



RAV4

Multimedia Manual



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For your information

Multimedia owner's manual

- This manual describes the operation of the multimedia system. Please read this manual and the separate "Owner's manual" carefully to ensure proper use.
- This manual describes the multimedia system with a built-in navigation function as the built-in navigation system, and the center connected navigation function as connected navigation. For details, refer to "Connected navigation" (→P.115).
- Please be aware that the content of this manual may be different from the system in some cases, such as due to software updates and changes to specifications.
- This manual contains information related to system software Ver.2001 and earlier. For the latest information, refer to the following URL. Before using this system, be sure to read the information relating to the latest software version. Refer to "Updating and checking the software information" (→P.61) for the software version of the multimedia system.

Depending on the country or area, the software update service may not be available.

► RAV4

- URL:

[https://www.toyota-europe.com/
manual?parameter=om9a578e.rav4.2210.cv.mm](https://www.toyota-europe.com/manual?parameter=om9a578e.rav4.2210.cv.mm)

- QR Code:



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- URL:

[https://www.toyota-europe.com/
manual?parameter=om9a578e.rav4.2210.hev.mm](https://www.toyota-europe.com/manual?parameter=om9a578e.rav4.2210.hev.mm)

- QR Code:



- The screens shown in this manual may differ from the actual screen of the system depending on availability of functions, subscription status, and map data available at the time this manual was produced.
- The company names and products listed in this manual are trademarks and/or registered trademarks of their respective companies.

Disclaimer about data compensation

This system saves data onto the internal memory. Data saved in the memory may become corrupted or lost due to system failure, repair, malfunction, bugs, or other causes. Please note that Toyota takes no responsibility whatsoever for direct and/or indirect damage, and offers no compensation for data if the data that was saved in the internal memory could not be saved properly.

Removal of the 12-volt battery

When the engine switch <power switch> is turned off, all data is saved in the system. If the 12-volt battery terminal is removed before the data is saved, the data may not be saved correctly.

Safety instructions

To use this system in the safest possible manner, follow all the safety tips shown below.

This system is intended to assist in reaching the destination and, if used properly, can do so. The driver is solely responsible for the safe operation of the vehicle and the safety of your passengers. Do not use any feature of this system to the extent it becomes a distraction

and prevents safe driving. The first priority while driving should always be the safe operation of the vehicle. While driving, be sure to observe all traffic regulations. If a traffic sign on the road has been changed, route guidance may not have the updated information such as the direction of a one way street.

While driving, listen to the voice instructions as much as possible and glance at the screen briefly and only when it is safe. However, do not totally rely on voice guidance. Use it just for reference. If the system cannot determine the current position correctly, there is a possibility of incorrect or delayed guidance, or no voice guidance at all.

The data in the system may occasionally be incomplete. Road conditions, including driving restrictions (no left turns, street closures, etc.) frequently change. Therefore, before following any instructions from the system, look to see whether the instruction can be done safely and legally.

This system cannot warn about such things as the safety of an area, condition of streets, and availability of emergency services. If unsure about the safety of an area, do not drive into it. Under no circumstances is this system a substitute for the driver's personal judgement.

**WARNING**

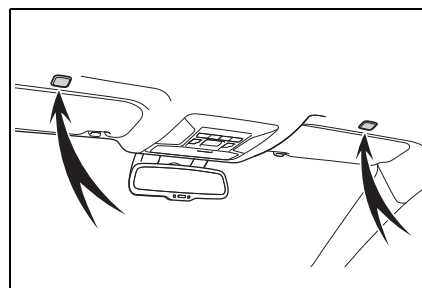
- For safety, the driver should not operate the system while he/she is driving. Insufficient attention to the road and traffic may cause an accident.
- While driving, be sure to obey the traffic regulations and maintain awareness of the road conditions.

Reading this manual

Explains symbols used in this manual.

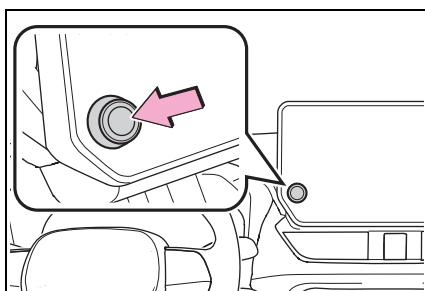
Symbols in this manual

Symbols	Meanings
	WARNING: Explains something that, if not obeyed, could cause death or serious injury to people.
	NOTICE: Explains something that, if not obeyed, could cause damage to or a malfunction in the vehicle or its equipment.
1 2 3...	Indicates operating or working procedures.



Symbols	Meanings
	Indicates the component or place being explained.

Symbols in illustrations



Symbols	Meanings
	Indicates the action (pushing, turning, etc.) used to operate buttons and other devices.

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1-3. Basic operation of audio system

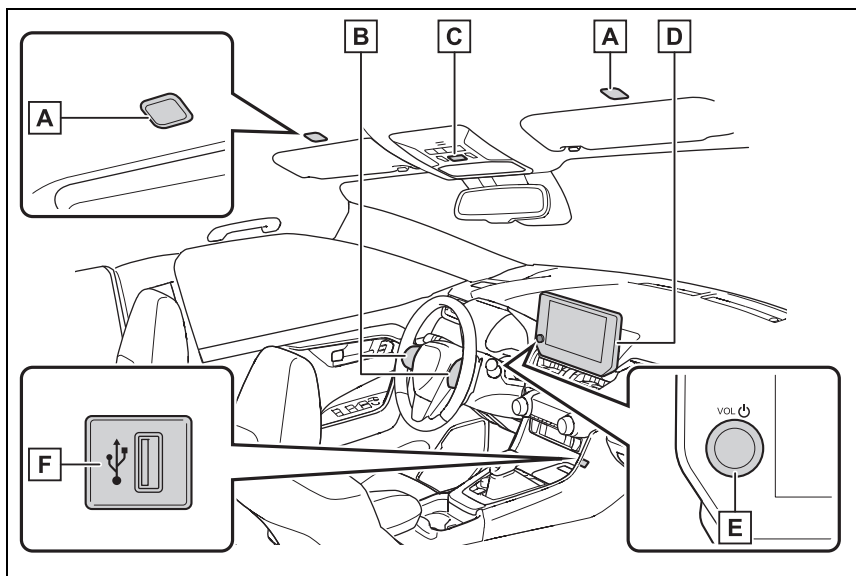
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Components overview

The below illustration is for a left-hand drive vehicle.



A Microphone (→P.33)

B Steering switches

Controlling audio (→P.29, 30)

Operating the system with voice control (→P.34)

Making a phone call (→P.171)

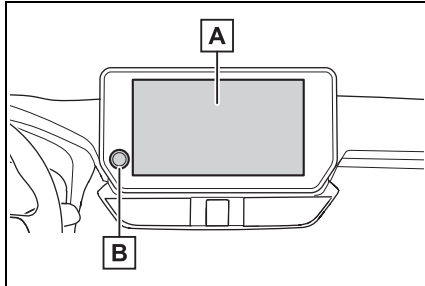
C SOS button*

D Display (→P.15)

E POWER/VOLUME knob (→P.29)

F USB port (→P.31)

*: Refer to the separate "Owner's manual"

Display and control**A Display**

Operate the touch screen by directly touching it.

B POWER/VOLUME knob

Turns the audio on/off and adjusts the volume.

- The LCD screen may appear washed out or dark depending on the surrounding environment or angle it is viewed.
- The screen may be difficult to see if sunlight or other external light hits the screen.
- The screen may appear dark or hard to see if you wear polarized sunglasses.

**WARNING**

- For safety, the driver should operate the display as little as possible while driving and should stop the vehicle to operate the display. Operating the display while driving is dangerous such as mistakenly turning the steering wheel or other unforeseen accidents. Additionally, look at the display only as necessary and as briefly as possible when driving the vehicle.

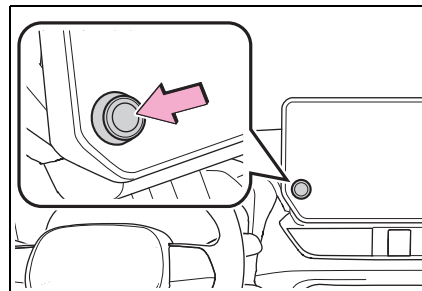
**NOTICE**

- Do not use the display for long periods of time with the engine <hybrid system> turned off. Doing so may deplete the battery.

Restarting the system

When the system response is extremely slow, you can restart the system.

- 1 Press and hold the POWER/VOLUME knob for at least 3 seconds.



Multimedia screen overview



A Main menu

Changes the function to be displayed on the screen when an icon is touched.
(→P.17)

B Microphone button

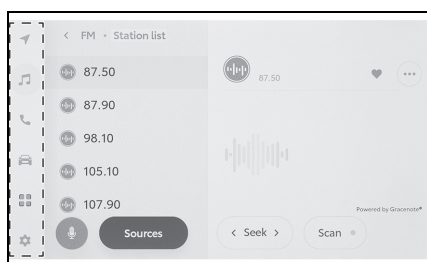
Displays the voice control screen enabling verbal operation of the navigation, audio and various other functions. (→P.34)

C Status icons

The clock and icons with information about communication statuses, etc. are displayed at the top of the screen. (→P.18)

Main menu

The function to be displayed on the screen can be changed by touching an icon.



[]: Apple CarPlay

Displays the Apple CarPlay screen. (→P.103, 105)

[]: Android Auto

Displays the Android Auto screen. (→P.108)

[]: Navigation

Displays the map screen. The navigation system can be operated to search for a destination or perform other navigation system-related tasks. *1 (→P.24, 118)

[]: Audio

Displays the audio control screen. The desired source can be selected to play audio. (→P.30, 140)

[]: Phone

Displays the phone screen. A cellu-

lar phone connected via Bluetooth® can be used to make hands-free phone calls. (→P.164)

[]: Vehicle information*2

Displays the vehicle information screen. Vehicle information such as fuel consumption can be displayed and vehicle equipment settings can be made.

[]: Connected

Displays the apps screen.

This function is not available in some countries. For details (service available countries list, operation, setup, etc.), contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

[]: Settings

Displays the settings screen. Multimedia system and vehicle settings can be changed. (→P.46)

*1: With built-in navigation system or when using Connected navigation

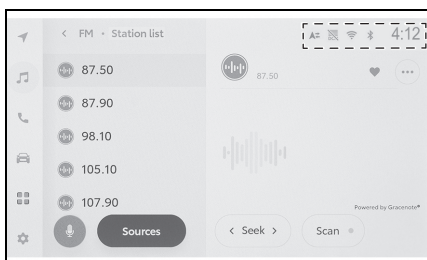
*2: Refer to the separate "Owner's manual".

● The Apple CarPlay/Android Auto icons are displayed when a supported device connects to the system and the applicable function is enabled.

● The navigation icon is displayed while a route guidance is performed via Apple CarPlay.

Status icons

The time and icons with information about communication statuses are displayed at the top of the screen.



[4:12]

Displays the current time. Touching the clock displays the date and time settings screen. (→P.53)



Displays the connection status of the cellular phone connected via Bluetooth®. Touching the icon displays the Bluetooth® settings screen. (→P.81)



Displays the reception level of the connected cellular phone.



Displays the remaining battery charge of the connected cellular phone.



Displays the status of sharing data with the Toyota Center Server.



Displays the reception status of the Data Communication Module (DCM).^{*1}



Displays the Wi-Fi® reception level.



Displayed when a hands-free call was made while a screen other than the phone screen was being displayed.



Displayed when the internet radio is playing.^{*2}

^{*1}: If equipped

^{*2}: This function is not available in some countries or areas.

● The displayed remaining battery charge for the cellular phone may not match the display on the cellular phone. Additionally, the remaining battery charge may not be able to be displayed depending on the phone model.

● You may not be able to use Wi-Fi® if the reception level is poor.

● If you use your cellular phone in places or situations like the following, you may not be able to connect via Bluetooth®:

- The cellular phone is behind or under a seat, or inside the glove box or console box

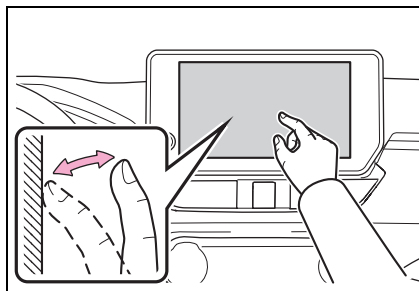
- The cellular phone is touching or covered with metallic materials
- If the cellular phone is set to power saving mode, the Bluetooth® connection may automatically be disconnected. If that happens, disable power saving mode on the cellular phone.

Operating the touch screen

Operate the touch screen by directly touching it with a finger.

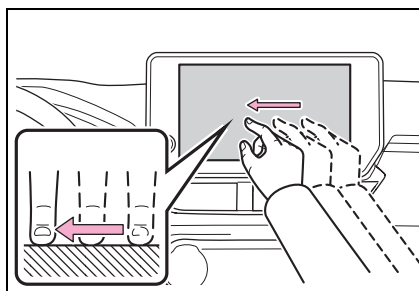
Touch

Gently touch the screen. You can select items on the screen.



Drag

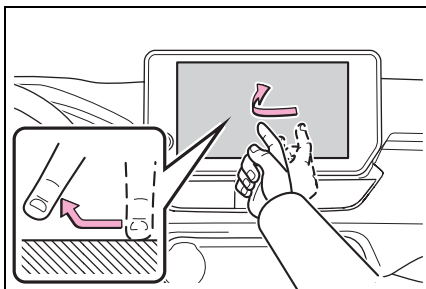
Move your finger while it is touching the screen. You can scroll on the list and map screens by the amount that your finger is moved.



Flick

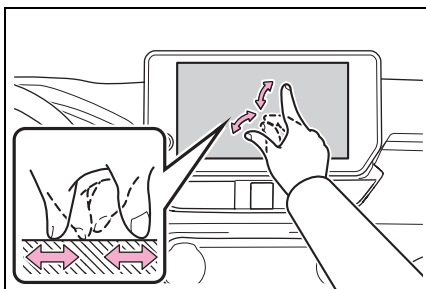
Quickly swipe your fingertip that

touches the screen. You can largely scroll on the list and map screens.



Pinch in/pinch out

Move two fingers in and out while touching the screen. You can zoom in and out on maps.



- In order to operate some functions, it may be necessary to touch and hold or double tap (touch 2 times quickly) the screen.
- The sensitivity level when touching the screen can be changed. (→P.53)
- Response sound when the screen button is touched can be turned on/off. (→P.53)
- Flick operations may not work smoothly in high altitude areas.
- Operation of the screen is restricted while driving.

Notes for operating the touch screen

- If there is no response from the buttons on the screen, take your finger off the screen and try again.
- In the following situations, the screen buttons may not respond or malfunction:
 - If a glove is worn
 - If the screen is operated with a fingernail
 - If the screen is being touched with another finger or palm at the same time
 - Dirt or water is on the screen
 - If a plastic film or coating is on the screen
 - If the vehicle is near a TV tower, power plant, filling station, broadcast station, large display, airport, or any other place from which strong radio waves or noise emanates
 - When you are carrying or charging a portable wireless communication device, such as a radio or cellular phone, in the vehicle
- If the screen is touched or covered with a metallic object like one of the following, the screen buttons may not respond or malfunction:
 - A card covered in metal such as aluminum foil
 - A cigarette case that uses aluminum foil
 - A wallet, purse, or bag with metallic parts
 - Coins
 - Media, such as CDs and DVDs, a USB cable, etc.
- If the system is started with a finger touching the screen, the screen buttons may not respond. Remove any fingers off the screen and try again. If the buttons are still not responding, turn off the engine switch <power switch> and restart the system.
- The Apple CarPlay map application does not support the pinch in/pinch

out feature.



NOTICE

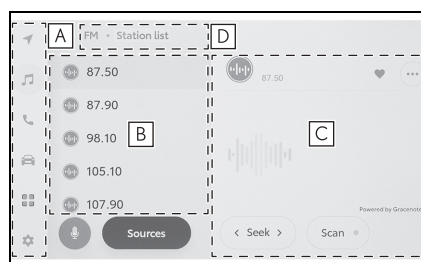
- To protect the screen, gently touch the screen with your finger when operating it.
- Do not operate the touch screen with anything other than your finger.
- Gently clean the screen with a glasses cleaning cloth or similar soft cloth. Touching the screen forcibly with your finger or a hard cloth may scratch the surface of the screen.
- Do not use benzine or an alkaline solution to clean the screen. Doing so may damage the screen.
- Under certain conditions, the screen may feel slightly hot. Be careful as if it is touched for a long time, it may cause slight burns.

Basic screen function

A list screen will be displayed if there are multiple candidates such as settings and audio. Scroll the list to select the desired item.

1

Basic operation



A Main menu

Changes the function to be displayed on the screen by touching an icon. (→P.17)

B Sub menu

Displays items on a list. Scrolling the list can be done by dragging or flicking the screen.

C Main area

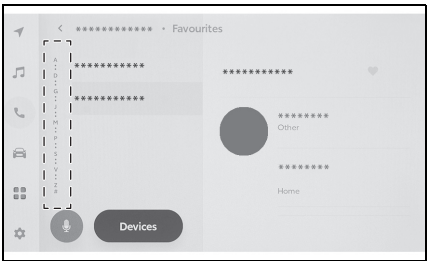
Displays detailed information about the item you selected on the sub menu.

D Breadcrumb list

Displays screen titles in a hierarchy. Touching [<] returns to the previous screen.

Searching a list

Touching text in an index displays the desired item from the list.

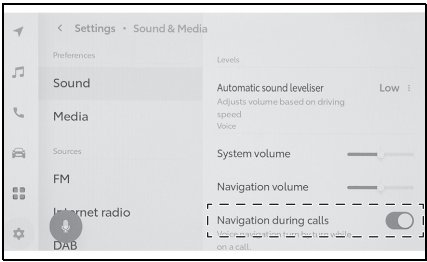
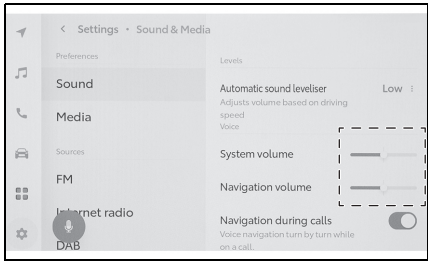


Turning the settings on or off

Touching an item turns the setting on or off.

Adjusting the level

Dragging the slider enables the level of the setting to be adjusted.

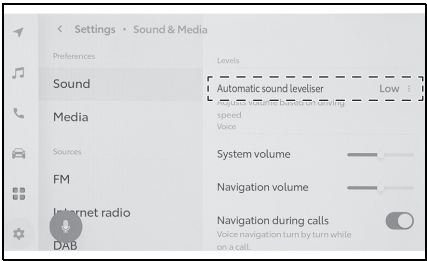


[]: On

[]: Off

Multiple setting options

Touching an item that has [] to it enables you to select an item from multiple options.



Entering letters and numbers

Letters and numbers can be entered by using the keyboard. Entering letters displays predictive text.

► Screen example



[<]/[X]: Closes the keyboard and returns to the previous screen.

[◀] [▶]: Moves the cursor.

[...]: Displays suggested text based on current text input.

[✕]: Deletes one character.

[🌐]: Switches the keyboard.

[↕]: Toggles between uppercase and lowercase.

[Go]: Perform search based on input text.

[📄]: Closes the keyboard.

[123]: Changes to the numbers and symbols input mode.

[ABC]: Changes to the alphabet text input mode.

[✍️]: Changes to the handwriting

input screen.

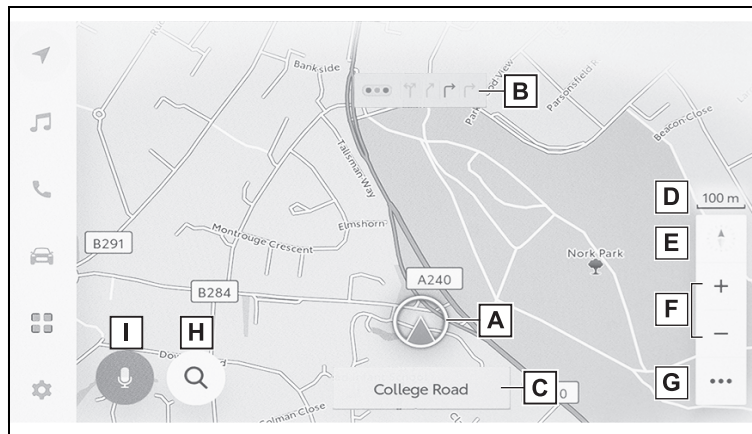
- The displayed keyboard type differs depending on the feature.
- Touch and hold [🌐] to directly select the keyboard type.
- Double tap [↕] to fix the letters to uppercase for input.

1

Basic operation

Map screen

Information displayed on the map screen and its purpose is as follows. Touch [📍] from the main menu.



A Current position mark (→P.26)

Displays current position and orientation of the vehicle.

B Lane information display

Displays the through and turning lanes at an intersection/junction. (Only available for intersections/junctions with information in the map data)

During route guidance, the suggested lane to drive in will be displayed in highlight.

C Name display

Names of roads being driven on will be displayed. (Only available for points with information in the map data)

D Scale display

Displays the scale of the displayed map.

E Orientation mark

Displays the orientation of the map. Touch to change the orientation of the map. For details about changing the orientation of the map, refer to (→P.27).

F Zoom in/out button (→P.26)

Zooms the map screen in/out.

G Display setting button (→P.119)

Displays the display setting screen and allows for changing of the nearby POI dis-

play settings, etc.

H Destination button (→P.123)

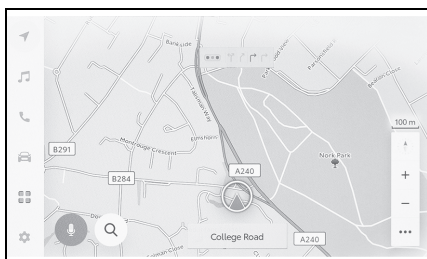
Displays the destination search screen.

I Microphone button (→P.33)

Displays the voice recognition screen.

Displaying the vehicle's current position

The current position of the vehicle is displayed by the current position mark [📍].



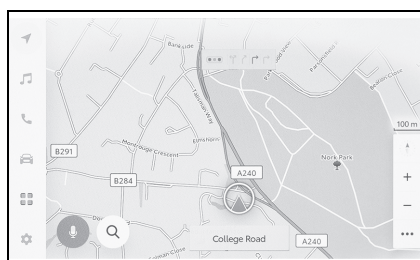
When the map screen has been scrolled, touch [📍] or [📍] from the main menu, to return the map to the vehicle's current position.

- In a new vehicle or after disconnecting and reconnecting the 12-volt battery terminal, the vehicle position mark [📍] may be displayed in a different position from the actual current location (the vehicle position mark [📍] has deviated). However, even if the vehicle position mark [📍] on the map has deviated, it will be corrected automatically to the current location using map matching and GPS information after driving for a while. (In some cases, this may take several minutes.) If GPS information is not used and the current location is not corrected automatically, stop the vehicle in a safe place and correct the current location.
- The shape of the current position mark [📍] differs depending on the map color.

Changing the scale of the map

The map screen can be zoomed in/out.

Touch [+] or [-] on the map screen.



- The scale can also be changed using double tap or pinch in/pinch out operations on the screen.
- Double tap zoom in: Touch the screen quickly 2 times
- Touch zoom out: Touch the screen with 2 fingers
- Touch and hold [+]/[-] to steplessly change the map scale.

City map

When the map is fully zoomed, a city map can be displayed.

With the map scale display at 50m, touch [+].

To cancel the city map, touch [-] or pinch in on the screen.

- If the current area is not included in

the map data, the city map will not be displayed.

- If the vehicle moves to or the map is scrolled to an area where the city map is not available, the city map will be canceled automatically.

Changing the orientation of the map

The orientation of the map can be fixed or changed to match the vehicle heading. Change the orientation as desired.

Each time [] on the map screen is touched, the orientation of the map screen will change between north up, heading up, and 3D display.

- North up display []

The map is always displayed with north up, regardless of the direction travel of the vehicle.

- Heading up display []

The map is always displayed with the direction of travel of the vehicle always up.

- 3D map []

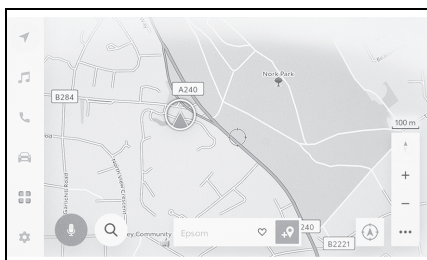
Displays a 3D map. When 3D map is selected, the map is displayed with the direction of travel of the vehicle always up.

- The display angle of the 3D map can be adjusted. (→P.65)
- When the orientation of the map is heading up or 3D map, if the map is changed to any screen other than the current position screen (destination setting map screen, full route map screen, etc.), the orientation will change to north up. However, it will return to heading up or 3D map when the current position screen is displayed.

Moving the map

The map can be moved and a touched point can be set as the center of the map screen.

- 1 Touch a point on the map.
- The center of the map screen will be moved to the touched point.



- The location or POI that the map was moved to can be set as a destination or registered as a favorite. Also, if information is available for the POI, it can be displayed. (→P.117)
- By touching [📍] after scrolling the map to any point, the point can be set as a new destination or waypoint.
- Touch [🏠] or [📍] to return to the vehicle's current position.
-
- The map can be scrolled by touching and dragging or flicking the screen. (→P.19)

**Audio system ON/OFF
and volume adjustment**

The audio can be turned off when not in use, or the volume can be adjusted to an appropriate level.

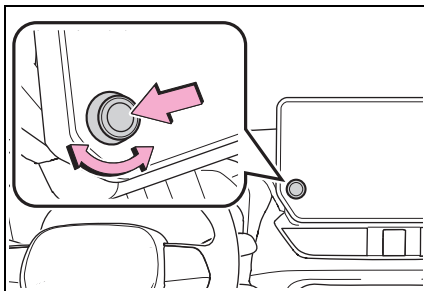
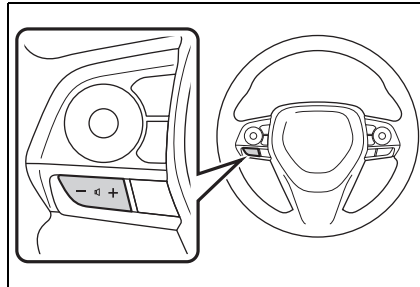
The system can be used while the engine switch <power switch> is in ACC or ON.

**NOTICE**

- Do not use the audio system for extended periods without the engine running <the hybrid system running>. Doing so may cause the 12-volt battery to run down.
- Listen to the audio at an appropriate volume that will not interfere with safe driving.

**Operating with the
POWER/VOLUME knob**

Turns audio on or off with each press. Turn to adjust the volume.

**Operating with the steering
switches****[+] switch**

Turns the volume up.

Press and hold to adjust continuously.

[-] switch

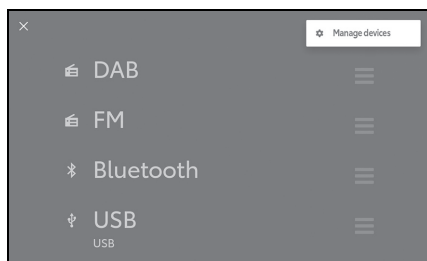
Turns the volume down.

Press and hold to adjust continuously.

Changing the audio source

Source can be changed to radio, USB, etc.

- 1 Touch [🎵] from the main menu.
- 2 Touch [Sources].
- 3 Touch the source you wish to select.

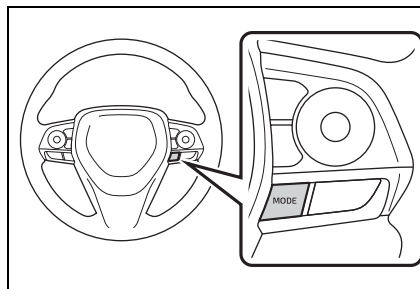


- If a cellular phone is used inside the vehicle or nearby while listening to audio, noise may be output from the audio speakers.
- The following functions cannot be used depending on the connection method for Apple CarPlay.
 - iPod
 - USB audio or USB video
 - Bluetooth® audio
 - Miracast®
 - Android Auto
- The following functions are not available while connected to Android Auto.
 - iPod
 - USB audio or USB video
 - Apple CarPlay

Changing the source with the steering switch

Changing the source with the steer-

ing switch is possible.



[MODE] switch

The sources will switch in order.

Press and hold to pause or mute.

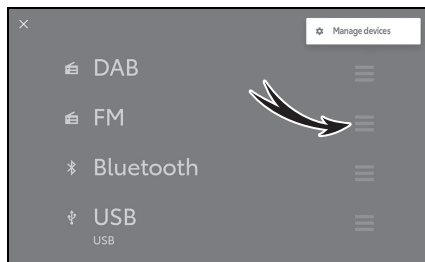
Press and hold again to cancel.

If you change the button layout on the source selection screen, the switching order will also change.

Changing the button layout on the source selection screen

The list layout can be changed as desired to make it easier to operate.

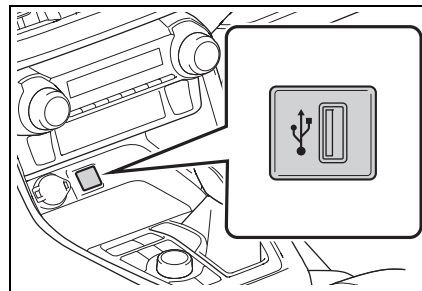
- 1 Touch [🎵] from the main menu.
- 2 Touch [Sources].
- 3 Change the list layout by dragging [☰] on the right side of the source to be relocated.



Connecting to the USB port

Connect a device such as smartphone or portable player.

- 1 Connect the USB cable to the port.



When connecting a USB flash drive, connect it directly to the USB port.

- Viewing may not be possible, depending on your device.
- When a USB hub is used to connect multiple devices, devices other than the first device to be recognized cannot be used.
- Refer to the instruction manual of the USB cable and the device to be connected.
- Use a power source such as the battery supplied with the connected device. Using the accessory socket installed in the vehicle may cause noise output. (Refer to the separate "Owner's manual" for details on the accessory socket.)



NOTICE

- Do not push down on or subject the connected device to unnecessary pressure. The device or its port may be damaged.

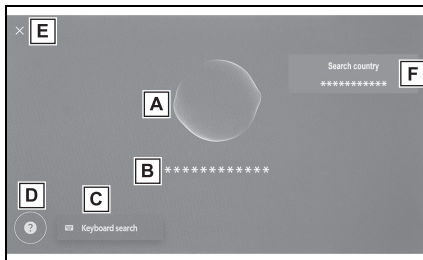
**NOTICE**

- Keep the port free of foreign matter.
The device or its port may be damaged.

Operating the system with voice control*

Various functions such as navigation, audio, and hands-free calls can be operated by voice using the voice control system. When Toyota Link* is used, information can also be searched using content on the cloud.

*: This function is not available in some countries or areas.



A Displays voice recognition status.



: Waiting for speech



: Listening



: Processing voice recognition

B Displays the response of the system and recognition results as text.

C Displays the keyboard screen.

Enables you to search for various information using a keyboard. (→P.39)

D Displays examples of voice

commands in a list.

You can check examples of speech frequently used in voice commands by feature.

E Closes the voice control screen.

F Displays a country name where POI or address is searched.*

*: With built-in navigation system or when using Connected navigation

● The connection status of Toyota Link* may be displayed on the screen.

[No online service]: No valid online service contract or a language was selected in which online services are not available.

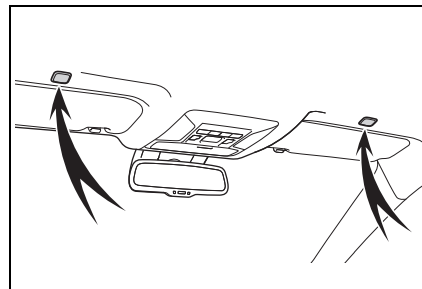
[No internet connection]: Not connected to the internet.

*: This function is not available in some countries or areas.

● The voice recognition screen will be displayed as a banner while driving.

Microphone

Microphones are installed on the driver's side and the passenger's side, respectively.



Supported languages

This function is compatible with the following languages:

■ Europe

- Local voice recognition support: English, German, French, Spanish, Italian, Russian, Dutch, Portuguese, Polish, Flemish, Swedish, Turkish, Czech, Norwegian, Danish, Finnish, Greek, Slovak, Hungarian

- Cloud voice recognition support: English, German, French, Spanish, Italian, Russian, Dutch, Portuguese, Polish, Flemish, Swedish, Turkish, Czech, Norwegian, Danish

■ Russia

Local voice recognition support: English, German, French, Spanish, Italian, Russian, Dutch, Portuguese, Polish, Flemish, Swedish, Turkish, Czech, Norwegian, Danish, Finnish, Greek, Slovak, Hungarian

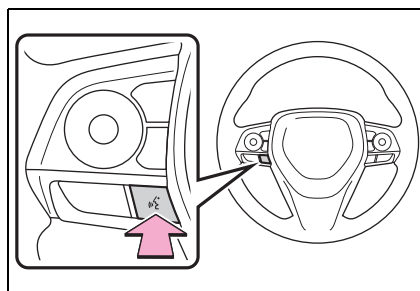
Starting voice control*

*: This function is not available in some countries or areas.

Voice control can be started by any of the following operations:

Press the talk switch

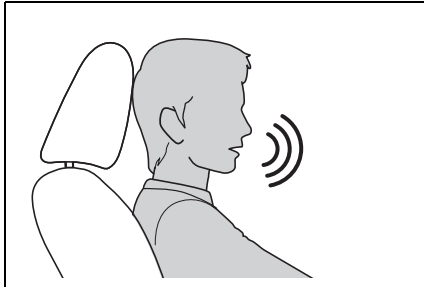
- 1 Press the [] switch (talk switch) on the steering.



Say the wake word

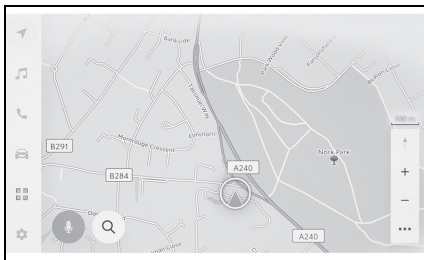
- 1 Say "Hey, Toyota".
- The wake word can be changed on the settings screen. (→P.57)
 - The wake word can be used and then immediately issue a voice command.

Example: "Hey, Toyota" "Go to nearby coffee shop"



Touch the microphone button

- 1 Touch [🗣️] on the screen.



- Voice controls can be performed from the driver seat or passenger seat by activating the voice control system with wake word. In this case, voice commands from seats other than the seat from which the system was activated are not recognized.
- Some features are not available for voice control from passenger seat.
- If the voice control system was activated by the talk switch or microphone button, voice controls can be performed only from the driver's seat.
- The voice control system may not recognize commands if they are not said clearly. Take note of the following points when using it:
 - Speak in a clear voice.
 - Close the window as commands may not be recognized properly due to noise (wind noise or external noise).
 - If the air conditioner blows loudly,

commands may not be recognized properly, so reduce the fan speed.

- If music is being played loudly while a command is issued, that command may not be recognized, so lower the music volume.
- Commands may not be recognized if several people speak at once.
- You can interrupt the voice prompt by saying a voice command.
- You can turn voice prompt on or off on the voice control settings screen. (→P.57)
- You can adjust the system voice volume on the sound and media setting screen. (→P.74)

Stopping voice control

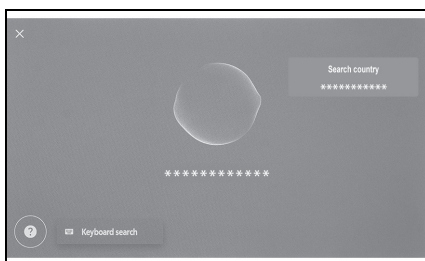
Voice control can be ended by any of the following operations:

- Say "Cancel".
- Touch [X] on the voice recognition screen.
- Press and hold the talk switch on the steering.

Speaking a voice command*

*: This function is not available in some countries or areas.

Say a voice command when the voice control screen appears. The system can recognize natural speech.



- Commands may not be recognized if said with an accent or non-standard phrasing.
- If the voice control system does not recognize aliases or abbreviations when searching for place names and facilities, say the official name.
- Speaking by including what you want to do, makes it easier for the voice control system to recognize your command. For example, when searching for a destination by name, do not say only the name. Instead, say a phrase which includes a name and a verb, such as "Go to nearby coffee shop".

List of features

This is a list of the main features that can be operated verbally and example voice commands.

The available features differ depending on the vehicle and equipped system.

Common commands

Action	Example voice command
Start from the beginning	"Start over"
Stop voice control	"Cancel"
Open hints for voice commands	"Help"
Return to the previous screen	"Go back"
Select a list number	"Number one"
Change the list page	"Next page" "Previous page"

Destination search*

The destination can be set using the locations address, facility name or category.

Action	Example voice command
Search for a facility	"Find a <POI category/POI name>" "Go to nearby coffee shop"
Search for an address	"Get directions to <address>"
Return to your home	"Take me home"

*: If equipped

Navigation operation*

The map can be operated and destination can be deleted.

Action	Example voice command
Change the map type	"Change map to 3D"
Changing the map scale	"Zooming in" "Zooming out"
Display the map screen	"Show map"
Check the route information	"What's my ETA?"
Delete the destination	"Delete destination"
Displays the destination history	"Show recent destinations"

*: If equipped

■ Audio operation

Audio operations, such as radio, USB memory, Bluetooth® audio, can be performed.

Artist names, album names, song names which are registered to the media can be specified.

Radio station names can also be specified.

Action	Example voice command
Adjust the volume	"Volume up" "Volume down"
Mute the volume	"Mute audio"
Play next/previous song	"Next song" "Previous song"
Specify a song to play *	"Play <artist>" "Play <album>" "Play <song>"

Action	Example voice command
Select a radio station	"Tune to <FM frequency>" "Tune to <FM station name>"
Change the audio source	"Change to <audio source>"

*: You can play music stored on a device connected via USB.

■ Hands-free phone operation *1

Phone calls can be made with a Bluetooth® cellular phone connected to the vehicle.

The name and phone type, which are registered in the contacts, can be specified and from there the phone number can be called.

Action	Example voice command
Make a phone call to a contact in your phone book	"Call <contacts>"
Make a phone call to a phone number	"Call <phone number>"
Display the call history	"Show recent calls"
Send a message *2	"Send message to <contact name>"
Read out a message	"Read message"
Display the Bluetooth® connection screen	"Show Bluetooth Settings"

*1: Operation only possible from driver's seat.

*2: The new message function is available only for SMS. The reply to message function is available for SMS and MMS.

■ Information search service^{*1, 2}

Using online service and searching information can be done.

Action	Example voice command
Check the weather information	"Tell me the weather today"

*1: If equipped

*2: Toyota Link contract is required.

■ Climate control

Air conditioner temperature and fan speed can be operated.

Action	Example voice command
Turn the air conditioning on or off	"Turn on the air conditioner" "Turn off the air conditioner"
Adjust the air conditioner temperature	"Turn up the temperature" "Turn down the temperature" "Set the temperature to 25 degrees"
Adjust the air conditioner fan speed	"Turn the fan speed up" "Turn the fan speed down" "Set the fan speed to 3"

■ Vehicle information

Information, such as fuel consumption and cruising range can be checked.

Action	Example voice command
Check the fuel economy	"What's my fuel consumption?"
Check the cruising range	"What's my cruising range?"
Check the average speed	"What's my average speed?"

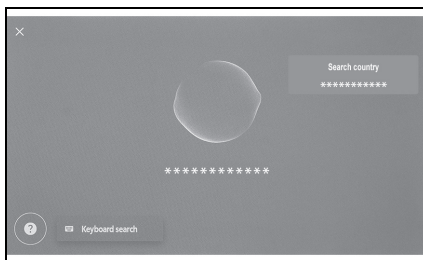
■ Verbal response to displayed notifications

Verbal responses can be made to incoming phone calls and receiving messages. Settings related to verbal responses can be changed on the voice settings screen. (→P.57)

Searching for information using the keyboard

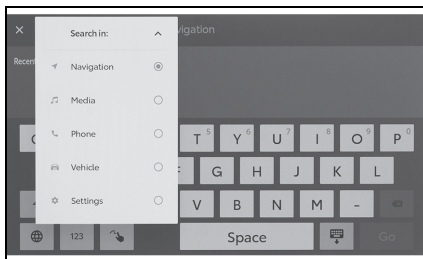
Various information can be searched by using the keyboard.

- 1 Touch .



If search history exists, the history screen will appear, enabling you to select from the history.

- 2 Select the category that you want to search.



[Navigation]: Enter an address, facility name, phone number, area, road name, intersection, POI category, etc.

[Media]: Enter an album, artist, song name, playlist, genre, radio station, etc.

[Phone]: Enter a name, phone number, or something else registered in the phone book.

[Vehicle]: Enter fuel consumption or other vehicle information that you want to display.

[Settings]: Enter the setting that you want to configure, such as audio,

phone, and navigation.

- 3 Enter the search keyword and touch [Go].



- 4 When the list of search results is displayed, touch the desired item.

- Operation of the screen is restricted while the vehicle is moving.
- Search is not available when you are connected to Apple CarPlay/Android Auto.

1

Basic operation

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Registering a driver*

*: This function is not available in some countries or areas.

Register a driver for the main user as the initial setup for the multimedia system.

By registering a driver, you can save the multimedia settings as the my settings for each driver. You can drive the vehicle without having to change the settings of other drivers in the case that multiple drivers, such as your friends and family, drive the vehicle.

You can drive the vehicle in guest mode if you do not want to use the my settings.

My settings

Multimedia settings for each driver can be saved and the applicable driver can load them when driving the vehicle.

- Up to 3 my settings can be registered.
- The following setting information can be saved in the my settings:
 - Some multimedia settings: Volume, navigation, audio, etc. (These settings are saved in the cloud.)
- Settings are automatically saved to the current my settings when they are changed.
- Search history, individual settings, and other private information can be protected by setting up the my settings.
- By registering a smartphone to identify the driver, my settings will be automatically loaded. (→P.51)

■ Linking to a Toyota account*

- An active Toyota account is required to use the my settings.
- If your Toyota account is linked to the Toyota app, your profile can be downloaded from the cloud when driving any vehicle which has a valid Toyota Link service contract and equipped with the same model of multimedia system.
- The registered my settings can be reviewed and changed on the Toyota app.
- The driver who is registered as the owner can delete all drivers registered in the vehicle. Drivers who are not the vehicle owner cannot delete the owner's my settings.
- The same my settings cannot be used in another vehicle at the same time.
- Changing some multimedia settings automatically updates the my settings saved in the cloud and a screen notifying the driver that the profile has been updated appears.
- Some multimedia settings are

saved in the cloud, so even if a driver is deleted in the vehicle, the settings are not deleted from the cloud.

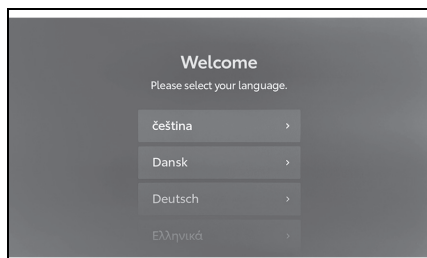
*: This function is not available in some countries or areas.

Registering a driver for the first time (Type A)

An active Toyota account is required to use the my settings.

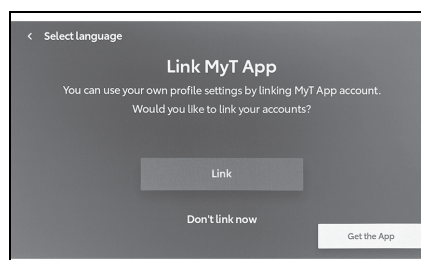
- 1 After the engine switch <power switch> is turned on, the language selection screen will be displayed. Touch the desired language.

Select the display language when registering the driver. After completing the driver registration, the system language will return to the default language.



- 2 To use the Toyota app on a smartphone to register a driver, touch [Link].
- If you have not installed the Toyota app, touch [Get the App] and download it using the QR code on the screen.
- If you do not want to register a driver, touch [Don't link now]. If you touch [Do not show setup

again], the driver registration screen will no longer be displayed.



- 3 Open the Toyota app on a smartphone, follow the instructions on the screen and scan the QR code, or enter the verification code to register a driver.
- 4 Touch [I've completed App setup].

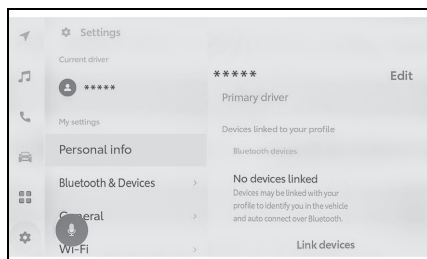
Once registration is complete, a message is displayed and my settings is saved.

- 5 After registering my settings, register a device in order to identify the driver. To continue with setup, touch [Continue].

You can also register a device at a later time.

- 6 Register a device on the driver setup screen. By registering a device to identify the driver, my settings will be automatically loaded. (→P.51)
- You can register a smartphone in

my settings.



- If the my settings was not registered, registration can be restarted on the driver list screen.

Registering a driver for the first time (Type B)

- 1 After start the vehicle, the language selection screen will be displayed. Touch the desired language.

Select the display language when registering the driver. After completing the driver registration, the system language will return to the default language.

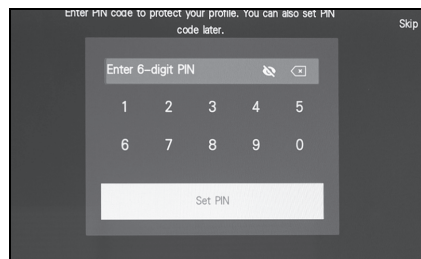
This screen may not be displayed in some countries or areas.

- 2 To register a driver, touch [Create]

If you do not want to register a driver, touch [Don't create now]. If you touch [Do not show setup again], the driver registration screen will no longer be displayed.

- 3 Enter a driver name.

- 4 Enter the desired PIN code.



- PIN codes are set to protect driver privacy.
 - To register a profile without setting a PIN code, touch [Skip]
- 5 Re-enter the PIN code to register the driver.

When registration is complete, a message will appear and the my settings will be saved.

- 6 After registering your driver, register a device in order to identify the driver. To continue with setup, touch [Continue]

You can also register a device at a later time.

- 7 Devices are registered from the driver list screen. The my settings can be loaded automatically by registering a device to identify the driver. (→P.51)

- You can register a smartphone in my settings.

Automatically loading the my settings

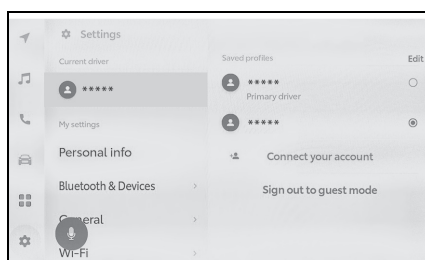
Taking a smartphone in the vehicle to identify the driver enables the my settings to be automatically loaded.

- The vehicle detects the device registered in the my settings when the engine switch <power switch> is turned to ACC or ON. When a registered device is detected, the my settings that the device is assigned to is automatically loaded.
 - If the device registered in the my settings is not detected, the vehicle is used in guest driver mode.
 - Touching [Settings] displays the driver list screen enabling you to change the my settings. (→P.48)
 - You can use a smartphone as the device to identify the driver. (→P.51)
- not be required if the Bluetooth® device, which is linked to the selected profile, is connected to the system.
- Enter the password set on the Toyota app when the Toyota account was created.
 - Once the my settings has changed, a message is displayed on the screen.
-
- If the system detects a device set to a different my settings, a pop-up message will appear. Touching [✓] will enable the my settings to be changed.

Changing the my settings

You can select the my settings that you want to use on the my settings list registered on the vehicle.

- 1 Touch [⚙️] from the main menu.
- 2 From “Saved profiles”, select the driver name that you want to change to.

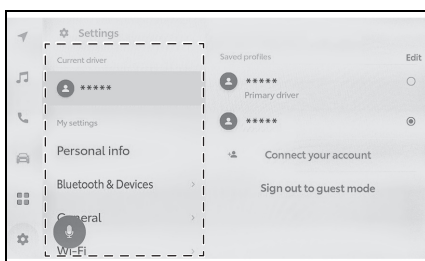


- 3 Enter the PIN code or password.
- The PIN code or password may

Changing the various settings

The various settings related to the multimedia system can be changed.

- 1 Touch [⚙️] from the main menu.
- 2 Select the desired item.



Setting	Description
"Current driver"	
 (driver name or vehicle name)  [Guest]	Displays the name of the current driver. Touching the driver name enables to switch or register my settings. (→P.48)
"My settings"	
[Personal info]	Register a device to identify the driver. (→P.51)
[Bluetooth & Devices]	Register or edit a Bluetooth® device. (→P.81)

Setting	Description
[General]	Change the clock settings, display language, and other general multimedia settings. (→P.53)
[Wi-Fi]	Configure Wi-Fi® settings and other advanced settings. (→P.79)
[Display]	Adjust the screen contrast and brightness, etc. (→P.55)
[Sound & Media]	Change the system voice volume and audio source settings. (→P.74)
[Navigation]	Change settings related to map display and route guidance. (→P.64)
[Voice & Search]*1	Change settings related to the voice recognition feature. (→P.57)
"Vehicle"	
[Vehicle customise]	Change settings related to vehicle devices.*2
[Dealer info]*1	Register and delete dealer information. (→P.58)

Setting	Description
[Info & Security]	Change settings related to security and privacy. (→P.59)
[Software update]	Check and update software information. (→P.61)

*1: This function is not made available in some countries or areas.

*2: Refer to the separate “Owner’s manual”.

-
- For safety purposes, there are functions that cannot be operated while the vehicle is moving.

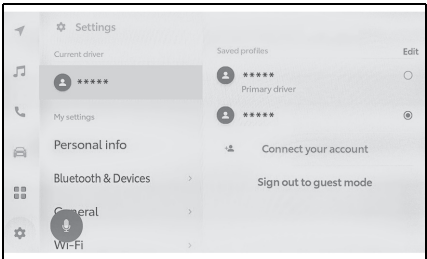
Changing and registering a driver*

*: This function is not available in some countries or areas.

The driver can be registered or changed. By registering a driver, multimedia settings can be saved as the my settings for each driver.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [👤](driver name or vehicle name) or [👤] [Guest] on the sub menu.
- 3 Select the desired item.

Setting	Description
“Saved profiles”	The drivers registered on the vehicle are displayed in a list. The my settings can be switched by touching the desired profile and enter the password. Touching [Edit] enables you to delete a registered driver.*



Setting	Description
[] [Connect your account]/[Create profile]	Register a new driver. Some multimedia settings saved in the cloud will be loaded.
[Sign out to guest mode]	Change to the guest driver. By using the guest driver, personal settings can be adjusted and not saved to another my settings. When handing your vehicle off to another person, touching [Sign out to guest mode] will hide the personal information of the connected device. This can be used to protect private information, such as the search history or personal settings. Values of the my settings other than search history and personal settings will be carried over to the my setting of the guest.

* : Not displayed in guest mode

- For safety purposes, these settings cannot be operated while the vehicle is moving.

Creating a new driver (Type A)

- 1 Touch [] from the main menu.
 - 2 Touch [](driver name or vehicle name) or [] [Guest] on the sub menu.
 - 3 To use the Toyota app on a smartphone to register a driver, touch [Connect your account].
 - 4 Touch [Link].
 - If you have not installed the Toyota app, touch [Get the App] and download it using the QR code on the screen.
 - If you do not want to register a driver, touch [Don't link now]. If you touch [Do not show setup again], the driver registration screen will no longer be displayed.
 - 5 Open the Toyota app on a smartphone, follow the instructions on the screen and scan the QR code, or enter the verification code to register a driver.
 - 6 Touch [I've completed App setup].
- Once registration is complete, a message is displayed and your my settings is saved.
- 7 After registering your driver, register a device in order to identify the driver. To continue with setup, touch [Continue].

2

Settings and registration

You can also register a device at a later time.

- 8 Register a device on the driver setup screen. By registering a device to identify the driver, my settings will be automatically loaded.

settings will be automatically loaded.

Creating a new driver (Type B)

- 1 Touch [⚙️] on the main menu.
- 2 Touch [👤] (Driver name or vehicle name) or [👤] [Guest] on the sub menu.
- 3 Touch [➕👤] [Create profile]
- 4 Enter the driver name.
- 5 Enter the desired PIN code.
 - Set a PIN code to protect the privacy of the my settings.
 - To register a driver without setting a PIN code, touch [Skip]
- 6 Reenter your PIN code to register driver.

Once registration is complete, a message is displayed and my settings is saved.

- 7 After registering my settings, register a device in order to identify the driver. To continue with setup, touch [Continue]

You can also register a device at a later time.

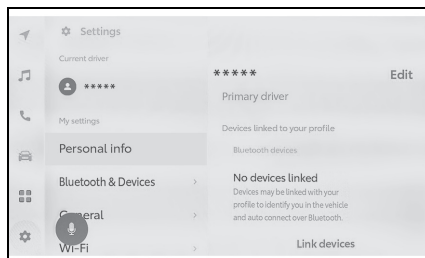
- 8 Register a device on the driver setup screen. By registering a device to identify the driver, my

Setting up how to identify a driver*

*: This function is not available in some countries or areas.

Set a device in order to identify a driver. When the engine switch <power switch> is turned to ACC or ON and a registered smartphone is detected, the my settings that the device is assigned to is automatically loaded.

- 1 Touch [] from the main menu.
- 2 Touch [Personal info] on the sub menu.
- 3 Select the desired item.



► Type A

Setting	Description
"Profile Name"	The name of the driver is displayed. Touch [Edit] to change the driver name.
"Devices linked to your profile"	

Setting	Description
[Bluetooth devices]	Driver identification is performed using a smartphone or other Bluetooth® device and the applicable profile is loaded. Touch [Link devices] to register. (→P.95)
[Reset settings]	Some multimedia settings of the selected my settings will be deleted.
"Delete driver"	The registration for the selected my settings will be deleted. Deleting the my settings registered for the owner will delete all my settings registered in the vehicle.

*: Not displayed in guest mode

► Type B

Setting	Description
"Profile Name"	The name of the driver is displayed. Touch [Edit] to change the driver name.
"Devices linked to your profile"	

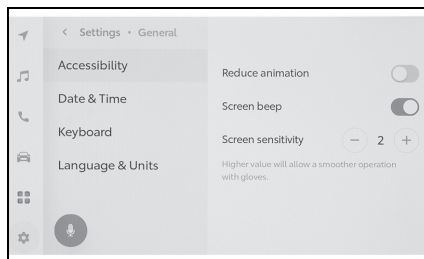
Setting	Description
"PIN"	Identifies the driver using their PIN code and loads the my settings. Touch [Set new PIN] to register.
"Bluetooth devices"	Driver identification is performed using a smart-phone or other Bluetooth® device and the applicable my settings is loaded. Touch [Link devices] to register. (→P.95)
[Reset settings]	Some multimedia settings of the selected my settings will be deleted.
[Delete driver]	Deletes the registration for the selected my settings.

* : Not displayed in guest mode

Changing general multi-media system settings

The time settings, display language, and other general multi-media system settings can be changed.

- 1 Touch [⚙] from the main menu.
- 2 Touch [General] on the sub menu.
- 3 Select the desired item.



● [Accessibility]

Setting	Description
[Reduce animation]	Reduce the animations displayed when changing screens.
[Screen beep]	Turn the sound that is made when you touch the screen on or off.
[Screen sensitivity]	Adjust the screen touch sensitivity.

● [Date & time]

Setting	Description
[Set automatically]	Use GPS information and map data to automatically set the time. Turning this setting off will enable you to set the time and time zone manually.
"Time"	
[24-hour time]	Change between 24-hour and 12-hour time display.
[Time zone]	When [Set automatically] is turned off, you can set the time zone.
[Daylight savings]	When [Set automatically] is turned off, you can set summer time to [Auto], [On], or [Off].
[Set time automatically]	When [Set automatically] is turned off, you can decide whether to set the time automatically using GPS. Turning this setting off will enable you to set the time manually.
[Set time manually]	When [Set time automatically] is turned off, you can manually set the time.

Setting	Description
"Date"	
[Format]	Change the date display format. (MM/DD/YYYY, DD/MM/YYYY, YYYY/MM/DD, etc.)

- [Keyboard]

Setting	Description
"History"	
[Memorise keyboard]	Enable the system to learn the keyboard input results.
[Delete keyboard history]	Delete the keyboard text learning history.
[Delete search history]	Delete the keyboard search history.

- [Language & Units]

Setting	Description
[Language]	Change languages. Both the language displayed on the screen and system voice language change.
[System language]	Change the language displayed on the screen.
[Voice language]	Change the system voice language.
"Measurements"	

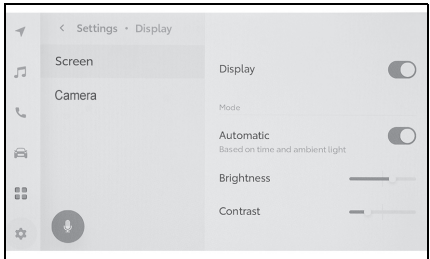
Setting	Description
[Set automatically]	Automatically sets the display units for distance, fuel economy, and so on based on the country information.
[Trip info. unit]	When [Set automatically] is turned off, you can manually set the fuel economy display unit.

- Even if you change the language settings, not all the displayed content and voice guidance will change to the selected language. Additionally, some guidance will no longer function after you change the language.
- Set the Apple CarPlay/Android Auto language using the connected device.

Changing the screen display settings

The screen contrast and brightness can be adjusted.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Display] on the sub menu.
- 3 Select the desired item.



● [Screen]

Setting	Description
[Display]	Set whether to turn the screen display on or off. If the screen is turned off, nothing will be displayed on the screen and only audio will be played. To display the screen again, touch the screen and touch the button in the center of the screen.
"Mode"	

Setting	Description
[Automatic]	The screen can automatically be changed between daytime mode and nighttime mode when the headlights illuminate or turn off.
[Daytime (light)]	When [Automatic] is turned off, the screen can be changed to daytime mode manually.
[Nighttime (dark)]	When [Automatic] is turned off, the screen can be changed to nighttime mode manually.
[Brightness]	Adjust the screen brightness.
[Contrast]	Adjust the strength of the screen contrast.

● [Camera]

Setting	Description
"Camera screen"	
[Brightness]	Adjust the camera screen brightness.
[Contrast]	Adjust the strength of the camera screen contrast.

● For details of how to adjust the audio image quality, see "Adjusting the image quality" (→P.78).

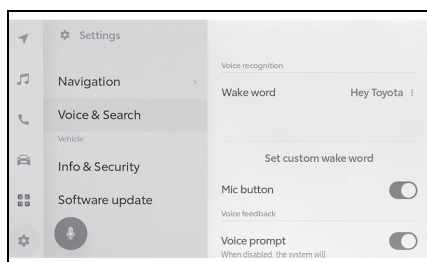
- Even if the screen is turned off, the GPS will continue to track the vehicle's current location.
- Screen
 - When the screen is off, if it is touched, the unlock button will be displayed. If the button is not operated for 3 seconds, the screen will turn off again.
 - If the screen is touched anywhere other than the center button, the screen will turn off again.
 - While the screen is off, the screen may be displayed temporarily in cases such as pressing the [] switch on the steering or when the camera screen is displayed after shifting the shift lever to "R". Once such a screen is closed, the screen will turn off again.

Changing the voice control settings*

*: This function is not available in some countries or areas.

The settings related to the voice recognition feature can be changed.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Voice & Search] on the sub menu.
- 3 Select the desired item.

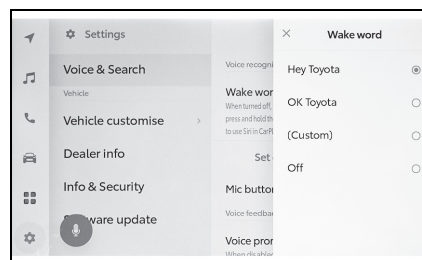


Setting	Description
"Voice recognition"	
[Wake word]	Change the wake word that starts voice control. (→P.57)
[Set custom wake word]	Set the wake word that starts voice control to any word.
[Mic button]	Show or hide [🎤] on the screen.
"Voice feedback"	

Setting	Description
[Voice prompt]	Turn the voice prompts on or off.
"Notification"	
[Voice support]	You can respond verbally to an incoming phone call and receiving messages.

Changing the wake word to start the voice control system

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Voice & Search] on the sub menu.
- 3 Touch [Wake word].
- 4 Select the desired wake word from the list.



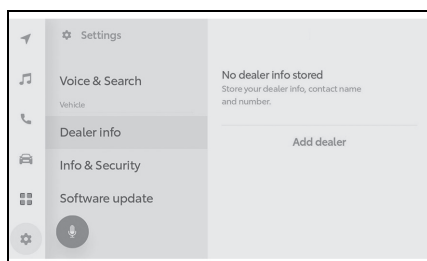
- If you want to set a custom word, touch [Set custom wake word] and enter your desired word using the keyboard beforehand.
- If the wake word is too short, the voice command system will be unable to recognize it. Please set a wake word with more than 3 syllables.

Setting dealer information*

*: This function is not available in some countries or areas.

You can register and delete dealer information. Registering the information of the dealer at which you get your vehicle serviced enables you to contact the dealer from the settings screen when you want to reserve a service.

- 1 Touch [] from the main menu.
- 2 Touch [Dealer info] on the sub menu.
- 3 Select the desired item.



Setting	Description
[Contact]	Displays the stored contact name. Touching [] enables to change the information.
[Phone]	Displays the stored phone number. Touching [] enables to change the information.
[Delete dealer]	Deletes the dealer information.

Setting	Description
[Add dealer]	Registers the preferred dealer, contact name and phone number.
[(Dealer name)]	Displays the stored dealer name. Touching [] enables to change the information.

Changing the security settings

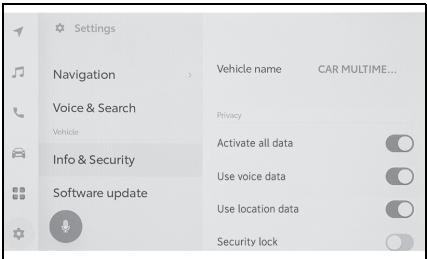
Settings related to security and privacy can be changed.

- 1

Touch [⚙️] from the main menu.
- 2

Touch [Info & Security] on the sub menu.
- 3

Select the desired item.



Setting	Description
[Vehicle name]	Displays the system name (vehicle name). This is the device name displayed when searching for a Bluetooth® device from an external device. The name can be changed by touching it.
"Privacy"	

Setting	Description
[Activate all data]*	Set whether to use the communication service. Turning this setting off will disable some services that use network communication.
[Use voice data]*	Set whether to send voice information when using the communication service. Turning this setting off will disable some services that use voice information.
[Use location data]	Set whether to send location information when using the communication service. Turning this setting off will disable some services that use location information.
[Security lock]	Enable the password-protected security lock to protect personal information. When set ON, entering the password will be required when the 12-volt battery is replaced or the multimedia system is removed from the vehicle.

Setting	Description
[Reset security lock password]	Reset the set security lock password.
[Remote security]*	The operating status of Remote security is displayed.
[System reset]	Reset all of the system's data and restore the settings to the factory defaults.

*: This function is not available in some countries or areas.

- Communication may be cut off after resetting the system. In that case, restart the system.
- After initializing all the information, all the data in the multimedia system will be initialized and returned to the factory default. It cannot be returned to the state before initialization.

Setting up the security lock

- 1 Touch [] from the main menu.
- 2 Touch [Info & Security] on the sub menu.
- 3 Touch [Security lock].
- 4 Touch [OK].
- 5 Set a password that contains between 4 and 15 alphanumeric characters.
- 6 Reenter your password.

A message will appear and the security lock is enabled.

- After a password is set, if the system is reset after the 12-volt battery is replaced or the multimedia system is removed from the vehicle, a password to operate the multimedia system needs to be entered. Enter the password that you set. (→P.15)
- If the password is entered incorrectly a certain number of times, access to enter a password will no longer be granted. If that happens, ask your dealer to unlock the system.
- To ensure security, do not repeatedly use the same password or a word that can be found in the dictionary when setting a password.

Updating and checking the software information

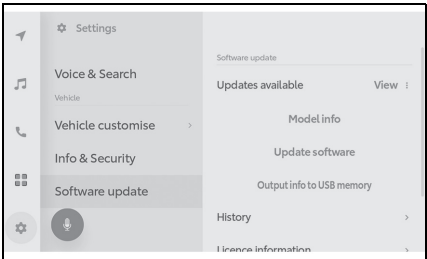
Check and update software information. The software is updated for the purpose of improving multimedia system functions and operations for more smoother usability.

- 1

Touch [] from the main menu.
- 2

Touch [Software update] on the sub menu.
- 3

Select the desired item.



Setting	Description
“Software update”	
[Updates available]*	Touch [View] to check software update information. After checking whether there is an update available and the content of the update, the updated data can be downloaded and software update can be installed. If there is no updated data available, [No updates available] will be displayed.
[Model info]	Check the current software version etc.
[Update software]*	Updating the software. This will not be displayed if there is no update data available.
[History]*	Check software update history. This setting will not be displayed if there is no update history.

Setting	Description
[License information]	Check the software license information.
[Update notification]*	Touch to turn on/off the notification when an update is available.

*: This function is not available in some countries or areas.

Updating the software*

*: This function is not available in some countries or areas.

Use one of the following methods to update the software:

- Update the software using Data Communication Module (DCM)
- Update the software using Wi-Fi®

- Map data cannot be updated using this service.
- Some operations cannot be performed while the software is updating.
- If you have any questions, contact any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.



NOTICE

- Update the software at your own risk.
- The software cannot be restored to the previous version once the software has been updated.

- The update software can only be used on this system. It cannot be used on any other device.
- Depending on the content of the software update, some settings may be reset. If that happens, reconfigure the applicable settings after the software has been updated.
- Although basic functions are possible during the software update, operation may be slow. If possible, do not operate the system.
- After the software is updated, the Toyota Motor Corporation distribution server will be automatically notified that the update has completed. Note that Toyota Motor Corporation does not use the information it receives for any purpose other than software updates. You may also be charged for communication fees depending on your subscription.

Updating the software using DCM or Wi-Fi®

This system regularly accesses the distribution server to check for software updates.

- 1 Touch the button in the software update notification.
 - 2 Follow the on-screen instructions to check and agree to the update content and terms.
- Downloading of the update data will start. Once the data has been downloaded, installation will begin.
 - The time required for download and installation may increase

depending on the communications environment. If you turn off the engine switch <power switch> while the software is installing, installation will resume the next time the vehicle is started.

- Once the update is complete, a message is displayed on the screen.
- If the system needs to be restarted, a message will appear. Touching [Yes] restarts the system.
- To check the software update history, touch [History] on the software update history screen.

■ Manually updating the software

- 1 Touch [] from the main menu.
 - 2 Touch [Software update] on the sub menu.
 - 3 Touch [View] of “Updates available”.
 - 4 Follow the on-screen instructions to check and agree to the update content and terms.
- Downloading of the update data will start. Once the data has been downloaded, installation will begin.
 - The time required for download and installation may increase depending on the communications environment. If you turn off

the engine switch <power switch> while the software is installing, installation will resume the next time the vehicle is started.

- Once the update is complete, a message is displayed on the screen.
 - If the system needs to be restarted, a message will appear. Touching [Yes] restarts the system.
 - To check the software update history, touch [History] on the software update history screen.
-
- If critical update data is available on the distribution server, a message will be displayed. Touch [OK] to download the update data.
 - The following conditions must be met to use Wi-Fi® to update the software:
 - The Wi-Fi® function is turned on. (→P.79)
 - The vehicle must be in a location where it can access Wi-Fi®
 - The system must be connected to a Wi-Fi® access point (e.g. home, work, etc.)

Navigation system settings

Through the navigation system settings, various settings can be changed, such as the map color, text size, etc.

- 1

Touch [⚙️] from the main menu.
- 2

Touch [Navigation].
- 3

Touch the desired item.
- Map display settings (→P.64)
- Route settings (→P.66)
- Guidance settings (→P.69)
- Map update settings* (→P.137)
- Traffic settings (→P.70)
- Other settings (→P.71)

*: With built-in navigation system

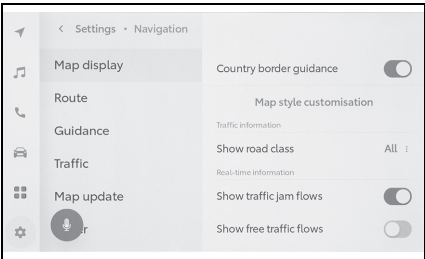
Changing the map display settings

- 1

Touch [⚙️] from the main menu.
- 2

Touch [Navigation].
- 3

Touch the desired item.



Setting	Description
[Country border guidance]	Touch to turn the country border guidance setting on/off. When set to on, voice guidance will be output when crossing country borders. In addition, information on speed limits and driving regulations for that country is displayed.*
[Map style customization]	Touch to change the map display customization settings.
"Traffic information"	

Setting	Description
[Show road class]	Touch to change the traffic information display road type setting. After touching a desired road type, touch [OK].
[Show traffic jam flows]	Touch to turn the display of congestion and traffic jams, based on current information, on/off.
[Show free traffic flows]	Touch to turn the display of free flowing roads, based on current information, on/off.
[Traffic incident warning]	Touch turn the traffic incident warning display on/off.
[Show POI icons settings]	Touch to change the Points Of Interest (POI) icon settings.
[3D view settings]	Touch to change the display angle of the 3D map. (→P.65)
[On street parking suggestion]	Touch to turn the street parking suggestions on/off.
[Map language]*	Touch to change the map language. After touching [Region] or [System Language], touch [OK].

* : With built-in navigation system

Map display customization settings

The map color and text size can be changed.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Map style customization].
- 4 Touch the desired item.



- A Touch to change the size of the text on the map display.
 - B Touch to change the map color.
- 5 Touch [OK].

Display angle setting

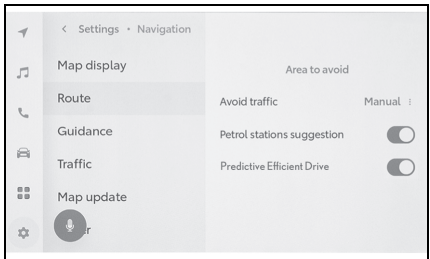
The display angle of the 3D map can be set.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [3D view settings].

- 4 Touch [▲] (increase angle) or [▼] (decrease angle).
- 5 Touch [OK].

Route settings

- 1 Touch [⚙] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Route].
- 4 Touch the desired item.



Setting	Description
[Area to avoid]	Touch to register and edit areas to avoid. (→P.67)
[Avoid traffic] ^{*1}	Touch to change the avoid traffic function setting. After touching [Auto], [Manual] or [Off], touch [OK].
[Gas stations suggestion]	Automatic display of the fuel station list can be turned on/off. (→P.125)
[Predictive Efficient Drive] ^{*1, 2}	Touch to turn predictive efficient drive on/off. (→P.68)

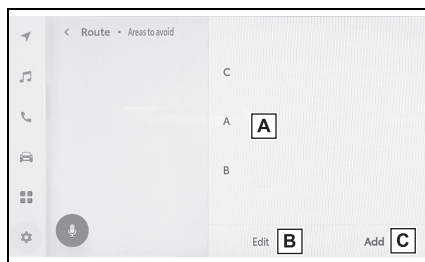
^{*1}: This function is not made available in some countries or areas.

^{*2}: Vehicles with hybrid system

Areas to avoid settings

If an area is known to have road construction, is closed, or frequently has traffic jams, it can be registered as an area to avoid, and routes which avoid this area will be searched for.

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Route].
- 4 Touch [Area to avoid].
- 5 Touch the desired item.



- A** Displays a list of registered areas to avoid. Touch to edit the touched area to avoid.
- B** Touch to delete a registered area to avoid.
- C** Touch to register an area to avoid.

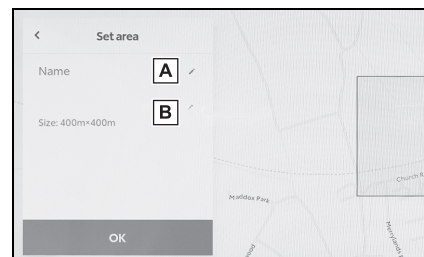
Registering areas to avoid

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Route].

- 4 Touch [Area to avoid].
- 5 Touch [Add].
- 6 Scroll the map to search for an area to avoid.
- 7 Touch [Complete].
- The range of the area to avoid is displayed as a yellow square.
- 8 Touch [](increase) or [](decrease) to set the range of the area to avoid and then touch [Complete].
- 9 After changing the desired items on the editing screen, touch [OK].

Editing areas to avoid

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Route].
- 4 Touch [Area to avoid].
- 5 Touch the area to avoid you wish to edit.
- 6 Touch the setting you wish to change.



- A** Touch to change the name of

the area to avoid.

- B** Touch to change the area to avoid and the range of the area to avoid.

- 7** Touch [OK].

Deleting areas to avoid

- 1** Touch [] from the main menu.
- 2** Touch [Navigation].
- 3** Touch [Route].
- 4** Touch [Area to avoid].
- 5** Touch [Edit].
- 6** Touch [] of the area to avoid you wish to delete.
 - [Del. all]: Delete all areas to avoid.
 - [Cancel]: Cancel deletion of areas to avoid.
- 7** Touch [Complete].

Predictive efficient drive^{*1, 2}

^{*1}: Vehicles with hybrid system

^{*2}: Refer to the separate "Owner's manual"

This system operates based on the driving situation and traffic information to enhance fuel economy.

- The predictive efficient drive function can be turned on/off. (→P.66)

Predictive deceleration support

The system automatically stores and registers support points where the driver always decelerates or stops based on pedal operation and the vehicle speed of the driver.

The registered points are shown on the map as icons  for use as predictive deceleration support points. When the position of the vehicle approaches the registered point, the icon changes to an emphasized  icon.

Depending on the system or driving situation, the engine brake amount increases after releasing the accelerator pedal.

As a result, the battery charge amount can be increased when decelerating or stopping the vehicle to enhance fuel economy.

Predictive SOC^{*} control

The system reads the road and traffic conditions ahead to efficiently control the charging and discharging of the hybrid battery according to the actual driving situation.

The capacity of the hybrid battery is limited. When it is fully charged, regeneration cannot occur, and when the battery is depleted, it may be forcibly charged by the engine. The system predicts these situations to adjust the battery charge

level in advance, effectively utilizing the battery.

*: SOC means state of charge

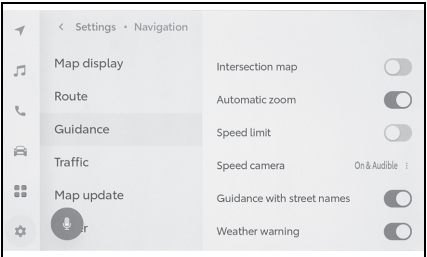
- The system operates when starting route guidance and the position of the vehicle is along the guided route. (The system does not operate in parking lots, etc.)
- When multiple destinations are set, the system will continue to operate to the last destination.

Guidance settings

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Guidance].
- 4 Touch the desired item.

2

Settings and registration



Setting	Description
[Intersection map]	Touch to turn the enlarged intersection display on/off. (→P.134)
[Automatic zoom]	Touch to turn automatic zoom on/off.
[Speed limit] ^{*1, 2}	Touch to set speed limit information on/off.
[Speed camera] ^{*1, 2}	Touch to change the speed cameras icons display setting. (→P.120) After touching [On], [On & Audible] or [Off], touch [OK].
[Guidance with street names]	Touch to set the street name guidance on/off.

Setting	Description
[Weather warning] ^{*1, 2}	Touch to set the weather warning on/off.
[Traffic jam warning]	Touch to turn traffic jam voice guidance on/off.
[Landmark voice guidance] ^{*1}	Touch to set the Landmark voice guidance on/off.
[Guide language]	Touch to change the voice guidance language. • After touching the language, touch [OK]. • Although the general voice guidance language can be changed, the language for location specific names cannot be changed.

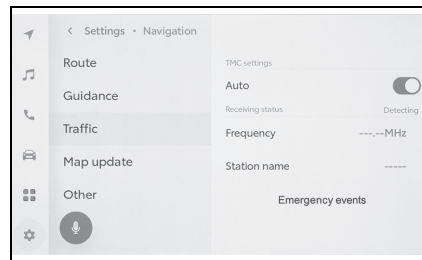
^{*1}: With built-in navigation system

^{*2}: This function is not available in some countries or areas.

Traffic settings

Traffic information such as traffic congestion or traffic incident warnings can be made available.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Traffic].
- 4 Touch the desired item.



Setting	Description
[TMC settings]	
[Auto]	Touch to change the traffic information reception settings.
[Receiving status]	
[Frequency]	Touch to change the frequency. (When TMC automatic reception setting is turned off)

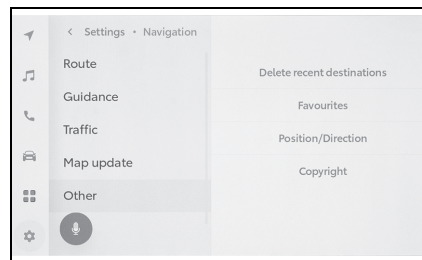
Setting	Description
[Station Name]	Displays the station name.
[Emergency events]	Touch to display the emergency events list. Touch list to display details.

Other settings

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].
- 4 Touch the desired item.

2

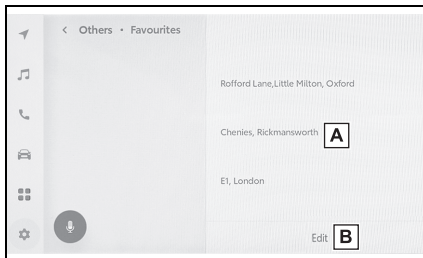
Settings and registration



Setting	Description
[Delete recent destinations]	Touch to delete the destination history. After touching the destinations you wish to delete, touch [OK]. To delete all, touch [Delete all], and then touch [OK].
[Favourites]	Touch to edit favorites. (→P.72)
[Position/Direction] (→P.73)	Touch to correct the position of your vehicle.
[Copyright]	Touch to display the copyright.

Favorites settings

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].
- 4 Touch [Favourites].
- 5 Touch the desired item.



- A** Displays a list of registered favorites. Touch to edit the touched favorite.
- B** Touch to delete a registered favorites.

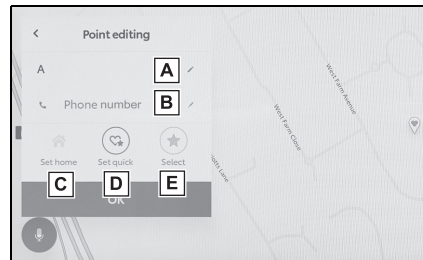
Registering favorites

To register a point as a favorite, when the information screen for a point is displayed on the map screen, touch [♥️] to register the point.

Editing favorites list

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].

- 4 Touch [Favourites].
- 5 Touch the favorite you wish to edit.
- 6 Touch the desired item.



- A** Edit your favorite name.
 - B** Edit the phone number.
 - C** Touch to register the current point as home.
 - D** Touch to register the current point as a frequently visited point.
 - E** Change the icon displayed on the map.
- 7 Touch [OK].

- When a frequently visited point is registered, it will be displayed at the top of the favorites list when setting a destination.

Deleting favorite

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].
- 4 Touch [Favourites].
- 5 Touch [Edit].

6 Touch [] of the favorite you wish to delete.

- [Del. all]: Delete all favorites.
- [Cancel]: Cancel deletion of favorites.

7 Touch [Complete].

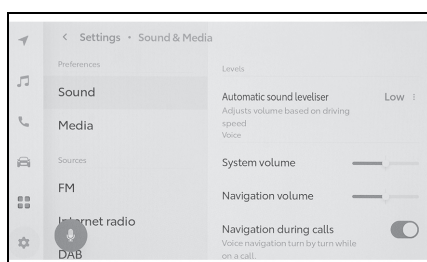
Position/Direction calibration

When driving, the current position mark will be automatically corrected by GPS signals. If GPS reception is poor at the current location, the current position mark can be adjusted manually.

- 1 Touch [] from the main menu.
- 2 Touch [Navigation].
- 3 Touch [Other].
- 4 Touch [Position / Direction].
- 5 Scroll the map to the desired point and touch [OK].
- 6 Touch an arrow to adjust the direction of the current position mark and touch [OK].

Changing sound and media settings

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Sound & Media].
- 3 Select the desired item.



● [Sound] > [Levels]

Setting	Description
[Automatic sound leveliser]	Type A: Automatically adjusts audio volume according to the vehicle speed.
	Type B: The level to automatically adjust the audio volume according to the vehicle speed while driving can be set.
	Compared to the [Low] setting, the [High] setting increases the volume more and brings it to an optimal level for high speed driving.

● [Sound] > [Voice]

Setting	Description
[System volume]	Adjust the system guidance volume.
[Navigation volume] ^{*1, 2}	Adjust the volume of the voice guidance for the navigation system.
[Navigation during calls] ^{*1, 2}	Turn on or off to interrupt the navigation system voice guidance during a phone call.
[Adaptive volume control] ^{*1, 2}	Automatically increases the voice guidance volume when you are driving on an expressway.
[Driving assist volume] ^{*1, 2}	Adjusts the volume of the driving support system.

^{*1}: With built-in navigation system

^{*2}: Without built-in navigation system (when using connected navigation with Toyota Smart Center usage contract)

● [Sound] > [Acoustic setting]^{*}

Setting	Content
[Surround sound]	Set to an immersive sound quality.

^{*}: If equipped

● [Media] > [General]

Setting	Description
[Display cover art]	Displays cover art such as for music albums.

● [FM] > [FM]

Setting	Description
[Station list]	Reorders the station list.
[Enable FM radio]*	Hides [FM] on the source selection screen.
[FM traffic announcement]	Automatically switches stations when traffic information starts on an FM broadcasting station.
[FM alternative frequency]	Switches to an alternative frequency with better reception when the signal fades for an FM broadcasting station.
[Regional code change]	Switches to local broadcasting on the same program network.
[FM radio text]	Displays radio text from the FM broadcasting station.

*: This function is not made available in some countries or areas.

● [Internet radio]*

Setting	Description
[Enable internet radio]	When the radio wave condition deteriorates, the system switches to IP radio.
[Changing to IP stream]	Settings can be changed for when switching to IP radio. • When [Auto] is set, it switches automatically. • Setting [By request] notifies of a switch request.
[Enhanced metadata/art work]	Uses the Gracenote radio recognition technology. • Displays the logos of the favorites and the station list. • Changes the category names of the station list. • Automatically updates the station list.

*: This function is not made available in some countries or areas.

● [DAB]*

Setting	Description
[Traffic announcement]	Automatically switches stations when traffic information starts on DAB.
[Service news]	Automatically switches stations when there is a DAB announcement broadcast (such as news, weather information, alerts, or warnings). • When the announcement ends, the system resumes the previous program. • Alarm announcements are broadcast even if the settings is off.
[Alternative frequency]	Switches to an alternative frequency with better reception when the signal fades for DAB.
[Radio text]	Displays radio text from DAB.
[Slideshow]	Displays the slideshow images. The slideshow is available depending on the service.

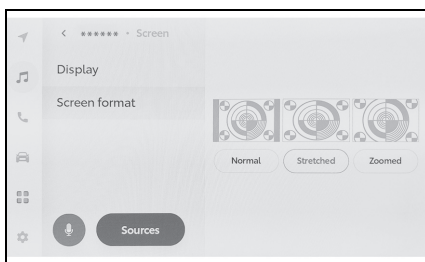
- Turn the POWER/VOLUME knob during system voice guidance to adjust the volume of the voice guidance.

*: This function is not made available in some countries or areas.

Switching the screen mode

Switch between normal video and wide screen video.

- 1 Touch [🎵] from the main menu.
 - 2 Touch [Sources].
 - 3 Touch the source for which screen mode will be switched.
 - 4 Touch [⋮].
 - 5 Touch [Screen].
- The button is displayed in video mode.
- 6 Touch [Screen format].
 - 7 Select the desired mode.



[Normal]: Displays the input video in a 4:3 aspect ratio.

[Stretched]: Enlarges the input video display to fit the screen.

[Zoomed]: Enlarges the input video display equally in the vertical and horizontal directions.

- The settable mode varies according to the video mode.
- There is no problem when video is viewed for the personal use of customers. However, any screen compression or stretching for commercial purposes or public viewing may infringe copyright holder's rights that

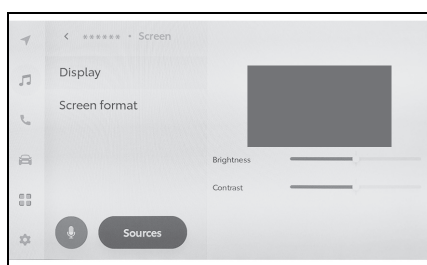
are protected under copyright law.

- Black bands may be added to restrict the video display area to prevent the video from looking strange.

Adjusting the image quality

Adjusts the contrast and brightness of the image.

- 1 Touch [🎵] from the main menu.
 - 2 Touch [Sources].
 - 3 Touch the source of which image quality will be adjusted.
 - 4 Touch [⋮].
 - 5 Touch [Screen].
- The button is displayed in video mode.
- 6 Touch [Display].
 - 7 Set each item.



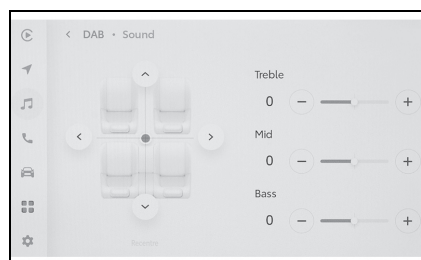
"Brightness": Adjusts the brightness.

"Contrast": Adjusts the contrast.

Adjusting the sound of each source

Adjusts the sound quality and volume balance of each source.

- 1 Touch [🎵] from the main menu.
 - 2 Touch [Sources].
 - 3 Touch the source of the sound to be adjusted.
 - 4 Touch [⋮].
- Depending on the source, go onto Procedure 6.
- 5 Touch [Sound].
 - 6 Set each item.



"Treble": Adjusts the level of the treble.

"Mid": Adjusts the level of the midrange.

"Bass": Adjusts the level of the bass.

Fader and balance: Adjust the fader and balance by moving the [●].

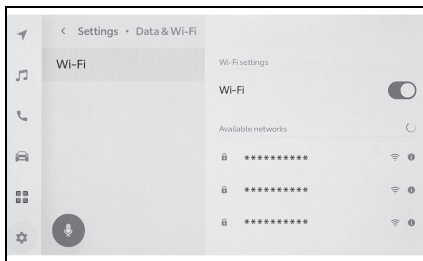
Touch [Recentre] to return to the center.

- Adjust the Treble, Mid, and Bass settings independently for each source.

Changing Wi-Fi® settings

Changes Wi-Fi® settings.

- 1 Touch [⚙] from the main menu.
- 2 Touch [Wi-Fi] from the sub menu.
- 3 Set each item.



● “Wi-Fi settings”

Setting	Description
[Wi-Fi]	Enables or disables the Wi-Fi® function.

- A message may be displayed depending on the multimedia system settings. Perform the operation according to the guidance on the screen.
- Turning on [Wi-Fi] will display nearby networks that are available.
- Turning off [Wi-Fi] will disconnect the Wi-Fi® connection.

- “Available networks” (“Available networks” will display while [Wi-Fi] is on.)

Setting	Description
Name of network to connect to (Network SSID)	Connects to the network touched.
Name of network display (Network SSID) [i]	Displays the network information display.

- Network name may display as duplicate when more than one MAC address shares the same network.
- A maximum of 30 networks can be displayed. The list is automatically updated every six seconds.
- If there are devices using the same network name (Network SSID), it cannot identify which device to use. If using multiple devices, use different network names (Network SSID) for each device.
- Network information display (Displays when [i] for the network name is touched.)

Setting	Description
[Auto connect]*	Turns on or off the setting to automatically connect when searching for networks.
“Network SSID”	Displays the network name (SSID).
“MAC address”	Displays the MAC address of the network.

Setting	Description
"Security"	Displays the security protocol of the network.
"Frequency band"	Displays the network frequency.
[Forget this network]*	Deletes the connection history of the selected network from the multimedia system. The deleted network will be recognized as a network which has never been connected to the system before.

*: Only networks with a connection history to the multimedia system are displayed.

- [Forget this network] does not disconnect the current Wi-Fi® network connection. The network information will not be remembered and not reconnect to this Wi-Fi® network when restarting Wi-Fi®.

-
- The network connection history retains up to 20 items, deleting the oldest when a new one is saved.
 - Insecure networks are not registered in the network connection history.

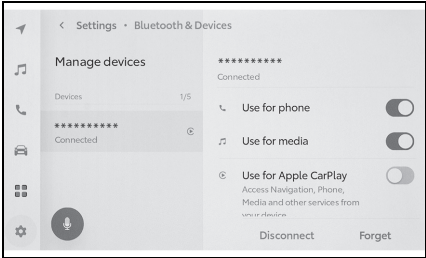
Setting Bluetooth® devices

How to use the multimedia system and the connected Bluetooth® device can be set.

- Settings details are set separately for each individual Bluetooth® device.
- Audio may skip if hands-free calling is selected while playing Bluetooth® audio.
- Depending on the Bluetooth® device model, it may be necessary to perform operations on the Bluetooth® device.
- A Bluetooth® device cannot be selected during an emergency call.
- Settings cannot be selected while driving.
- Settings may not be selectable depending on the status of the Bluetooth® device.

- 1 Touch [⚙️] from the main menu.
 - 2 Touch [Bluetooth & Devices].
 - 3 Touch the Bluetooth® device to configure from the sub menu.
- Nothing will display unless at least one Bluetooth® device is registered.

4 Set each item.



Setting	Description
[Use for phone]	Enables or disables the hands-free call function. *1
[Use for media]	Enables or disables the audio function. *1
[Use for Apple CarPlay]	Enables or disables the Apple CarPlay function. *1
[Use for Android Auto]	Enables or disables the Android Auto function. *1, 2

*1: Only displayed when the Bluetooth® device can execute this function. Toggling the function on or off will display or hide related functions, or turn them on or off. This cannot be used for calls or audio while Apple CarPlay or Android Auto is set to on. The same also applies in reverse. Connection does not start immediately just by switching. To start connection, touch [Connect].

*2: If the [Use for Android Auto] settings are switched OFF while using Android Auto, [Use for phone] settings will be switched ON.

● “Volume”

Setting	Description
[Ringtone]	Adjusts the ringtone volume.
[Received volume]	Adjusts the receiver volume.
[New message]	Adjusts the volume for incoming messages.

● “General”

Setting	Description
[Ringtone]	The ringtone for hands-free calling can be set as follows. • Sets the ringtone set for the cellular phone as the ringtone for the multimedia system. • Sets the existing ringtone. • Sets the system to read aloud the name of the party calling.
[Message tone]	The ringtone for incoming messages can be set as follows. • Set to the existing incoming ringtone. • Set to mute. • Set to read aloud the name of the sender.

Setting	Description
[Sort contacts by]	The display of names registered in your contacts can be changed as follows. • Sort contacts by the first name. • Sort contacts by the last name.
[Auto read messages]	Enables or disables the automated message read out function.
[Clear call history]	Deletes hands-free call history data.*

*: Displayed when a cellular phone with [Sync contacts] turned off is connected.

● “Syncing”

Setting	Description
[Sync contacts]	Enables or disables automatic transfer of contacts, favorites, and history to the multimedia system. When the setting is switched from OFF to ON, automatic transfer of the phone book starts. Some cellular phone models do not allow favorites to be transferred.
[Display contact images]	Enables or disables the contact image display. The contact image cannot be downloaded to the multimedia system unless the [Sync contacts] is set to on.
[Set as secondary device]	Sets the device as a secondary device. * (→P.96)
[Remove secondary device setting]	Removes the device as a secondary device.
[Connect]	Connects the multimedia system to a Bluetooth® device.

Setting	Description
[Disconnect]	Disconnects a Bluetooth® device from the multimedia system.
[Forget]	Allows registered Bluetooth® devices to be deleted.

*: This can be set while the driver is identified and the cellular phone has not been set as the primary device. Touch [Set as secondary device] to set the device as the secondary device. The priority order for connecting Bluetooth® devices is primary device, secondary device, and latest device in the connection history.

Connecting a smartphone or communication device

3-1. Using the Bluetooth® function

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3-3. Using Apple CarPlay and Android Auto

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When Apple CarPlay or Android Auto might be malfunctioning 109

Precautions when using Bluetooth® devices

Pay special attention to the following information when using a Bluetooth® device on the multimedia system.

- Bluetooth® is a best-effort function that performs wireless communication with the 2.4 GHz band frequency.
- Simultaneous use of Wi-Fi using the same 2.4 GHz band wireless communication as Bluetooth® could cause mutual interference.
- Mutual interference between Bluetooth® and Wi-Fi® could cause issues such as garbled video, audio skipping, or reduced communication speed.
The effect of interference will be reduced if a Bluetooth® device is connected. If a Bluetooth® device has been registered, connecting with the registered device could improve this issue. (The connection of a Bluetooth® device can be checked with by the status icon on the multimedia system screen.) (→P.18)
- Using a Bluetooth® cellular phone simultaneously with a wireless device could negatively affect communication for each.
- The Bluetooth® function cannot be used by the multimedia system while Apple CarPlay is connected wirelessly.
- Wi-Fi® functions (Wi-Fi® and Miracast®) use the same 2.4 GHz band for wireless communication.
Using a Bluetooth® device simultaneously could negatively affect communication for each. Turning off the

Wi-Fi® function will allow for use without issue.

- When a Bluetooth® device is connected via Bluetooth®, its battery will be consumed more quickly than normal.
- Bluetooth® connections will be disconnected during emergency calls. Any disconnected Bluetooth® devices will be reconnected once the emergency call is finished.



WARNING

- For safety, the driver should not operate the cellular phone itself while driving when using hands-free calling.
- Stop the vehicle in a safe location prior to calling. If a call is received while driving, be sure to drive safely and keep the call short.



NOTICE

- Do not use a Bluetooth® device near the multimedia system. Coming too close could worsen sound quality or the connection.
- Do not leave a cellular phone inside the vehicle. The inside of the vehicle can become hot, which could cause the cellular phone to malfunction.

Users with pacemakers or other electrical medical devices

Observe the following precautions with regard to radio waves during Bluetooth® communication.

**WARNING**

- The vehicle antenna for Bluetooth® communication is built into the multimedia system.
- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

**When used simultaneously
with Bluetooth® audio**

- The following behaviors will occur if a Bluetooth®-compatible device (cellular phone) is used hands-free and simultaneously with Bluetooth® audio.
- The Bluetooth® connection of the cellular phone may be disconnected.
- There may be noise in the sound of the hands-free phone.
- Hands-free call operation may lag.
- Audio may skip if the communication device selected for hands-

free calling is changed during Bluetooth® audio playback.

- The portable device connection may be disconnected when transferring contact data. It will be reconnected once transfer is complete. (Reconnection may not be possible for some models)
- It may not be possible to make both a hands-free connection and audio connection, even for cellular phones that support both hands-free connections and audio connections.
- For a list of specific devices which operation has been confirmed on this system, check with any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Bluetooth® specifications and compatible profiles

The multimedia system supports the following specifications and compatible profiles. Operation is not guaranteed for all Bluetooth® devices.

Supported Bluetooth® specifications

Bluetooth® Core Specification Ver. 5.0

Compatible profiles

- HFP (Hands Free Profile)

Supported versions: Ver.1.7.2

- This is a profile to allow hands-free phone calls using a cellular phone. It has outgoing and incoming call functions.

- PBAP (Phone Book Access Profile)

Supported versions: Ver.1.2.3

- Profile for synchronizing data such as contact data and call history

- OPP (Object Push Profile)

Supported versions: Ver. 1.2.1

Profile for transferring contact data

- MAP (Message Access Profile)

Supported versions: Ver.1.4.2

- This is a profile to use phone message functions.

- SPP (Serial Port Profile)

Supported versions: Ver.1.2

- Profile for converting Bluetooth® equipped devices as virtual serial ports
- Profile for linking smartphones
- A2DP (Advanced Audio Distribution Profile)

Supported versions: Ver.1.3.2

- This is a profile to transmit stereo audio or high quality sound to the audio system.

- AVRCP (Audio/Video Remote Control Profile)

Supported versions: Ver.1.6.2

- Profile for controlling audio remotely

Registering a Bluetooth® device from the multimedia system

A cellular phone or portable device must be registered in order to use hands-free calling or Bluetooth® audio. Once registration is complete,

Bluetooth® will automatically be connected each time the multimedia system is started.

When Apple CarPlay or Android Auto is connected, the device will be automatically registered.

If no Bluetooth® device is connected, the registration screen can also be displayed by pressing and holding the [] switch on the steering.

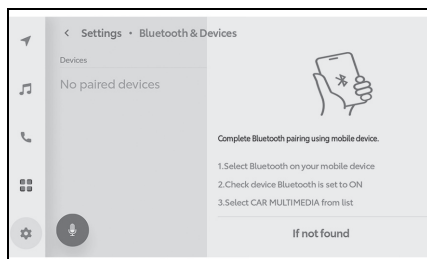
- A cellular phone can be registered as both a hands-free phone and Bluetooth® audio device.
- Up to 5 Bluetooth® devices can be registered. However, a maximum of 2 devices can be used as a hands-free phone. (Setting of a driver is required to connect 2 hands-free phones.)
- Refer to the Bluetooth® device's instruction manual for information on how to operate the Bluetooth® device.
- Registration will need to be repeated once for each Bluetooth® device if multiple Bluetooth® devices will be used.
- A PIN code is a verification code used

when registering a Bluetooth® device to the multimedia system.

- Dialing may be locked out after connecting, depending on the cellular phone settings. Cancel the auto lock function on the cellular phone before use.
- If another device is registered while connected to a cellular phone or portable device, the connection to the portable device or cellular phone playing audio will be disconnected.
- Miracast® audio may skip if a Bluetooth® device is registered while using Miracast®.
- For safety reasons, devices cannot be registered while driving.
- If Bluetooth® device registration cannot be completed, restart the Bluetooth® device.

- 1 Touch [] from the main menu.
- 2 Touch [Bluetooth & Devices].
- If no device is registered, proceed to Procedure 4.
- 3 Touch [Add another device].

- While a device is connected to the multimedia system, the confirmation screen for disconnecting the device may be displayed. Disconnect the device to perform registration.

4 Touch [If not found].**5** Touch the device to register from the main area.

- The Bluetooth® address may be displayed instead of the device name.
 - If the device to register is not displayed in the main area, try registering from the Bluetooth® device.
 - Certain models of Bluetooth® devices may not be displayed in the device list, unless a certain screen is displayed on the Bluetooth® device. Refer to the Bluetooth® device's instruction manual for details.
- 6** Check that the displayed PIN code matches the PIN code displayed on the Bluetooth® device, and then touch [OK].
- Some Bluetooth® devices may need to be operated to complete registration.
 - Primary device settings may be displayed. Perform the operation according to the screen guidance.

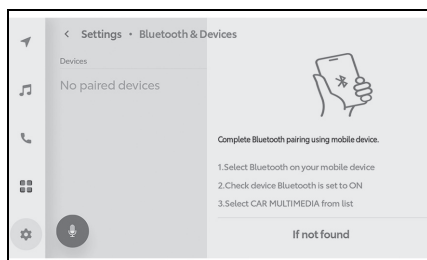
- Apple CarPlay settings may be displayed. The Apple CarPlay screen will be displayed if use is enabled.
- A message indicating that connection is complete is displayed, and the name of the registered Bluetooth® device is displayed in the sub menu.
- If an operation failed screen is displayed, follow the operation instructions on the screen.

Registering from a Bluetooth® device

If the Bluetooth® device cannot be found by searching with the multimedia system, register by searching for the multimedia system from the Bluetooth® device.

- 1** Touch [⚙️] from the main menu.
 - 2** Touch [Bluetooth & Devices].
- If no device is registered, proceed to Procedure **4**.
- 3** Touch [Add another device].
- While a device is connected to the multimedia system, the confirmation screen for disconnecting the device may be displayed. Disconnect the device to perform registration.

- 4** Register the multimedia system from the Bluetooth® device to be used.



Bluetooth® device is displayed in the sub menu.

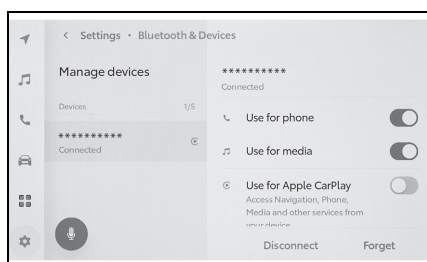
- If an operation failed screen is displayed, follow the operation instructions on the screen.

- Perform the operation according to the operating procedure of the Bluetooth® device.
 - Be sure to display this Bluetooth® connection screen before performing registration on the Bluetooth® device.
- 5** Check that the displayed PIN code matches the PIN code displayed on the Bluetooth® device, and then touch [OK].
- Some Bluetooth® devices may need to be operated to complete registration.
 - Primary device settings may be displayed. Perform the operation according to the screen guidance.
 - Apple CarPlay settings may be displayed. The Apple CarPlay screen will be displayed if use is enabled.
 - A message indicating that connection is complete is displayed, and the name of the registered

Deleting a registered Bluetooth® device

Registered Bluetooth® devices can be deleted.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Bluetooth & Devices].
- 3 Touch the Bluetooth® device to be deleted from the sub menu.
- 4 Touch [Forget].



- A device that has been set as the primary device of another user cannot be deleted.
- 5 Touch [Forget].
- A registered cellular phone cannot be deleted during an emergency call.
 - It may not be possible to delete on the first try, depending on the status of the Bluetooth® device.

Connecting with a Bluetooth® device

Connection with a Bluetooth® device is required to use various function of the multimedia system. There are two connection methods, automatic and manual.

- Refer to the Bluetooth® device's instruction manual for information on how to operate the Bluetooth® device.
- If multimedia system behavior is unstable when connecting a cellular phone, end the call and try connecting again.
- A connection cannot be made if Bluetooth® on the Bluetooth® device is not turned on.
- When connection of the Bluetooth® device is completed, a message will be displayed at the top of the screen.
- While the Bluetooth® device is connected, the Bluetooth® connection status icon is displayed. (→P.18)
- The display area may illuminate and stay on while the engine switch <power switch> is turned on, depending on the model of cellular phone. If this occurs, turn illumination off on the cellular phone. (For information on setting, refer to the cellular phone instruction manual)
- The Bluetooth® function cannot be used on the device connected as Apple CarPlay.
- The Bluetooth® function except the hands-free function cannot be used on the device connected as Android Auto.
- Miracast® audio may skip if a

Bluetooth® device is connected while using Miracast®.

Bluetooth® reconnection

If a Bluetooth® connection that was once established is disconnected while the engine switch <power switch> is turned on, a reconnection will be automatically attempted.

Number of Bluetooth® device connections

- When the driver is set
 - Up to two hands-free phones and one audio device will be connected automatically. (The hands-free phone and audio device can also be set as the same device.)
 - When the driver is not set
 - Up to one hands-free phone and one audio device will be connected automatically. (The hands-free phone and audio device can also be set as the same device.)
-
- Try connecting manually if reconnection fails. (→P.93)
 - If Apple CarPlay is connected, you may not be able to reconnect the Bluetooth® connection.

Automatically connecting Bluetooth® devices

The multimedia system will automatically connect to Bluetooth® devices in the set priority order

each time the engine switch <power switch> is turned from off to on.

- When the driver is set
 - Automatically connects in order of the primary device, secondary device, and then devices in order of most recent connection. (→P.95, 96)
 - Up to two hands-free phones and one audio device will be connected automatically. (The hands-free phone and audio device can also be set as the same device.)
- When the driver is not set
 - Automatically connects in order of most recent connection.
 - Up to one hands-free phone and one audio device will be connected automatically. (The hands-free phone and audio device can also be set as the same device.)

Try connecting manually if reconnection fails. (→P.93)

-
- The Bluetooth® device may need to be operated, depending on the model of Bluetooth® device.

Manually connecting Bluetooth® devices

In order to connect another Bluetooth® device, or if automatic connection fails, it is possible to connect to registered Bluetooth® devices.

- 1 Touch [] from the main menu.

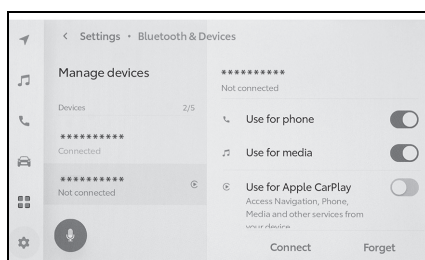
2 Touch [Bluetooth & Devices] on the sub menu.

- The device search screen will display on the multimedia system if no Bluetooth® devices are registered. Register the Bluetooth® device.

3 Touch the Bluetooth® device to connect to on the sub menu.

- If the Bluetooth® device to connect to is not listed in the sub menu, register the Bluetooth® device.

4 Touch [Connect] from the main area.



- A confirmation screen may be displayed if another device is already connected.

- It may not be possible to connect on the first try, depending on the status of the Bluetooth® device. If this occurs, try connecting again after a while.

Disconnecting Bluetooth® devices

Connected Bluetooth® devices can be disconnected from the multimedia system.

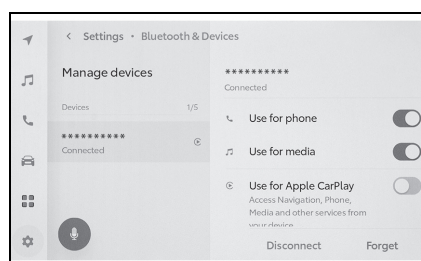
dia system.

1 Touch [⚙️] from the main menu.

2 Touch [Bluetooth & Devices] on the sub menu.

3 Touch the Bluetooth® device to be disconnected on the sub menu.

4 Touch [Disconnect] from the main area.



Setting a Bluetooth® device as a primary device

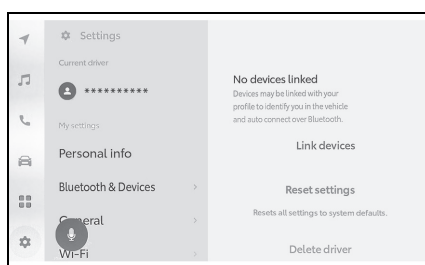
Setting a Bluetooth® device as the primary device makes it the first to be connected during automatic connection. (→P.93)

A Bluetooth® device that supports HFP must be connected to the multimedia system.

Registration of a driver is required to set a device as the primary device. (→P.48)

- A Bluetooth® device set as the primary device of another user cannot be set as the primary device.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Personal info].
- 3 Touch [Link devices] or [Change link devices] from the main area.



- The device search screen will be displayed if there is no Bluetooth® device that can be set as the primary device.
Search for the Bluetooth® device

to set and newly register it to the multimedia system. After the device is newly registered, it can be set as the primary device.

- 4 Select the Bluetooth® device to be set as the primary device.
- Disconnect the currently connected Bluetooth® device, then connect the primary device and secondary device.

Setting a Bluetooth® device as a secondary device

By setting a Bluetooth® device as a secondary device, it will be recognized as a secondary device when connected.

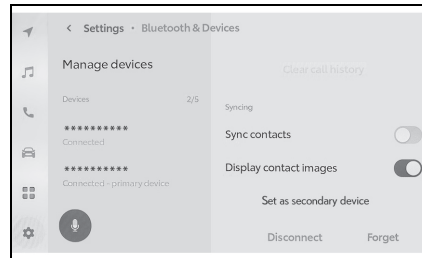
The same Bluetooth® device cannot be set as a primary device and secondary device for a driver.

A Bluetooth® device that supports HFP must be connected to the multimedia system.

Registration of a driver is required to set a device as the secondary device. (→P.48)

- 1** Touch [⚙️] from the main menu.
- 2** Touch [Bluetooth & Devices] on the sub menu.
 - The device search screen will display if no Bluetooth® devices are registered. Register a cellular phone. (→P.89)
- 3** Touch the Bluetooth® device to be set as a secondary device.
 - If the Bluetooth® device to be set is not listed, register the Bluetooth® device. (→P.89)

- 4** Touch [Set as secondary device] from the main area.



- This will change to [Remove secondary device setting] if the device is already set as a secondary device.

Precautions when using Wi-Fi® devices

Pay special attention to the following information when using the Wi-Fi® of the multimedia system.

Users with pacemakers or other electrical medical devices

Observe the following precautions with regard to radio waves during Wi-Fi® communication.

WARNING

- Use Wi-Fi® devices only when safe and legal to do so.
- The vehicle antenna for Wi-Fi® communication is built into the multimedia system.
- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Wi-Fi® antennas. The radio waves may affect the operation of such devices.

- Before using Wi-Fi® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

Using Wi-Fi® and Bluetooth® simultaneously

Wi-Fi® is a best-effort function that performs wireless communication with the 2.4 GHz band frequency. Simultaneous use of Bluetooth® using the same 2.4 GHz band wireless communication as Wi-Fi® could cause mutual interference.

Things to know about Wi-Fi®

- Wi-Fi®, Miracast®, Wi-Fi Direct® and WMM® are registered trademarks of Wi-Fi Alliance®.
- Wi-Fi Protected Setup™, Wi-Fi CERTIFIED™, WPA™, WPA2™ and WPA3™ are trademarks of Wi-Fi Alliance®.
- This is a best-effort function.
- Use this function when connecting to a portable device. Connections to devices other than portable devices may be disconnected, depending on the environment.
- Leaving the Wi-Fi® area will disconnect communication.

- If the vehicle is near a radio antenna, radio station or other source of strong radio waves and electrical noise, communication may be slow or impossible.
- The communication speed may drop or it even may become impossible to use this service in certain usage environments (due to factors such as the wireless antenna location and any wireless devices being used nearby).

Compatible Wi-Fi® communication protocols

IEEE 802.11b/g/n (2.4GHz)

Compatible security protocols

- WEP
- WPA™
- WPA2™
- WPA3™

Connecting to a network using Wi-Fi®

The multimedia system can be connected to the Internet by connecting to a Wi-Fi® network.

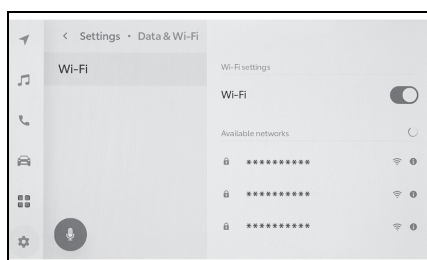
This function is not available in some countries or areas.

- The reception level is displayed at the top of the screen.
- This function cannot be used while Apple CarPlay is connected wirelessly.
- Some smartphone models may require establishing a connection each time.
- If networks are detected while the Wi-Fi® function is on, automatic connection will prioritize connecting to the network with the most recent connection.

Connecting to Wi-Fi® using a smartphone

Refer to the following operation example to establish a Wi-Fi® connection using a smartphone that supports Wi-Fi® tethering. For details on setting up tethering, refer to documents such as the instruction manual for the smartphone. Some smartphone models may require establishing a connection each time.

- 1 Touch [⚙] from the main menu.
- 2 Touch [Wi-Fi] from the sub menu.
- 3 Set [Wi-Fi] in the main area to on.



- A message may be displayed depending on the multimedia system settings. Perform the operation according to the screen guidance.
- Turning on [Wi-Fi] will display nearby networks that are available.
- 4 Select the name of the network that matches the name being broadcasted by the smartphone.
- Network name may display as duplicate when more than one MAC address shares the same network.
- A maximum of 30 networks can be displayed. The list is automatically updated every six seconds.
- If there are devices using the same network name (Network SSID), it cannot identify which device to use. Use different network names (Network SSID) if

using multiple devices.

- No selections can be made while driving.
- 5 Enter the corresponding password for this network.
- If no password is set, the connection will be made after selecting the network.
- If networks are detected with the automatic connection setting on, they will be connected to automatically.

- The network connection history retains up to 20 items, deleting the oldest when a new one is saved.

Establishing a Wi-Fi® connection to an available network

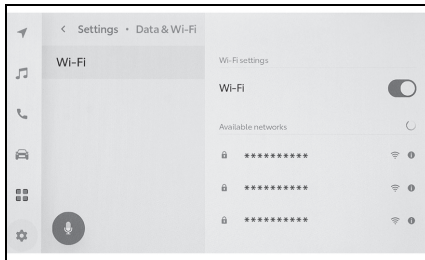
Connect to the Internet from a nearby network using Wi-Fi®. Confirm the password of the network to be used in advance.

- 1 Touch [⚙] from the main menu.
- 2 Touch [Wi-Fi] from the sub menu.

3

Connecting a smartphone or communication device

- 3 Set [Wi-Fi] in the main area to on.



- A message may be displayed depending on the multimedia system settings. Perform the operation according to the screen guidance.
 - Turning on [Wi-Fi] will display nearby networks that are available.
- 4 Touch the network to be connected to from [Available networks] in the main area.
- Network name may display as duplicate when more than one MAC address shares the same network.
 - A maximum of 30 networks can be displayed. The list is automatically updated every six seconds.
 - If there are devices using the same network name (Network SSID), it cannot identify which device to use. Use different network names (Network SSID) if using multiple devices.
 - No selections can be made while driving.
 - Touch [i] for the applicable

network to check network details.

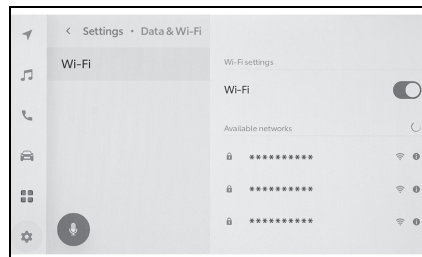
- 5 Enter the corresponding password for this network.
- If no password is set, the connection will be made after selecting the network.
 - If networks are detected with the automatic connection setting on, they will be connected to automatically.

- The network connection history retains up to 20 items, deleting the oldest when a new one is saved.

Disconnecting Wi-Fi®

Wi-Fi® can be disconnected by turning off the Wi-Fi® function.

- 1 Touch [⚙️] from the main menu.
- 2 Touch [Wi-Fi] from the sub menu.
- 3 Set [Wi-Fi] in the main area to off.



Precautions when using Apple CarPlay and Android Auto

Apple CarPlay and Android Auto allow for some applications (such as map, phone, and music applications) to be used by the multimedia system. While connected to Apple CarPlay or Android Auto, supported applications will display. Pay special attention to the following information when using Apple CarPlay or Android Auto.

To use Android Auto in your car, install the Android Auto app from Google Play Store™.

- Compatible devices

Apple iPhone devices that support Apple CarPlay. (iOS Ver. 13.3 or later)

For the supported devices, check <https://www.apple.com/ios/carplay/>.*

Android™ devices that supports Android Auto.

For the supported devices, check <https://www.android.com/auto/>.*

*: Operation is not guaranteed.



WARNING

- For safety reasons, drivers should not operate the smartphone itself while driving.



NOTICE

- Do not leave the smartphone inside the vehicle. The inside of the vehicle can become hot, which could cause the smartphone to malfunction.
- Do not push down on or subject the smartphone to unnecessary pressure while it is connected. The smartphone or port may be damaged.
- Keep the USB port free of foreign matter. The smartphone or port may be damaged.
- For USB connections, use a data USB cable provided by the phone manufacturer.
- Some system button functions will change while connected to Apple CarPlay or Android Auto.
- The following functions for devices connected to Apple CarPlay or Android Auto will be replaced by similar Apple CarPlay or Android Auto functions or will be disabled.
 - Bluetooth® phone
 - Bluetooth® audio
- The Bluetooth® function cannot be used by the multimedia system while Apple CarPlay is connected wirelessly.
- Starting Apple CarPlay or Android Auto while using Miracast® may stop Miracast®.
- The guidance volume can be changed on the voice settings screen. It can also be changed using the PWR/VOL knob. (→P.74)
- While Apple CarPlay or Android Auto of a device is connected, Apple CarPlay or Android Auto of a different device cannot be used.
- Apple CarPlay/Android Auto is an application developed by Apple

Inc/Google LLC. Its functions and services may be terminated or changed without notice depending on the connected device's operation system, hardware and software, or due to changes in Apple CarPlay/Android Auto specifications.

- For applications that support Apple CarPlay or Android Auto, refer to the respective website.
- While using Apple CarPlay or Android Auto, vehicle and user information such as the location and vehicle speed will be shared with the application publisher and cellular phone service provider.
- Downloading and using an application signifies your consent with its terms of use.
- Data is sent over the Internet and may result in charges being incurred. For information on data rates, contact the cellular phone service provider.
- Some functions including music playback may be restricted, depending on the application.
- Each function is an application provided by its respective company, and may be changed or suspended without prior notice. For details, refer to the website for the respective function.
- If the vehicle's navigation system is being used during route guidance and a new route is set using the Apple CarPlay or Android Auto map app, route guidance using the vehicle's navigation system will stop. If the Apple CarPlay or Android Auto map app is being used during route guidance and a new route is set using the vehicle's navigation system, route guidance using the Apple CarPlay or Android Auto map app will stop.
- Devices connected via Apple CarPlay cannot use Bluetooth® functions.
- Devices connected via Android Auto cannot use Bluetooth® functions other

than hands-free calling.

- In case of USB connection, if the USB cable is unplugged, Apple CarPlay or Android Auto will stop operating. Audio output will stop and the screen will switch to the multimedia system screen.
- Even if Android Auto is disconnected, the hands-free phone system can be used because the phone will still be connected.

Using Apple CarPlay with an unregistered smartphone

Apple CarPlay can be used by connecting an unregistered smartphone to the multimedia system. The procedure is different for registered smartphones. (→P.105)

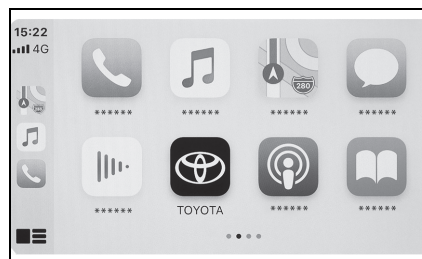
This function is not available in some countries or areas.

Using Apple CarPlay with a USB connection

Apple CarPlay can be used by connecting a smartphone to the multimedia system using a data USB cable.

- 1 Enable Siri from your smartphone's settings menu.
 - 2 Connect the smartphone to the USB port. (→P.31)
- The Apple CarPlay home screen is displayed.
 - It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
 - If guidance is displayed on the smartphone screen, follow those operation instructions.

3 Operate Apple CarPlay.



- iPhone applications that support Apple CarPlay can be used by touching the application.



Displays the multimedia system screen. To display the Apple CarPlay home screen again, touch [] from the main menu.



Switch the screen display.

Touching and holding this will start Siri.

- While Apple CarPlay is connected, press and hold the [] switch to start Siri. To cancel Siri, perform a short press of the [] switch.
- While [Wake word] is activated and Apple CarPlay is connected, speaking the Siri wake word will start Siri.* (→P.57)
The wake word function of Siri can only be used when the language is set to English. Also, the connected device must have iOS version 14.3 or later.
- If wireless connection is set to be used on the smartphone when registered via USB connection, the device can be wirelessly connected on the next attempt.

*: This function is not made available in some countries or areas.

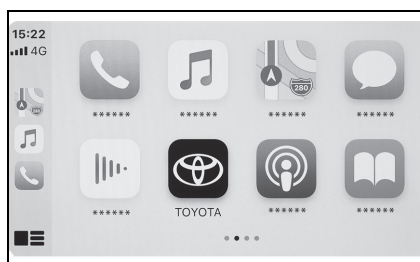
Using Apple CarPlay with wireless connection

Apple CarPlay can be connected to the multimedia system wirelessly using vehicle's wireless connection capability.

- 1 Enable Siri from your smartphone's settings menu.
- 2 Touch [⚙️] from the main menu.
- 3 Touch [Bluetooth & Devices].
 - The device search screen will be displayed if there is no smartphone registered to the multimedia system. Proceed to Procedure 5.
- 4 Touch [Add another device].
- 5 Touch [If not found].
- 6 Select the smartphone to register.
- 7 Check that the displayed PIN code matches the PIN code displayed on the smartphone, and then touch [OK].
 - Perform the operation according to the guidance on the screen.
- 8 If Apple CarPlay settings are displayed, touch [Yes].
 - The Apple CarPlay home screen is displayed.
 - It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.

- If an operation failed screen is displayed, follow the operation instructions on the screen.
- If guidance is displayed on the smartphone screen, follow those operation instructions.

9 Operate Apple CarPlay.



- iPhone applications that support Apple CarPlay can be used by touching the application.



Displays the multimedia system screen.

To display the Apple CarPlay home screen again, touch [⏮] from the main menu.



Switch the screen display.

Touching and holding this will start Siri.

- While Apple CarPlay is connected, press and hold the [⏮] switch to start Siri. To cancel Siri, perform a short press of the [⏮] switch.
- While [Wake word] is activated and Apple CarPlay is connected, speaking the Siri wake word will start Siri.* (→P.57)
The wake word function of Siri can only be used when the language is set to English. Also, the connected device

must have iOS version 14.3 or later.

*: This function is not made available in some countries or areas.

Using Apple CarPlay with a registered smartphone

Apple CarPlay can be used by connecting a registered smartphone to the multimedia system. The procedure is different for unregistered smartphones. (→P.103)

This function is not available in some countries or areas.

Using Apple CarPlay with a USB connection

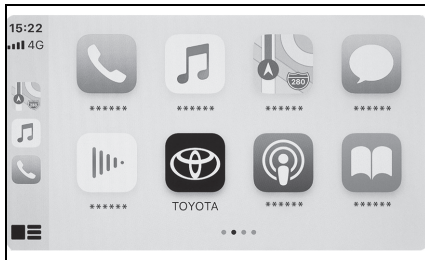
Apple CarPlay can be used by connecting a smartphone to the multimedia system using a data USB cable.

- Check that your smartphone is connected to multimedia system.
- 1 Enable Siri from your smartphone's settings menu.
- 2 Connect the smartphone to the USB port. (→P.31)
- The Apple CarPlay home screen is displayed.
- It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
- If an operation failed screen is displayed, follow the operation instructions on the screen.
- If guidance is displayed on the smartphone screen, follow those

operation instructions.

- If the Apple CarPlay home screen is not displayed, check the following.
- Touch [C] from the main menu.
- If [C] of the main menu is not displayed, select the smartphone to use with Apple CarPlay and set [Use for Apple CarPlay] to ON. (→P.81)
- After confirming the 2 items above, press [Connect] in the Bluetooth® settings to connect your smartphone. (→P.81)

3 Operate Apple CarPlay.



- iPhone applications that support Apple CarPlay can be used by touching the application.



Displays the multimedia system screen.
To display the Apple CarPlay home screen again, touch [C] from the main menu.



Switch the screen display.
Touching and holding this will start Siri.

- While Apple CarPlay is connected, press and hold the [Wake word] switch to start Siri. To cancel Siri, perform a short

press of the [Wake word] switch.

- While [Wake word] is activated and Apple CarPlay is connected, speaking the Siri wake word will start Siri.* (→P.57)

The wake word function of Siri can only be used when the language is set to English. Also, the connected device must have iOS version 14.3 or later.

*: This function is not made available in some countries or areas.

Using Apple CarPlay with wireless connection

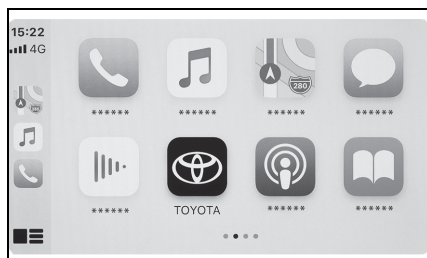
Apple CarPlay can be connected to the multimedia system wirelessly using vehicle's wireless connection capability.

- Check that your smartphone is connected to multimedia system.

- 1 Enable Siri from the settings menu on the smartphone.
 - 2 Touch [Settings] from the main menu.
 - 3 Touch [Bluetooth & Devices].
 - 4 Select the smartphone to use with Apple CarPlay and set [Use for Apple CarPlay] to ON.
 - 5 If your smartphone is not connected, press [Connect] to connect your smartphone.
- The Apple CarPlay home screen is displayed.
 - It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.

- If an operation failed screen is displayed, follow the operation instructions on the screen.
- If guidance is displayed on the smartphone screen, follow those operation instructions.
- If the Apple CarPlay home screen is not displayed, touch [C] from the main menu.

6 Operate Apple CarPlay.



- iPhone applications that support Apple CarPlay can be used by touching the application.



Displays the multimedia system screen.

To display the Apple CarPlay home screen again, touch [C] from the main menu.



Switch the screen display.

Touching and holding this will start Siri.

- While Apple CarPlay is connected, press and hold the [Siri] switch to start Siri. To cancel Siri, perform a short press of the [Siri] switch.
- While [Wake word] is activated and Apple CarPlay is connected, speaking

the Siri wake word will start Siri.*
(→P.57)

The wake word function of Siri can only be used when the language is set to English. Also, the connected device must have iOS version 14.3 or later.

*: This function is not made available in some countries or areas.

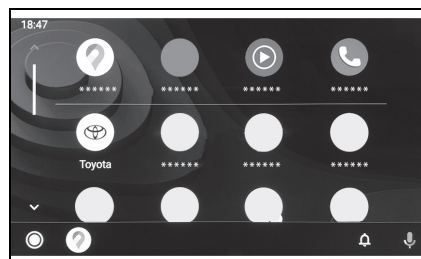
Using Android Auto

Android Auto can be used by connecting a smartphone to the multimedia system using a data USB cable.

This function is not available in some countries or areas.

- 1 Confirm that the Android Auto application is installed on the smartphone to connect.
- 2 Connect the smartphone to the USB port. (→P.31)
 - The Android Auto home screen is displayed.
 - It may take around three to six seconds to return to the original screen, depending on the smartphone being connected.
 - If an operation failed screen is displayed, follow the operation instructions on the screen.
 - If guidance is displayed on the smartphone screen, follow those operation instructions.
 - If the Android Auto home screen is not displayed, check the following.
 - Touch [▲] from the main menu.
 - If [▲] of the main menu is not displayed, select the smartphone to use with Android Auto and set [Use for Android Auto] to ON. (→P.81)
 - After confirming the 2 items above, press [Connect] in the Bluetooth® settings to connect your smartphone. (→P.81)

3 Operate Android Auto.



- Applications that support Android Auto can be used by touching the application.



Displays the multimedia system screen.
To display the Android Auto home screen again, touch [▲] from the main menu.



Start Google Assistant™.

- While Android Auto is connected, press and hold the [voice icon] switch on the steering to start Google Assistant™. To cancel, perform a short press of the [voice icon] switch on the steering.

When Apple CarPlay or Android Auto might be malfunctioning

If having trouble with Apple CarPlay or Android Auto, check the following table first.

Symptom	Solution
Apple CarPlay or Android Auto does not start.	Confirm that the smartphone being connected supports Apple CarPlay or Android Auto. Confirm that Apple CarPlay or Android Auto is enabled on the smartphone. Confirm that the Android Auto application is installed on the smartphone being connected. For details, refer to the following URL. • Apple CarPlay: https://www.apple.com/ios/carplay/ • Android Auto: https://www.android.com/auto/ Confirm that the Apple CarPlay or Android Auto function on the registered smartphone is turned on in the multimedia system. (→P.81) If connecting with a USB cable, confirm that the USB cable is securely connected to the smartphone and the USB port. Connect the smartphone directly to the USB port. Do not use a USB hub. (→P.31) Make sure the correct USB port is used to connect Apple CarPlay and Android Auto. USB port used exclusively for charging cannot be used for smartphone apps. Wireless charger*¹ used for wireless charging will not start wireless Apple CarPlay connection. For an Apple CarPlay wireless connection, check the following items. • Confirm that the smartphone can be connected via Bluetooth® to the multimedia system. • Confirm that the smartphone is set to be able to use Wi-Fi®.

Symptom	Solution
Apple CarPlay or Android Auto does not start.	For Apple CarPlay: Confirm that the Lightning cable being used is Apple-certified. Confirm that Siri is enabled. The smartphone linking function cannot be used with a charging-only USB cable. Use a cable capable of transferring data. Some cables may not be supported. Recommended USB cable requirements are listed below. • iPhone: Use an official Apple USB cable or a USB cable that has been Apple MFi certified. • Android: Use a cable that is 1.8 m (6 ft.) or shorter, and do not use an extension cable. • Use a cable displaying the USB logo . If the smartphone linking function worked previously but no longer works, replacing the USB cable may resolve the issue. After checking all of the above, connect Apple CarPlay or Android Auto.
When an Apple CarPlay/Android Auto connection is established and a video is being played, the video is not displayed, but audio is output through the system.	As the system is not designed to play video through Apple CarPlay/Android Auto, this is not a malfunction.
Audio is not output.	The volume of the multimedia system may be muted or set too low. Increase the volume on the multimedia system. Make sure Apple supported apps are used for Apple CarPlay and Google™ supported apps are used for Android Auto. Playing music from web browser will lead to no or improper audio output.
The screen flickers and audio is noisy.	Check whether the USB cable connected to the multimedia system is damaged. To check whether there is internal damage to the USB cable, connect the smartphone to another system such as a PC, then confirm that charging starts and that it is recognized by the system.

Symptom	Solution
The screen flickers and audio is noisy.	Replace the USB cable with another cable.
The map display cannot be enlarged or shrunk using the Apple CarPlay map app.	Pinch operations are not supported for the Apple CarPlay map app.
The Apple CarPlay screen is shown in the center and does not fill up the whole display.	Full-screen display is supported on iOS Ver. 10 or later. Update to the latest iOS version.
During Apple CarPlay music app playback, if an app that is not compatible with Apple CarPlay ^{*2} is started on the iPhone and audio is output and then the volume is changed on the multimedia system, the audio of the incompatible application stops and the system resumes playback on the original music application.	This operation is in accordance with the specifications of the multimedia system, and is not a malfunction.
During audio playback on the multimedia system (such as FM), if interrupt audio is output from an app that is not compatible with Apple CarPlay ^{*2} , the system does not return to the original audio source.	This operation is in accordance with the specifications of the multimedia system, and is not a malfunction. Manually change the audio source. Alternatively, avoid using apps that are not compatible with Apple CarPlay ^{*2} . Some navigation apps are compatible beginning with iOS 12. Update iOS and apps to the latest versions.
While using Apple CarPlay, the route guidance arrow and turn-by-turn navigation are not displayed on the multi-information display.	This function may not be displayed depending on the multi-information display specifications or the map application being used.
While using Android Auto, the route guidance arrow is not displayed on the multi-information display.	
While using Android Auto, turn-by-turn navigation is not displayed on the multi-information display or the multimedia system screen.	This is not a malfunction as display of these items is not possible with this function.

Symptom	Solution
While using Android Auto, hands-free call audio cannot be heard from the vehicle's speakers.	End current call.
	Disconnect the USB cable from the smartphone and try using hands-free calling. Check whether audio can be heard now.
	Increase the volume on the multimedia system and check whether hands-free call audio can be heard. Try using another smartphone. Check whether audio can be heard now.
The phone was connected after Android Auto was stopped.	This operation is in accordance with the specifications of the multimedia system, and is not a malfunction.

*1: If equipped

*2: Apps that are not compatible with Apple CarPlay are the apps installed on an iPhone that are not displayed in the app list on the Apple CarPlay screen.

4-1. Navigation system

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About the use of map information provision services using Wi-Fi®

- Services which use Wi-Fi® (herein referred to as “these services”) can be used for free within a certain validity period*¹ which begins when the vehicle which this multimedia system is installed is first purchased.
- These services include those provided by third-party service providers as follows.
- Traffic congestion information: The time when the vehicle is connected, etc., and position information is sent to TomTom Global Content B.V. (herein referred to as [TomTom]). Based on the information received, TomTom will provide online services, including sending of traffic congestion information, which is displayed on this multimedia system.
- Facility information/nearby information: Searched for facility names and position information will be sent to HERE Global B.V. (herein referred to as [HERE]). Based on the information received, HERE provides online services, including sending of facility information and nearby information, which is displayed on this multimedia system.
- To use these services, after connecting the multimedia system to a Wi-Fi® access point and acknowledging the precautions, privacy policy, or terms of service for each service provider*² displayed on the screen, touch [Agree] on the pop up screen.

TomTom	https://www.tomtom.com/en_gb/legal/eula-automotive/ https://www.tomtom.com/en_us/privacy/
HERE	https://legal.here.com/terms/ https://legal.here.com/privacy/policy

- Toyota Motor Corporation and its affiliates do not guarantee the operation, quality, accuracy of information provided, or make any other guarantees regarding these services, and are not liable for any damages to the user caused by the content of, delays in, or interruption of these services.

Services provided through this multimedia system may be subject to change, discontinuation, or suspension without notice.

*¹: The expiration date can be checked on the navigation system settings screen. For details, refer to the navigation system settings screen. If you wish to continue using the services after the expiration date, contact your Toyota dealer.

*²: For the terms of service for the ser-

vices of each service provider, refer to the following URL.

Connected navigation *

*: This function is not available in some countries or areas.

Connected navigation is a wireless communication based navigation service using updated map data and destination information obtained from the Toyota Smart Center. To use this service, it is necessary to enter a Toyota Smart Center subscription contract.

- Displays updated map, obtained from the Toyota Smart Center, of the area near your current location. During the route guidance, obtains updated map of the area along the route.
- The Toyota Smart Center searches for the optimum route on a regular basis, including while the route guidance is taking place, and proposes a new route if more time-saving route to the destination is found.

Connected navigation (with built-in navigation system)

As the vehicle device has navigation map data, this service uses it in areas where it is not possible to communicate with the Toyota Smart Center and displays the vehicle navigation map and searches for routes. When the vehicle enters a good communication

environment, communication with the Toyota Smart Center will begin automatically, and the connected navigation will display the map and search for routes.

being able to be displayed.

- When a destination is set, a route will automatically be searched for by the Toyota Smart Center. Routes sent from the Toyota Smart Center are indicated by [].
- When a Toyota Smart Center subscription contract has not been entered, the vehicle navigation system is available for map display and route guidance.

Connected navigation (without built-in navigation system)

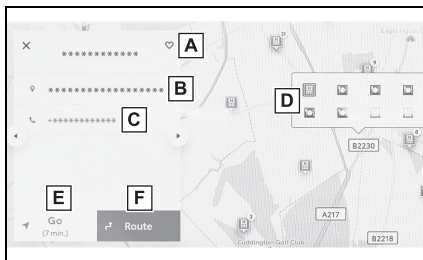
As the vehicle device does not have navigation map data, this service displays temporarily stored map in areas where it is not possible to communicate with the Toyota Smart Center. Navigation functions, such as route search, may not be able to be used in a poor communication environment.

- When a Toyota Smart Center subscription contract has not been entered, navigation functions are not available, and the compass screen will be displayed.
- Temporarily stored map is available for square area of side approx. 80 km (50 mile) centered around your vehicle and area along the route (when a destination is set). If poor communication status persists for a certain period in the area outside of the map stored area, the navigation functions will be limited further, such as the map not

Displaying information for a point

Information for a selected point or POI on the map screen can be checked.

- 1 Touch POI or touch and hold a desired point.
 - If a desired point is selected, the address for the point will be displayed. Touch [♥] to register the selected point as a favorite.
- 2 Touch the desired item.



- A Touch to register the point as a favorite.
- B Displays detailed the address for the selected point.
- C Touch to call the phone number registered to the POI.
- D If multiple POIs exist at the same point, a list of POIs will be displayed.

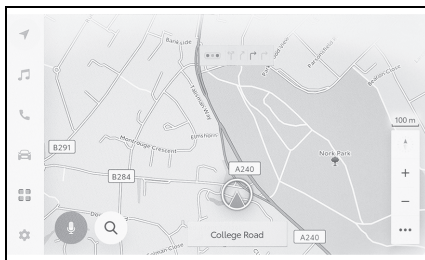
Touch to change the display to the information of the corresponding POI. This can also be changed by switching with [◀] [▶] of the information display.

- E Touch to set the point as a destination and start route guidance.
- F Touch to set the point as a destination and display the full route map screen. If another destination has already been set, destinations can be added as waypoints.

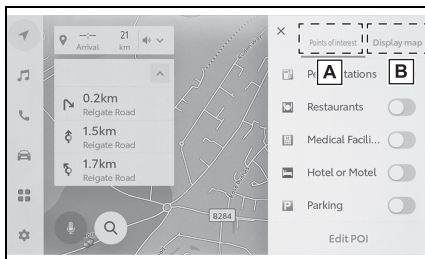
Map options screen

Information displayed on the map, such as POI icons, traffic information, etc., can be set.

- 1 Touch [•••] on the map screen.



- 2 Touch [Points of interest] or [Display map].

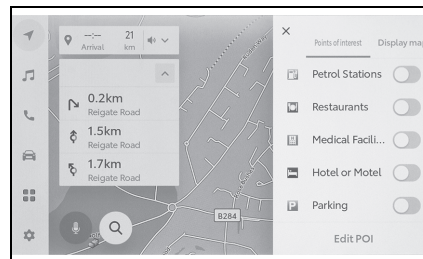


- A** The POI icons displayed on the map can be set. (→P.118)
- B** The information displayed on the map can be set. (→P.119)

Displaying POI icons

POI icons, such as for restaurant, etc., can be displayed on the map.

- 1 Touch [•••] on the map screen.
- 2 Touch [Points of interest].
- 3 Touch the POI you wish to display on the map screen.



- To set a genre of POI other than those displayed, touch [Edit POI].

- POIs which are not included in the map data cannot be displayed.
- When the map scale is set to higher than 1km (0.6miles) POIs will not be displayed.
- Only POIs which are within an approximately 10 km (6miles) radius of the current position mark [📍] or [📍] can be displayed (Up to 200 POIs).
- When the map scale is set to 1km (0.6miles) or lower, if the number of POIs to display exceeds a certain amount, the display will change to a simple display (In order to make the roads easier to see).
- The display of nearby POIs can also be set on the detailed navigation settings screen.

Setting displayed POI icons

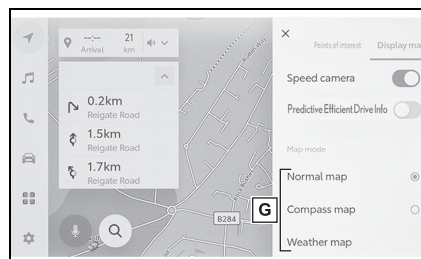
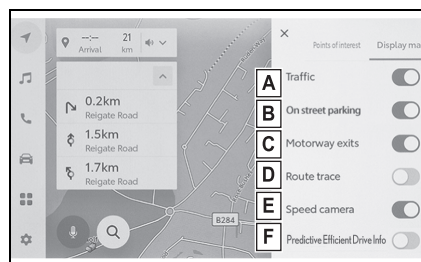
Changes to options is limited while driving.

- 1 Touch [⋮] on the map screen.
- 2 Touch [Points of interest].
- 3 Touch [Edit POI].
- 4 Touch the registered POI you wish to replace.
- 5 Touch a new POI to register.

Map display settings

Traffic information, etc. can be displayed on the map screen.

- 1 Touch [⋮] on the map screen.
- 2 Touch [Display map].



- A Touch to change the display of traffic information between displayed/hidden. (→P.121)
- B Touch to change the display of nearby on street parking between displayed/hidden. (→P.120)
- C Touch to change the display of Motorway exits between displayed/hidden.
- D Touch to change the display of the driven route (route trace) between displayed/hidden. When changed to hidden, a

popup asking to confirm the deletion of stored information will be displayed. (→P.120)

E Touch to change the display of speed camera between displayed/hidden. *1, 2 (→P.120)

F Touch to change the display of predictive efficient drive between displayed/hidden. *2, 3

G Touch to change the map display from Normal Map, Compass Map, and Weather Map.

*1: With built-in navigation system

*2: This function is not available in some countries or areas.

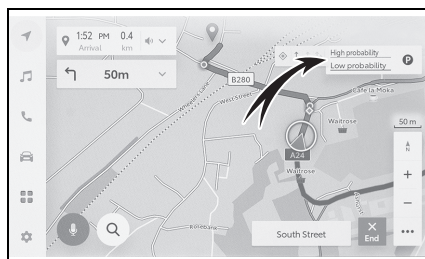
*3: Vehicles with hybrid system

On-street parking *

*: This function is not available in some countries or areas.

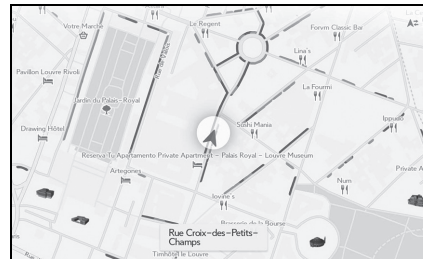
If [On street parking] is set to on in the map display settings, on street parking near the vehicle will be displayed.

1 Touch [P] on the map screen.



On street parking is displayed on the map. Depending on the availability of parking, the displayed

color will change.



● On street parking will not be displayed when the map scale is 1/5,000 or more (scale display is 50 m (150 ft.) or more).

Displaying the driven route (route trace)

Approximately 1000 km (600miles) of a driven route can be saved and displayed.

- 1 Touch [•••] on the map screen.
- 2 Touch [Display map].
- 3 Touch [Route trace].

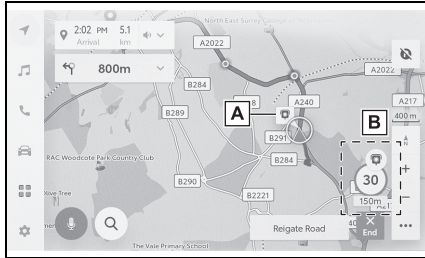
● If the driven distance saved exceeds the limit, the oldest route trace will be deleted and the newest route trace will be saved.

● The driven route can be displayed with a map scale between 1/2,500 and 1/5,120,000.

Speed cameras *

*: With built-in navigation system only. This function is not available in some countries or areas.

Speed cameras can be displayed as icons on the map.



- A** Speed camera location on the map.
- B** Displays information about the speed camera icon and distance to speed camera.

- The above items will be displayed depending on the map scale.
- The above items will be displayed depending on the available map data.
- The displaying of the above items can be switched off.
- Depending on content management conditions, the actual location of cameras may not be displayed.

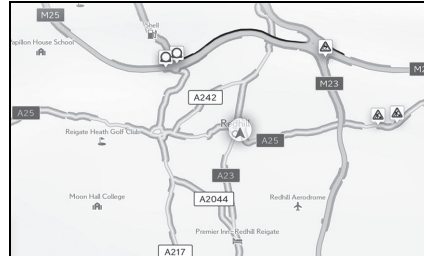
Traffic Information

Traffic data can be received via IP-Traffic to display traffic information on the map screen.

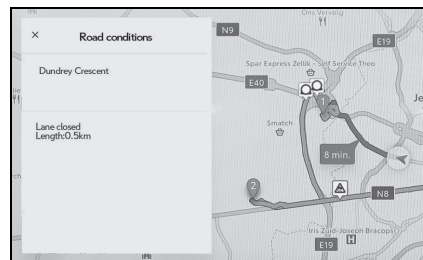
To use this function, it is necessary for the Toyota Smart Center usage contract.

- 1 Touch [•••] on the map screen.

- 2 Touch [Traffic].



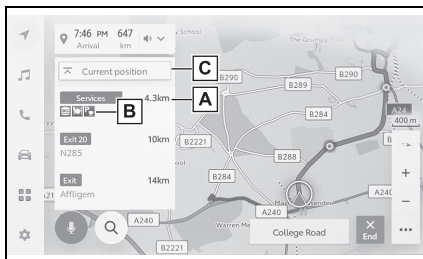
- Traffic information will be displayed on the map screen.
- Icons are used to indicate traffic information, such as construction and accidents.
- The arrows indicate the flow of traffic. The color changes depending on the speed.



- If the traffic incident icon is selected, details about the selected traffic incident can be displayed.

About highway mode

When a highway or expressway is entered, the display will automatically change to the highway mode display.

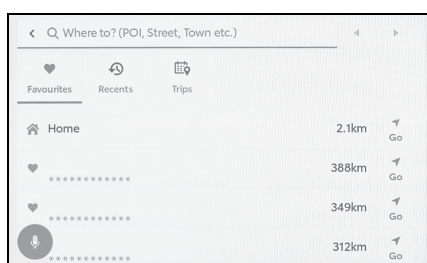


- A** Displays the distance from the vehicle's current position.
- B** Displays up to 8 POIs for a facility.
 - If there are more than 8 POIs, a mark indicating undisplayed POIs will be displayed.
- C** When the displayed segment has been changed, touch to return the map to the segment being driven on.

Searching for a destination

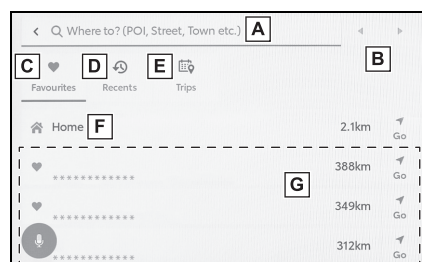
A destination can be searched for and set on the destination search screen.

- 1 Touch [Q] on the map screen.
- 2 The destination search screen will be displayed. Touch the desired search method.



- 3 The search result list screen is displayed. Touch the item you want to set as the destination from the list.
 - If a destination has already been set, touch [New Destination] (set a new destination) or [Add to Route].
 - When the connected navigation is used, destinations can also be searched using content on the cloud. (This function is not made available in some countries or areas.)

Destination search screen



- A Touch to search using a location name, address, or phone number. (→P.124)
- B Touch to move the text cursor.
- C Touch to display a list of all points registered as a favorites. (→P.124)
 - This can only be used if a point has been registered as a favorite.
- D Touch to display a list of points from the destination history (previously set destinations).
 - This can only be used if destination history exists.
- E Touch to display a list of the destinations of the Drive Plan sent in advance from a smart-phone.
- F Starts a route search with your home as the destination. (→P.124)
 - If a home is not registered, it can be registered by touching [🏠].
- G If the name of a destination is touched, the full route map

screen will be displayed. Touch [Go] to start route guidance immediately.

Searching through character entry

A destination can be searched for by entering a location name, address, or phone number.

- 1 Touch [Q] on the map screen.
 - 2 Touch [Where to? (POI, Street, Town etc.)].
 - 3 Enter the location name, address, phone number, etc. and touch [Go]. (→P.23)
- Potential destinations are searched for and displayed with each entered character.
 - According to the input characters and based on previously searched for terms, the destination history, and favorites, predictive search terms will be displayed.
 - If a search does not turn up any results due to a possible typo, a potentially correct search term will be displayed.
 - If the number of input characters exceeds the character limit, the excess characters will be deleted.

Setting home as destination

- 1 Touch [Q] on the map screen.

- 2 Touch [Home].

Touch [Go] to start route guidance immediately.

Setting up home

- 1 Touch [Q] on the map screen.
- 2 Touch [Home].
- 3 Move the map to the location you wish to register and touch [OK].

Setting a favorite as the destination

- 1 Touch [Q] on the map screen.
- 2 Touch the desired favorite.
- If the name of a destination is touched, the full route map screen will be displayed.

Touch [Go] to start route guidance immediately.

- Registered favorite points can also be searched for by entering their name.

Searching through destination history

- 1 Touch [Q] on the map screen.
- 2 Touch [Recents].
- 3 Touch the desired destination from the destination history.
- If the name of a destination is touched, the full route map screen will be displayed.

Touch [Go] to start route guidance

immediately.

Searching through Drive Plan^{*1, 2}

^{*1}: This function may not be available immediately after purchase of the vehicle.

^{*2}: This function is not made available in some countries or areas.

When a drive plan (destination, departure time, etc.) has been set using a smartphone, the vehicle navigation system is notified of the drive plan after entering the vehicle, and a destination can be set by selecting the registered drive plan.

To use this function, a driver must be registered. (→P.42)

1 Touch [Q] on the map screen.

2 Touch [Trips].

3 Touch the desired Drive Plan.

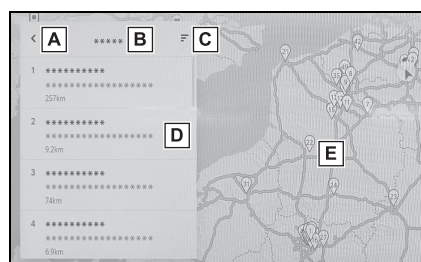
- If the name of a destination is touched, the full route map screen will be displayed.

Touch [Go] to start route guidance immediately.

- If the vehicle is parked far from the destination, the destination set in the vehicle navigation system can be sent to the smartphone navigation application.

Search result list screen

When searching for a destination, if there are multiple search results, a destination list will be displayed.



A Touch to return to the previous screen.

B Displays the input characters for the search.

C Touch to display the search options.

D Displays the search results list. Potential destinations within a location will also be displayed.

E Displays the position of the items in the currently displayed list on the map.

- After scrolling the map, if [Search this area] is touched, a destination can be searched for within the area scrolled to.

Search options

The displayed range and order of the search result list can be changed.

- 1 Touch [≡] on the search result list screen.
- 2 Set search options.
- 3 Touch [Complete] to complete changing settings.

Adding a waypoint

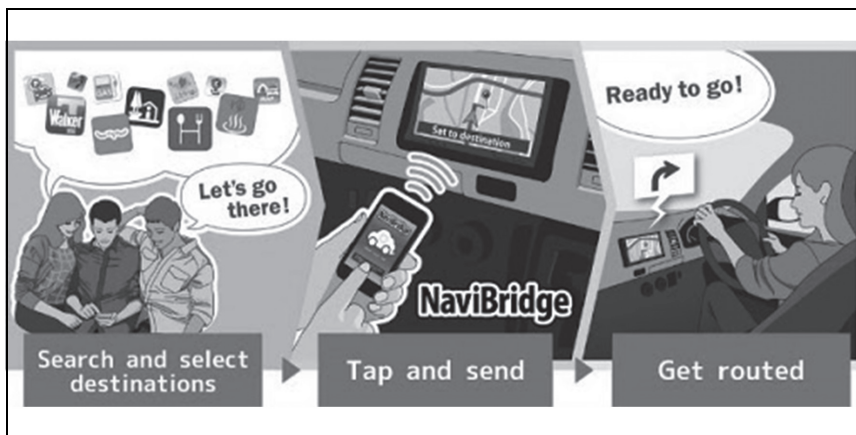
If a destination has already been set, new destinations can be added as waypoints.

- 1 With a destination already set (→P.123), search for a destination.
 - A message is displayed when you try to set a destination.
 - [New destination]: Delete the currently set destination and begin searching for a route to the new destination.
 - [Add to route]: Add the selected point as a waypoint and begin searching for a route to the destination.
-
- A waypoint can be added by touching any point on the map screen.
 - Up to 10 destinations, including waypoints, can be set.
 - The most recently added waypoint will be set as the first destination. The order of the destinations can be changed by editing the waypoints. (→P.132)

Setting destinations from your smartphone

NaviBridge

NaviBridge* is a “Send To Car” app that can easily send destinations searched for with keyword search and a wide variety of compatible apps on your smartphone to your vehicle navigation system, and automatically sets it as the destination for navigation.



4

Navigation

NaviBridge (for iOS/Android) is available for free download.

Refer to the following website for detailed information such as download methods.

NaviBridge support website: <https://www.navicon.com/navibridge/support>



► Connection methods:

Connection method	iOS device	Android device
Bluetooth® (Wireless)	○	○
USB (Wired)	○	×

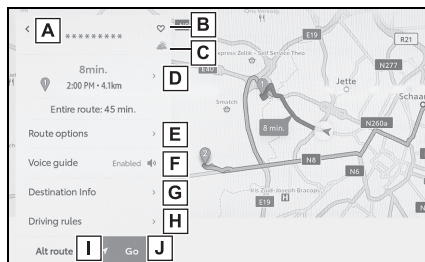
► Available functions:

Destination setting	Multiple destinations	Map operation	Sharing locations with friends
○	○	×	×

* : NaviBridge is a registered trademark of DENSO Corporation.

Full route map screen

After setting a destination, the full route map screen will be displayed. On the full route map screen, the desired route can be selected or the route information can be checked.



- A** Displays the name or address of the destination.
- B** Touch to register the destination as a favorite.
- C** Displays the current weather at the destination. ^{*1}
- D** Displays the distance, travel time, and estimated time of arrival from the starting point to the destination.
 - When multiple destinations are set, touch to display a list of the estimated time of arrival for each destination.
- E** Touch to display the route options. (→P.130)
- F** Touch to mute voice guidance.
- G** Touch to display detailed information about the destination.
- H** Touch to display driving restric-

tions information. ^{*2}

If there are driving restrictions (exhaust restrictions or ecological vehicle sticker required segments) along a route, the restriction details can be checked.

Restriction information can be switched

by touching [◀] or [▶].

I Touch to select another route. (→P.131)

J Touch to start route guidance. Touch and hold to start a demo of route guidance to the destination. (→P.130)

^{*1}: This function is displayed when using Connected navigation.

^{*2}: With built-in navigation system

Viewing a route guidance demo

Before route guidance is started, a demo of the route guidance can be viewed.

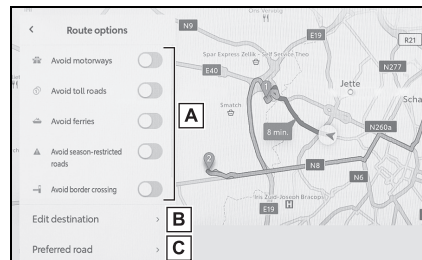
- 1 Touch and hold [Go] on the full route screen.

To end the demo, touch [↖] or begin driving.

Changing route options

The route search conditions can be changed, such as to avoid routes that include tolls or expressways.

- 1 Touch [Route options] on the full route map screen.
- 2 Change the setting of the item for the desired condition.



- A** Touch to change between avoiding/not avoiding specific types of roads. Route guidance will be performed avoiding types of roads which are set to on.
- B** Touch to change the order of set waypoints. (→P.132)
- C** Touch to add, delete, or change waypoints on the route.

Changing the route

A desired route can be selected from several routes with different conditions.

- 1 Touch [Alternative route] on the full route map screen.
- 2 After selecting the desired route, touch [OK].

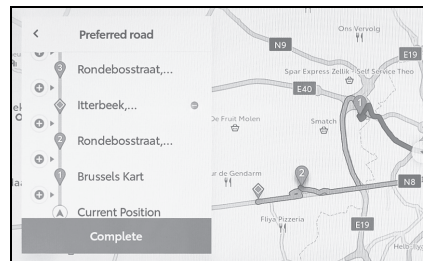
- New alternative routes will be delivered sequentially.*
- Changes the route by touching the route directly on the map screen of full route map screens.

*: This function is displayed only when using Connected navigation.

Setting points to pass through on a route

After setting a destination, points to pass through on a route can be set.

- 1 Touch [



- 2 Touch the point you want to add as a waypoint on the map and touch [OK].

[

Editing waypoints

Waypoints can be deleted or their order set on the route can be changed. (→P.123)

- 1 Touch to display [Move up] and [Move down] and change the order of the waypoints.

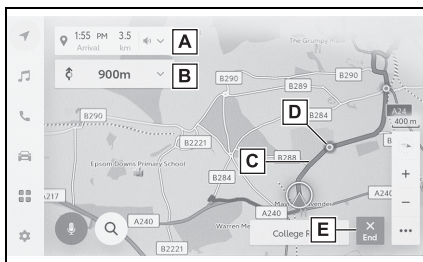
[]: Delete the corresponding waypoint.



- 2 Touch [OK].

Route guidance screen

Easy to understand, vocal and visual guidance are provided during route guidance at relevant points, such as intersections and junctions.



A Displays the distance and estimated time of arrival from the current position of the vehicle to the destination.

If the route has been deviated from, the estimated time of arrival will not be displayed. Instead, the straight line distance to the destination will be displayed.

Touch to display the full route map screen.

B Displays the distance to the next turn and the turn direction.
(→P.134)

Touch to display a lane list up to the destination.

C Display the route to the destination.

For setting the display color of the route, refer to (→P.64)

D Displays the nearest intersec-

tion/junction to be passed or turned at during route guidance.

E Touch to end route guidance. When multiple destinations have been set, touch [Delete destination] to delete all destinations and stop route guidance, and touch [Delete next destination] to delete only the next destination and continue route guidance.

- If the route cannot be searched for, a message will be displayed on the screen.
- When map data is not available, a compass screen will be displayed:*

*: Only when using Connected navigation (without built-in navigation system)

Lane display screens

During route guidance, when approaching an intersection/junction which is to be turned at, a enlarged intersection display will be displayed.

Enlarged intersection display

Intersection guidance is output when approaching an intersection which is to be turned at. Also, an enlarged display of the intersection will be displayed just before the intersection.



- A** Displays the names of roads which are passed through or turned at.
- B** Displays the distance from the current position
- C** Closes the enlarged intersection display.
- D** Displays the remaining distance bar to the guidance point.

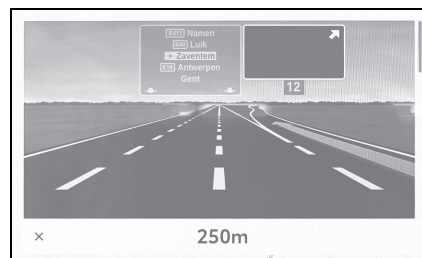
- The enlarged intersection display will not be displayed for intersections which there is no information in the

map data.

- The displayed enlarged intersection display may differ from the actual intersection.
- Intersection guidance may not be output immediately after beginning route guidance.
- The enlarged intersection display may be displayed late or early.
- When intersections which are to be turned at are close to each other, the enlarged intersection display will be displayed continuously.
- The enlarged intersection display will be displayed for intersections to be turned at. Intersection guidance will not be output for intersections before the intersection to be turned at.
- The remaining distance displayed on the enlarged intersection display and displayed on the multi-information display may differ.
- The enlarged intersection display displayed on the navigation system display and displayed on the multi-information display differ.

Enlarged 3D display

In order to make a turn easier to understand during route guidance, an enlarged 3D display which matches the surroundings of the intersection may be displayed.



- This is displayed at points for which information is available in

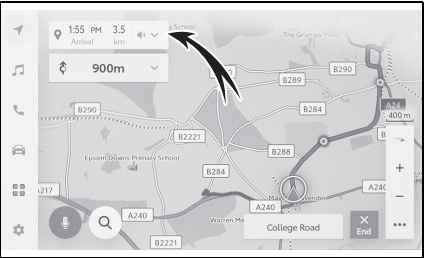
the map data.

Touch [X] to cancel the enlarged display.

Searching for a route again

During route guidance (even when the route has been deviated from), the route can be searched for again.

- 1 Touch [∨] on the map screen.



- 2 Touch [Route options] or [Alternative route].
- 3 Touch the search conditions.
- 4 Touch [OK].

Typical voice guidance prompts

As the vehicle approaches an intersection, or point, where maneuvering the vehicle is necessary, the navigation system's voice guidance (→P.74) will provide various messages.

- Voice guidance may be made early or late.
- If the navigation system cannot determine the current position correctly, you may not hear voice guidance or may not see the magnified intersection on the screen.

**WARNING**

- Be sure to obey the traffic regulations and keep the road condition in mind especially when you are driving on IPD roads (roads that are not completely digitized in our database). The route guidance may not have the updated information such as the direction of a one way street.

Map database version and covered area *

*: With built-in navigation system

Coverage areas and legal information can be displayed and map data can be updated.

Displaying map information

- 1 Touch [⚙️] on the main menu.
- 2 Touch [Navigation].
- 3 Touch [Map Update].
- 4 Check that the map information screen is displayed.



- A** Touch to display map coverage areas and map version.
- B** Touch to update map.
- C** Touch to display legal information.

For map data updates, contact your Toyota dealer.

5-1. Radio operation

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Listening to the radio

Switch to your preferred frequency and listen to the radio.

- When a stereo broadcast is received, the broadcast switches to the stereo broadcast automatically.
- If the signal becomes weak, the radio reduces the amount of channel separation to prevent the weak signal from creating noise. If the signal becomes extremely weak, the radio switches from stereo to mono reception.

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch [FM].
- 4 Select the station selection method as necessary.

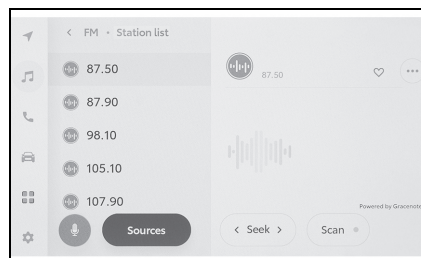
[Presets]: Select the broadcasting station from the stations registered in the presets.

[Station list]: Select the broadcasting station from the broadcasting station list.

[Direct tune]: Select the broadcasting station by entering a frequency with the numeric keypad.

- 5 Operate the radio that is being received as necessary.

- Perform operations from the screen



[Seek]: Touch [] or [] to automatically select the broadcasting station closest to that position with the best reception sensitivity. Touch and hold to jump to the next frequency with available radio signal. When released, the broadcasting station closest to that position with the best reception sensitivity is selected automatically.

[Scan]: Search for broadcasting stations while moving automatically toward higher frequencies.

When a broadcasting station is received, it can be monitored for about 5 sec. Touch to continue listening to this broadcasting station.

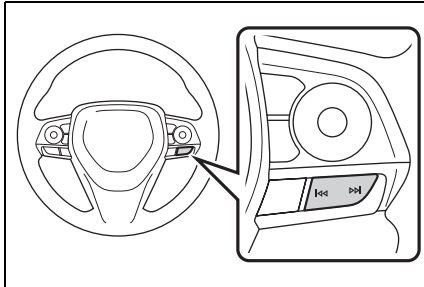
[]: Registers the received broadcast station in the preset. When registered, touch to cancel.

[]: Displays the settable items. (→P.78)

- [Radio text]: Displays the radio text distributed by the FM broadcasting station.

Preset buttons or station list of sub menu: Receives the selected broadcasting station.

- Operating with the steering switches



[<<]/[>>] switches

When selected from the “Presets” screen, switch the frequencies or broadcasting stations registered in the preset buttons in order.

When selected from the “Station list” screen, switch the broadcasting stations displayed in the station list.

When selected from the “Direct tune” screen, automatically selects the broadcasting station closest to that position with the best reception sensitivity.

Press and hold to switch frequencies. When released, the broadcasting station closest to that position with the best reception sensitivity is selected automatically.

Listening to DAB

Switch to preferred frequency and listen to DAB.

This function is not available in some countries or areas.

- The time playable with time shift varies depending on the recorded bit rate of DAB, DAB unit memory size, and time of starting broadcast reception.

- 1 Touch [🎵] from the main menu.
- 2 Touch [Sources].
- 3 Touch [DAB].
- 4 Select the station selection method as necessary.

[Presets]: Select the service from the services registered in the presets.

[Station list]: Select the service from the service list.

[Manual tune]: Select the broadcasting station manually. Select the station by selecting [Ensemble] or [Service].

- 5 Operate the radio that is being received as necessary.

- Operating from the screen



[10]/[10]: Use the time shift function to listen again to the service you are currently listening to. Touch to skip the

playback of the service forward or back by 10 sec. Touch and hold to fast rewind or fast forward.

[Live]: Release time shift to receive the service currently being broadcast.

[]: Registers the currently received service in the preset. When registered, touch to cancel.

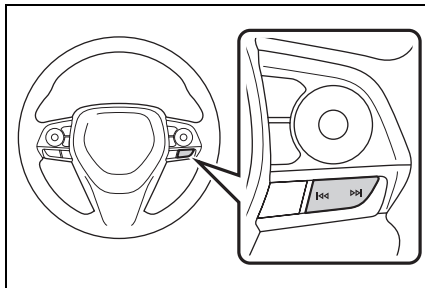
[]: Displays the settable items. (→P.78)

- [Radio text]: Displays the radio text distributed by the DAB.

Preset buttons or station list of sub menu: Receives the selected service.

[]: Switches to the expanded slideshow display. Touch [] to return to the previous screen.

- Operating with the steering switches



[][] switches

When selected from the “Presets” screen, switch the services registered in the preset buttons in order.

When selected from the “Station list” screen, switch the services displayed in the station list.

When selected from the “Manual tune” screen, automatically selects the ser-

vice closest to that position with the best reception sensitivity.

Press and hold to switch services. When released, the service closest to that position with the best reception sensitivity is selected automatically.

**Mounting position of the
radio antenna**

The antenna that receives the radio signals is built-in into the rear roof.

Using internet radio

Information such as the song name, cover art, and station logo is available for the track broadcast on the radio while listening to FM/DAB. This information can be retrieved from the Gracenote server via DCM or Wi-Fi® and displayed. When connected to the internet via DCM or Wi-Fi®, the broadcast connection can switch to the internet if the radio signal reception worsens. This enables continued listening of the same broadcast.

This function is not available in some countries or areas.

- Not all broadcasting stations are necessarily supported.
- Internet radio can be received when the radio signal reception deteriorates.
- When using the internet radio, the broadcast switches to the analog broadcast automatically once the radio signal has been receivable for a certain continuous period.
- Turning the internet radio on and off or changing the switchover between automatic and manual when using internet radio in the settings. (→P.74)

Precautions for play-back of USB flash drive

Pay special attention to the following information about playing a USB flash drive. Refer to “Information about media that can be used” for the USB memory devices that can be used by the multimedia system. (→P.258)

- Removing a USB flash drive or disconnecting a connected device during playback may cause noise to be output.
- When a USB flash drive is connected and the source is switched from another source to the USB flash drive, the first file on the drive is played. If the same USB flash drive (without its contents changed) is inserted again, playback will be started from the previously played song.
- Reading a file in an unsupported format may affect operations. (→P.258)
- When a USB hub is used to connect multiple devices, devices other than the first device to be recognized cannot be used.

 WARNING

- For safety reasons, the driver should not operate the USB flash drive while driving.

 NOTICE

- Do not leave a USB flash drive inside the vehicle. The inside of the vehicle can become hot, which could cause the USB flash drive to malfunction.

- Do not push down on or subject the connected USB flash drive to unnecessary pressure. The USB flash drive or port may be damaged.
- Keep the port free of foreign matter. The USB flash drive or port may be damaged.

Playback of MP3/WMA/AAC/WAV/FLAC/ALAC/Ogg Vorbis

When a USB flash drive storing MP3/WMA/AAC/WAV/FLAC/ALAC/Ogg Vorbis files is connected, first all the files on the USB flash drive are checked. (→P.264)

It is recommended that no files other than MP3/WMA/AAC/WAV/FLAC/ALAC/Ogg Vorbis files and no unnecessary folders are written onto the USB flash drive. This ensures that the USB flash drive check finishes quickly.

- Many types of encoder software, such as freeware, are available in the market for MP3/WMA/AAC/WAV/FLAC/ALAC/Ogg Vorbis. Depending on the encoder condition or file format, audio quality deterioration or noise at playback start may occur, or playback may not be possible.



NOTICE

- Do not add an incorrect extension to a file. Adding an extension to a file that does not match the file contents may result in files being incorrectly recognized and played. This will output a loud noise that may damage the speakers.

Incorrect examples:

- Adding the “.mp3” extension to a file that is not MP3
- Adding the “.wma” extension to a file that is not WMA

Playing music files on a USB flash drive

Play music files on a USB flash drive connected to the USB port to enjoy music. When a USB flash drive is connected, a button with the device’s name is displayed on the source selection screen. This may not be displayed for some devices.

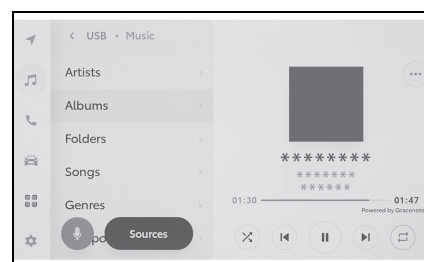
Connect the USB flash drive.

(→P.31)

- 1 Touch [] from the main menu.
- 2 Touch [Sources].
- 3 Touch the device name or [USB].

If there are no video files on the USB flash drive, go onto Procedure 5.

- 4 Touch [Music].
 - 5 Operate the USB flash drive that is playing as necessary.
- Operating from the screen



[]: Performs random playback.

Each time this is touched, the mode switches between random playback for all files or tracks, random playback can-

celed, and random playback of the currently playing folder or album.

[]: Plays the currently playing file or track from the beginning. When at the start of the file or track, the previous file or track will play from the beginning. Touch and hold to fast rewind. Release to start playback from that position.

[]: Pauses playback.

[]: Plays

[]: Switches the files or tracks.

Touch and hold to fast forward. Release to start playback from that position.

[]: Performs repeat playback.

Each time this is touched, the mode switches in order from repeat the currently playing file or track, repeat playback of the currently playing folder or album, and repeat playback of all files or tracks.

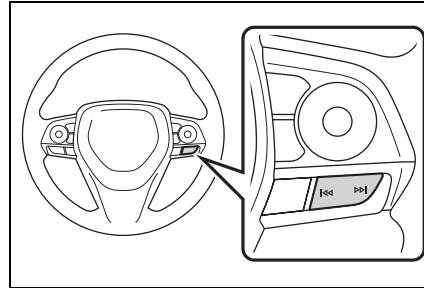
[]: Displays the settable items. (→P.78)

List of sub menu: Selects a track from the following conditions.

- [Artists]: Select a track by artist name.
- [Albums]: Select a track from the album name.
- [Folders]: Select a track from the folder name.
- [Songs]: Select a track from the song name.
- [Genres]: Select a track from the genre.

- [Composers]: Select a track from the composer name.

● Operating with the steering switches



[]/[] switches

Switches the files or tracks.

Press and hold to fast forward or fast rewind. Release to start playback from that position.

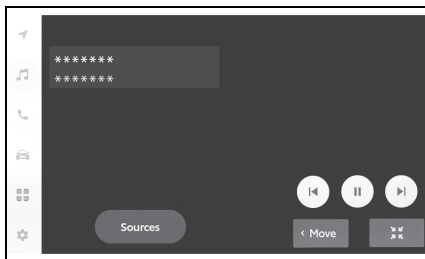
Playing video files on a USB flash drive

Play video files on a USB flash drive connected to the USB port to enjoy music or videos. When a USB flash drive is connected, a button with the device's name is displayed on the source selection screen. This may not be displayed for some devices.

Connect the USB flash drive.
(→P.31)

- 1 Touch [🎵] from the main menu.
 - 2 Touch [Sources].
 - 3 Touch the device name or [USB].
 - 4 Touch [Video].
 - 5 Operate the USB flash drive that is playing as necessary.
- Operating during full screen display

Touch the screen to display the operation buttons.



[⏮]: Plays the currently playing file from the beginning.

When at the start of the file, the previous file will play from the beginning.

Touch and hold to fast rewind the video. Release to start playback from that position.

[⏸]: Pauses video playback.

[▶]: Plays the video.

[⏭]: Switches the files.

Touch and hold to fast forward the video. Release to start playback from that position.

Touch and hold while the video is paused to perform slow playback.

[Move]: Moves the operation buttons.

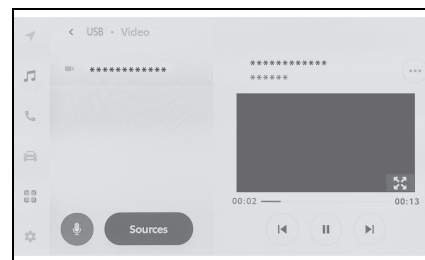
Move the operation buttons when they overlap and make the video difficult to see.

[⏏]: Displays the operation screen.

- Operating from the operation screen

To display the operation screen, touch

[⏏] on the full screen display.



[⏮]: Plays the currently playing file from the beginning.

When at the start of the file, the previ-

ous file will play from the beginning.
Touch and hold to fast rewind the video. Release to start playback from that position.

[]: Pauses video playback.

[]: Plays the video.

[]: Switches the files.

Touch and hold to fast forward the video. Release to start playback from that position.

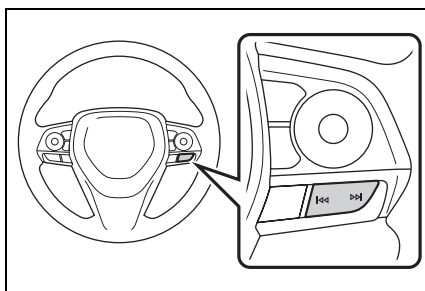
Touch and hold while the video is paused to perform slow playback.

[]: Switches to full screen display.

[]: Displays the settable items.
(→P.77, 78)

Folder names or file names of sub menu: Touch a folder name to select the folder, and touch a file name to change the playback file.

● Operating with the steering switches



[]/[] switches

Switches the files.

Press and hold to fast forward or fast rewind the video. Release to start play-

back from that position. Press and hold the [] switch while full screen the video is paused to perform slow playback.

Precautions for playback of iPod/iPhone

Pay special attention to the following information about playing iPod/iPhone. Refer to “iPhone/iPod information” for the iPod/iPhone that can be used by the multimedia system. (→P.262)

- Keep the port free of foreign matter. The iPod/iPhone or the port may be damaged.

- Disconnecting a port or disconnecting a connected device while in iPod/iPhone mode may cause noise to be output.
- When a USB hub is used to connect multiple devices, devices other than the first device to be recognized cannot be used.
- When switching from a different source to an iPod/iPhone while the iPod/iPhone is connected, playback will be started from the previously played track. Playback may not start for some devices.



WARNING

- For safety reasons, the driver should not operate the iPod/iPhone while driving.



NOTICE

- Do not leave the iPod/iPhone inside the vehicle. The inside of the vehicle can become hot, which could cause the iPod/iPhone to malfunction.
- Do not push down on or subject the connected iPod/iPhone to unnecessary pressure. The iPod/iPhone, or the port, may be damaged.

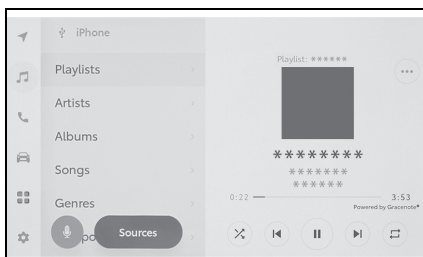
Playing iPod/iPhone

Play back music files on an iPod/iPhone connected to the USB port. When an iPod/iPhone is connected, a button with the device's name is displayed on the source selection screen. This may not be displayed for some devices.

- Depending on the generation and model of iPod/iPhone that is connected, the cover art image may look grainy or list scroll display may be slow.
- Some operations may not be available or they may operate differently, depending on the generation and model of iPod/iPhone that is connected.

Connect an iPod or iPhone.
(→P.31)

- 1 Touch [🎵] from the main menu.
 - 2 Touch [Sources].
 - 3 Touch the device name or [USB].
 - 4 Operate an iPod/iPhone that is playing as necessary.
- Operating from the screen



[⌘]: Performs shuffle playback.

Each touch switches the shuffle setting.*

[⏮]: Plays the currently playing track from the beginning.

When at the start of the track, the previous track will play from the beginning.

Touch and hold to fast rewind. Release to start playback from that position.

[⏸]: Pauses playback.

[▶]: Plays.

[⏭]: Switches the tracks.

Touch and hold to fast forward. Release to start playback from that position.

[🔁]: Performs repeat playback.

Each touch switches the repeat setting.*

[⋮]: Displays the settable items.
(→P.78)

List of sub menu: Selects a track from the following conditions.

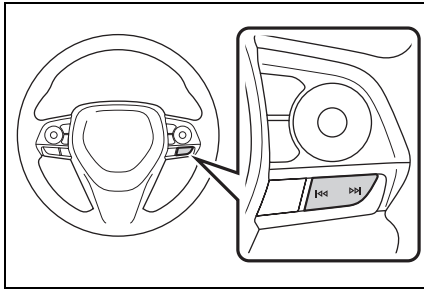
- [Playlists]: Select a track from the playlist.
- [Artists]: Select a track by artist name.
- [Albums]: Select a track from the album name.
- [Songs]: Select a track from the song name.
- [Genres]: Select a track from the genre.
- [Composers]: Select a track from the

composer name.

- [Radio]: Select a track from the radio station.
- [Audiobooks]: Select a track from the audiobook name.
- [Podcasts]: Select a track from the Podcast name.

*: The order in which shuffle or repeat settings switch depends on the connected device.

- Operating with the steering switches



[◀◀]/[▶▶] switches

Switches the tracks.

Press and hold to fast forward or fast rewind. Release to start playback from that position.

Precautions for playback of Apple CarPlay

Pay special attention to the following information about playing Apple CarPlay. (→P.101)

This function is not available in some countries or areas.

- This function cannot be used while Android Auto is connected.
- Disconnecting a connected device while Apple CarPlay is connected via USB may cause noise to be output.
- When a different source is switched to Apple CarPlay while an iPhone is connected, playback will be started from the previously played track.



WARNING

- For safety reasons, the driver should not operate the iPhone while driving.



NOTICE

- Do not leave the iPhone inside the vehicle. The inside of the vehicle can become hot, which could cause the iPhone to malfunction.
- Do not push down on or subject the connected iPhone to unnecessary pressure. The iPhone or port may be damaged.
- Keep the port free of foreign matter. The iPhone or port may be damaged.

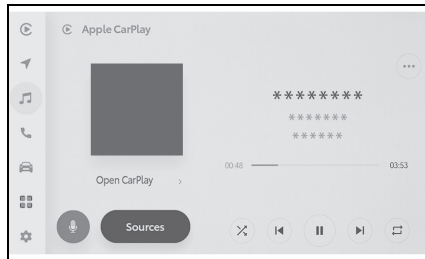
Playing Apple CarPlay

Play music files on an iPhone connected to the USB port or a wirelessly connected iPhone. When Apple CarPlay is connected, a button with the device's name is displayed on the source selection screen. This may not be displayed for some devices.

- Some operations may not be available or they may operate differently, depending on the generation and model of iPhone that is connected.
- In cases such as the track not playing normally or audio skipping, update iOS to the latest version. Updating may resolve the issues.

Connect Apple CarPlay. (→P.81, 103, 105)

- 1 Touch [] from the main menu.
 - 2 Touch [Sources].
 - 3 Touch [Apple CarPlay] (device name).
 - 4 Operate the Apple CarPlay that is playing as necessary.
- Perform operations from the screen



[]: Performs shuffle playback.

Each touch switches the shuffle setting.*

[]: Plays the currently playing track from the beginning.

When at the start of the track, the previous track will play from the beginning.

Touch and hold to fast rewind. Release to start playback from that position.

[]: Pauses playback.

[]: Plays.

[]: Switches the tracks.

Touch and hold to fast forward. Release to start playback from that position.

[]: Performs repeat playback.

Each touch switches the repeat setting.*

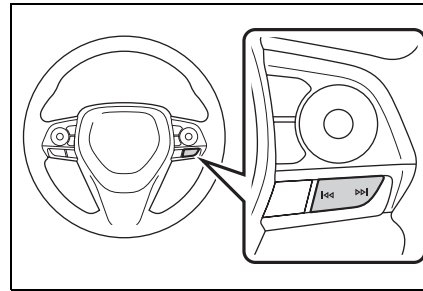
[]: Displays the settable items.
(→P.78)

[Open CarPlay]: Displays the Apple CarPlay screen.

*: The order in which shuffle or repeat settings switch depends on the con-

nected device.

● Operating with the steering switches



[]/[] switches

Switches the tracks.

Press and hold to fast forward or fast rewind. Release to start playback from that position.

Precautions for playback of Android Auto

Pay special attention to the following information about playing Android Auto. (→P.101)

This function is not available in some countries or areas.

- This function cannot be used while Apple CarPlay is connected.
- Disconnecting a connected device while Android Auto is connected may cause noise to be output.
- When a different source is switched to Android Auto while an Android device is connected, playback will be started from the previously played track.



WARNING

- For safety reasons, the driver should not operate the Android device while driving.



NOTICE

- Do not leave the Android device inside the vehicle. The inside of the vehicle can become hot, which could cause the Android device to malfunction.
- Do not push down on or subject the connected Android device to unnecessary pressure. The Android device or port may be damaged.
- Keep the port free of foreign matter. The Android device or port may be damaged.

Playing Android Auto

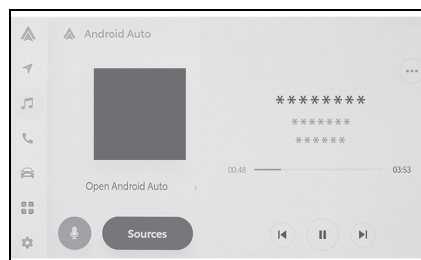
Play music files on an Android device connected to the USB port. When an Android device is connected, a button with the device's name is displayed on the source selection screen. This may not be displayed for some devices.

Connect Android Auto. (→P.81, 108)

- 1 Touch [] from the main menu.
 - 2 Touch [Sources].
 - 3 Touch [Android Auto] (device name).
 - 4 Operate the Android Auto that is playing as necessary.
- Operating from the screen

5

Audio system



[]: Plays the currently playing track from the beginning.

When at the start of the track, the previous track will play from the beginning.

[]: Pauses playback.

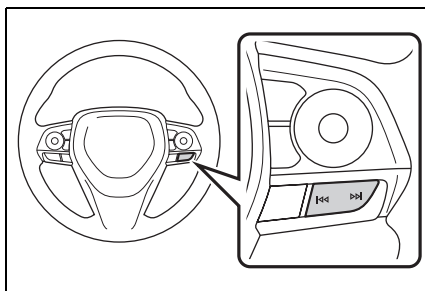
[]: Plays.

[]: Switches the tracks.

[]: Displays the settable items.
(→P.78)

[Open Android Auto]: Displays the Android Auto screen.

- Operating with the steering switches



[]/[] switches
Switches the tracks.

Precautions for Bluetooth® audio playback

Pay special attention to the following information when using Bluetooth® audio playback.
(→P.86)

- Registration of the cellular phone or other Bluetooth® portable audio player (hereafter referred to as portable device) in the multimedia system is required before use. (→P.89)
- Please be aware that some functions may be limited depending on the model of portable device. (→P.266)
- This function cannot be used while Apple CarPlay is connected wirelessly.
- Using simultaneously with a wireless device could negatively affect communication for each.
- When the Wi-Fi® function is enabled in the multimedia system settings, the Bluetooth® audio sound may be interrupted. (→P.79)



WARNING

- For safety reasons, the driver should not operate the portable device while driving.

- The vehicle antenna for Bluetooth® communication is built into the multimedia system.

People using electrical medical devices other than implantable cardiac pacemakers, implantable cardiac resynchronization therapy-pacemakers, or implantable cardioverter defibrillators should consult with their physician and the device manufacturer to determine whether electrical waves could adversely affect devices before use.



NOTICE

- Do not leave the portable device inside the vehicle. The inside of the vehicle can become hot, which could cause the portable device to malfunction.
- Do not use a portable device near the multimedia system. Bringing it too close could cause sound or connection quality to deteriorate.

5

Audio system

Playing Bluetooth® audio

By connecting a portable device, the portable device can be used without operating it directly.

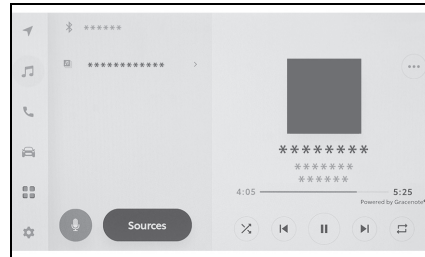
- The following information/buttons may not be displayed depending on the connected portable device.
 - Folder title
 - Song name
 - Album name
 - Artist name
 - Playback time
 - Total time
 - Random
 - Repeat
 - Playback/pause
 - Track up/down
- The following issues may occur depending on the connected device.
 - Operation cannot be performed from the multimedia system.
 - Operation or volume is different.
 - The display of data such as song information or time may differ between the multimedia system and the portable device.
 - The connection may disconnect when playback stops.
- When playing for a long time, the sound may skip.
- The volume while connected may differ depending on the portable device.

A portable device can be connected to the multimedia system.
(→P.92)

- 1 Touch [🎵] from the main menu.
- 2 Touch [Sources].
- 3 Touch the device name or [Bluetooth].

- 4 Operate the Bluetooth® audio that is playing as necessary.

- Operating from the screen



[⌂]: Performs random playback.

Each touch switches the random setting.*

[⏮]: Plays the currently playing track from the beginning.

When at the start of the track, the previous track will play from the beginning.

Touch and hold to fast rewind. Release to start playback from that position.

[⏸]: Pauses playback.

[▶]: Plays.

[⏭]: Switches the tracks.

Touch and hold to fast forward. Release to start playback from that position.

[🔁]: Performs repeat playback.

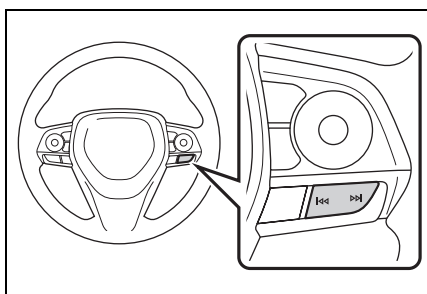
Each touch switches the repeat setting.*

[⋮]: Displays the settable items.
(→P.78)

Folder names or track names of sub menu: Touch a folder name to select the folder, and touch a file name to change the playback file.

*: The order in which random or repeat settings switch depends on the model.

- Operating with the steering switches



[<<]/[>>] switches

Switches the tracks.

Press and hold to fast forward or fast rewind. Release to start playback from that position.

Precautions for playback of Miracast®

Pay special attention to the following information when using Miracast® playback. (→P.97)

- The device is connected via Wi-Fi® (P2P mode).
- This function cannot be used while Apple CarPlay is connected wirelessly.
- This is a best-effort function.
- The displayed names of Miracast® vary depending on the device.
- When the Wi-Fi® network connection is enabled, Wi-Fi® network connection communication and Miracast® communication can affect each other. This may cause image distortion and audio stuttering.



WARNING

- Do not connect or operate a smartphone or tablet while driving.



NOTICE

- Do not leave the smartphone or tablet inside the vehicle. The inside of the vehicle can become hot, which could cause the smartphone or tablet to malfunction.

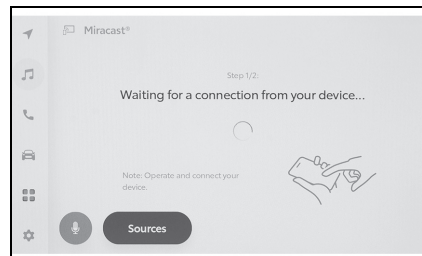
Connecting Miracast®-compatible devices

Android smartphones and tablets that support Miracast® can be connected.

To determine whether a device being used supports

Miracast®, refer to the instruction manual and other documentation included with the device.

- 1 Touch [🎵] from the main menu.
- 2 Touch [Sources].
- 3 Touch [Miracast].
- 4 This makes Miracast®-compatible devices capable of connecting.



- For details on how to operate the device, refer to the instruction manual included with the device.
 - If a connection failed screen is displayed, start the connection procedure over from the beginning.
- 5 Check the device name and then touch [OK].

Playing Miracast®

Music and video from a smart-phone or tablet can be enjoyed via playback on the multimedia system.

- The Miracast® volume may differ depending on the connected device.
- The audio will turn off when the Wi-Fi® connection is disconnected.

Connect a device compatible with Miracast®.

- 1 Touch [🎵] from the main menu.
 - 2 Touch [Sources].
 - 3 Touch [Miracast].
 - 4 Operate the Miracast® content that is playing as necessary.
- Operating during full screen display

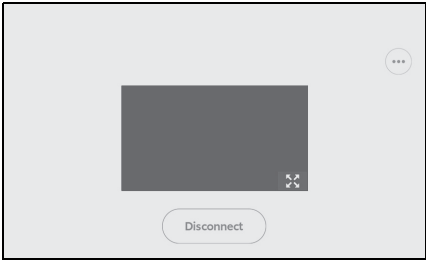
Touch the screen to display the operation buttons.



[Full Screen Icon]: Displays the operation screen.

- Operating from the operation screen
- To display the operation screen, touch

[Full Screen Icon] on the full screen display.



[Settings Icon]: Displays the settable items. (→P.77, 78)

[Full Screen Icon]: Switches to full screen display.

[Disconnect]: Disconnect Miracast®. The audio will turn off.

Hands-free calls

6

6-1. Precautions when using hands-free calls

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Precautions for hands-free calling

By connecting a Bluetooth® cellular phone (hereafter referred to as “cellular phone”) that has been verified with the system, the phone function can be used to make and receive calls without operating the cellular phone directly. This is known as hands-free calling.

A cellular phone must support the multimedia system specifications in order to connect to the system. However, be aware that some functions may be limited depending on the model of cellular phone.

Even while connected to Apple CarPlay or Android Auto, the hands-free phone screen for Apple CarPlay or Android Auto may not be displayed, depending on conditions.

- Observe the following precautions when using the cellular phone with the hands-free function.
 - A cellular phone must be registered to the multimedia system and connected with Bluetooth® before hands-free calling can be used. To use hands-free calling, first register a cellular phone. (→P.89)
 - Make sure the cellular phone is able to utilize the Bluetooth® function.
 - If attempting to make or receive a call during Bluetooth® audio playback, the screen display and dial tone or ringtone sound may be delayed.
- The multimedia system is not guaranteed to operate with all Bluetooth® devices. The following issues may occur depending on the cellular phone model.
 - When the engine switch <power switch> is operated during a hands-free call, the call may be disconnected.
 - The calling screen may not be displayed, or the call screen may be displayed before the other party answers the phone.
 - Even if numbers are entered using the numeric keypad on the calling screen, the tone signal may not be transmitted depending on the cellular phone service provider.
 - After dialing, it may be necessary to perform operations on the cellular phone.
- Hands-free calling may be unavailable in the following situations.
 - When outside of the calling area
 - When outgoing calls are restricted, such as when the lines are congested
 - During emergency calls
 - While contact data is being transferred from the cellular phone
 - When dial lock is turned on for the cellular phone
 - When the cellular phone is in use, such as when transmitting data
 - When the cellular phone is malfunctioning
 - When the cellular phone is not connected
 - When the cellular phone has a low battery
 - When the cellular phone is turned off
 - When the settings prevent the cellular phone from being used for hands-free calls
 - When switching from data communication or contact transfer to hands-free calling with the multimedia system. (While switching, Bluetooth® connection status for the multimedia system will not be displayed)

- When the cellular phone itself cannot be used for any other reason
- If hands-free calling and the Wi-Fi® function (Wi-Fi® or Miracast®) are used simultaneously, the Bluetooth® connection of the cellular phone may be disconnected.

**WARNING**

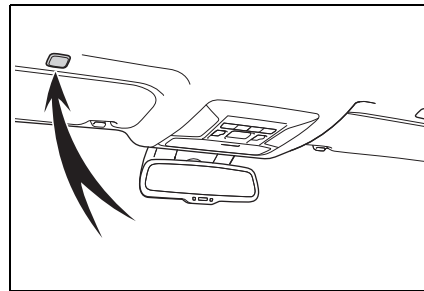
- The driver should operate mobile devices in hands free mode only. Failure to follow this warning will lead to driver distraction which can cause personal injury or death.
- The driver is solely responsible for the safe operation of the vehicle.
- People with implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should maintain a reasonable distance between themselves and the Bluetooth® antennas. The radio waves may affect the operation of such devices.
- Before using Bluetooth® devices, users of any electrical medical device other than implantable cardiac pacemakers, cardiac resynchronization therapy-pacemakers or implantable cardioverter defibrillators should consult the manufacturer of the device for information about its operation under the influence of radio waves. Radio waves could have unexpected effects on the operation of such medical devices.

**NOTICE**

- Do not leave a cellular phone inside the vehicle. The inside of the vehicle can become hot, which could cause the cellular phone to malfunction.

Precautions for call audio

In a hands-free call, the car's built-in microphone can be used to speak. Pay special attention to the following information when making a hands-free call.



- The audio when receiving calls or when talking during calls are output from speakers on both sides of the front seats.
- The audio is muted when a voice or ringtone is output from the hands-free system.
- During calls, take turns speaking with the other party on the phone. If both parties speak at the same time, it may be difficult to hear what the other party is saying.
- If the receiver volume is too high, the other party's voice may be audible outside the vehicle or echoes may be heard.
- Speak clearly in a loud voice.
- In the following cases, it may be difficult for the other party to hear your voice.
 - Driving on an unpaved road.
 - Driving at high speeds.
 - The roof or windows are open.
 - The air conditioning vents are pointed towards the microphone.
 - The sound of the air conditioning fan

- is loud.
- The cellular phone is brought closer to the microphone.
- There might be an adverse effect on sound quality (such as noise or echo) depending on the phone or network being used.
- If other Bluetooth® devices are connected at the same time, noise may be generated in the hands-free system audio.
- If the multimedia system has been configured to use the Wi-Fi® function (Wi-Fi® or Miracast®), noise may be generated in the hands-free system audio.



NOTICE

- Do not touch or poke sharp objects into the microphone. This may cause a malfunction.

Precautions when selling or disposing of the vehicle

A lot of personal information is registered when using the hands-free system. Make sure to clear all information before selling or disposing of the vehicle. (→P.59)

After initializing all the information, all the data in the multimedia system will be initialized and returned to the factory default. It cannot be returned to the state before initialization.

When hands-free calling might be malfunctioning

If you notice any of the following symptoms, refer to the following table for possible reasons and solutions, and check the symptom again.

Using hands-free calls

Symptom	Possible reason	Solution
Hands-free calls cannot be used	Your cellular phone does not support Bluetooth®.	For a list of specific devices which operation has been confirmed on multimedia system, check with any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
	Your cellular phone version is not compatible with Bluetooth®.	Use a cellular phone compatible with Bluetooth® Core Specification Ver. 5.0 or later. (→P.88)

Cellular phone registration and connection

Symptom	Possible reason	Solution
Your cellular phone cannot be registered	The cellular phone registration operation has not been completed.	Select the authentication button when it is shown on your cellular phone and continue the registration operation.
	There is registration information remaining on either the cellular phone or the multimedia system.	Perform the registration operation again after deleting the registration information from both the multimedia system and the cellular phone. (→P.89, 92)

Symptom	Possible reason	Solution
Cannot connect via Bluetooth®	A cellular phone other than the one to use is already connected via Bluetooth®.	Manually connect the cellular phone to use via Bluetooth® from the multimedia system. (→P.93)
	The Bluetooth® function of the cellular phone is not activated.	While the engine switch <power switch> is in ACC or ON, activate the Bluetooth® function on the cellular phone.
	The cellular phone registration information has been deleted.	Perform the registration operation after deleting the registration information from both the multimedia system and the cellular phone. (→P.89, 92)

Calling and receiving calls

Symptom	Possible reason	Solution
Cannot make or receive calls	Outside the service area	Move the vehicle into to a service coverage area.
	Call restriction (dial lock) is turned on for the cellular phone.	Turn off call restriction (dial lock) for the cellular phone.

Contacts

Symptom	Possible reason	Solution
Cannot transfer or automatically transfer contact data	The cellular phone profile does not support transferring contact data.	For a list of specific devices which operation has been confirmed on multimedia system, check with any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
	[Sync contacts] in the Bluetooth® settings on the multimedia system is set to off.	Set [Sync contacts] in the Bluetooth® settings on the multimedia system to on. (→P.81)
	The cellular phone is waiting for approval to transfer contacts.	Select the contacts transfer approval button on the cellular phone.
An approval confirmation screen is displayed on the cellular phone	"Always allow" is not selected during approval.	Select "Always allow" and approve on the cellular phone.
The contact data is registered elsewhere	The contacts are not registered to the cellular phone.	Please register the contacts to the cellular phone.
Cannot edit contact data	[Sync contacts] in the Bluetooth® settings on the multimedia system is set to on.	Set [Sync contacts] in the Bluetooth® settings on the multimedia system to off. (→P.81)

6

Hands-free calls

When using the Bluetooth® message function

Symptom	Possible reason	Solution
Messages cannot be viewed.	Message transfer is not enabled on the cellular phone.	Enable message transfer on the cellular phone (approve message transfer on the phone).
New message notifications are not displayed.	Automatic message transfer function is not enabled on the cellular phone.	Enable automatic transfer function on the cellular phone.

Other conditions

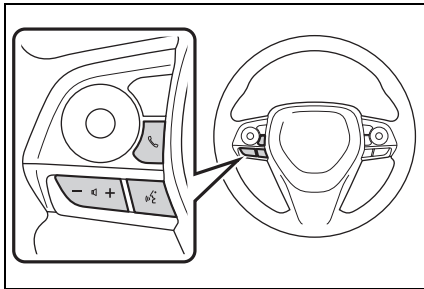
Symptom	Possible reason	Solution
If symptoms do not improve after applying possible solutions.	The cellular phone and multimedia system are too far apart.	Move the cellular phone and multimedia system closer together.
	Electromagnetic interference is being generated.	Turn the power off for any devices that may be generating electromagnetic waves, such as Wi-Fi® devices. Set the Wi-Fi® setting on the multimedia system to off. (→P.100)
	The cause lies in the cellular phone.	Turn the power off for the cellular phone, and remove the battery pack.
		Turn the cellular phone's Bluetooth® connection from off to on.
		Turn off the cellular phone's Wi-Fi® connection.
		Stop any security software or background applications that are running on the cellular phone. Make sure to carefully confirm the provider and operating status of applications installed on the cellular phone before use.

● For more details, refer to the instruction manual included with the cellular phone.

Operating with the steering switches

Some hands-free call functions can be operated from the steering switches, such as receiving or making calls. The steering switch functions change depending on the status of the multimedia system.

- Operate the switches as necessary.



[+] switch

Increases the ringtone volume or receiver volume.

Press and hold to adjust continuously.

[-] switch

Decreases the ringtone volume or receiver volume.

Press and hold to adjust continuously.

[] switch *

Calls can be made using voice command. (→P.34)

To end voice control system, press and hold the talk switch.

[] switch

- While a call cannot be made, displays call history screen or phone

menu.

- Phone calls can be made when [] is displayed on the phone screen.
- While making a call or during a call, ends the call.
- While receiving a call or during call waiting, answers the call.
- *: This function is not made available in some countries or areas.

- While Apple CarPlay or Android Auto is connected, press [] to display the Apple CarPlay or Android Auto phone screen on the multimedia system.

- While Apple CarPlay and a hands-free phone are connected, press [] to display the Apple CarPlay or multimedia system phone screen. The function that was used last is prioritized. If neither has been used, the primary device is prioritized.

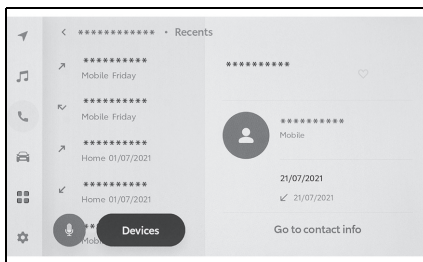
- While Android Auto and a hands-free phone are connected, press [] to display the multimedia system phone screen.

- When receiving a call, the incoming call screen for the cellular phone (hands-free phone, Apple CarPlay, or Android Auto) is displayed.

Making calls from call history

Calls can be made to phone numbers that have been recorded in the call history as outgoing or incoming calls.

- 1 Touch [] from the main menu.
- 2 Touch [Recents].
- 3 Select the contact.



- For phone numbers that are not registered in the contact, the phone number will be displayed as it is.

- 4 Touch the desired phone number.

- The latest 100 entries in the call history are shown. If the call history exceeds 100 entries, history items are automatically deleted starting from the oldest.
- The outgoing call history is registered as follows, depending on conditions.
 - If the call was placed to a phone number registered in contacts or to the multimedia system, the name and image data are also registered if they exist.
 - When several calls have been made to the same phone number, the number of calls will be displayed after the

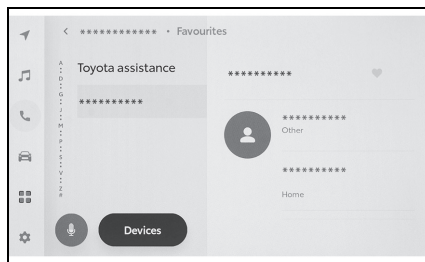
name of the contact.

- The incoming call history is registered as follows, depending on conditions.
 - If the call was received from a phone number registered in contacts, the name and image data are also registered if they exist.
 - If multiple calls were received from the same phone number, all are registered.
 - Missed calls and declined calls are also registered.
 - If the other party does not support caller ID, the call is registered as "Unknown".
- Calls that were placed on hold are also registered to the call history.
- Depending on the model of cellular phone, it may not be possible to make international calls.

Making calls from the favorites list

Make a call from your favorites list by adding your contacts to your favorites. (→P.184, 189)

- 1 Touch [] from the main menu.
- 2 Touch [Favourites].
- 3 Select the person you want to call from your favorites list.
- 4 Touch the desired phone number.

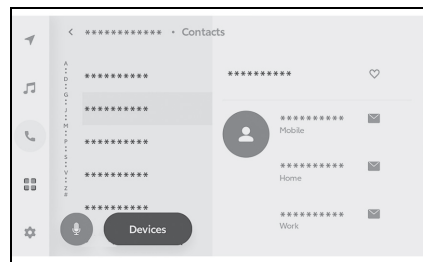


- When [Sync contacts] is on, cellular phone favorites are automatically transferred to the multimedia system. (→P.81)
- Depending on the cellular phone model, favorites cannot be transferred.
- The favorites data can also be registered from the data registered in contacts on the multimedia system.

Making calls from contacts

Calls can be made from the contacts registered on the multimedia system.

- 1 Touch [] from the main menu.
- 2 Touch [Contacts].
- 3 Select a contact.
- 4 Touch the desired phone number.

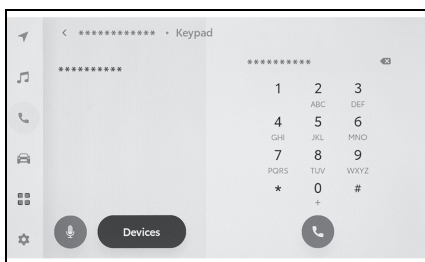


- If [Sync contacts] is displayed on the screen, touching it transfers the contact data of the cellular phone to the multimedia system.
- If no contact data has been registered, contact data must be transferred or added to the multimedia system.
- The contact data of the hands-free phone that is connected is displayed on the multimedia system. When the hands-free phone is switched during a 2-phone connection, the contact data also switches.

Making calls from keypad

Enter the phone number on the keypad to make a call.

- 1 Touch [📞] from the main menu.
- 2 Touch [Keypad].
- 3 Enter the phone number.
- 4 Touch [📞], or press the [📞] switch on the steering.



- Calls can also be made by touching a contact displayed on the sub menu.
- Depending on the cellular phone model, it may be necessary to perform operations on the cellular phone.

Making a call Toyota roadside assist service *1, 2

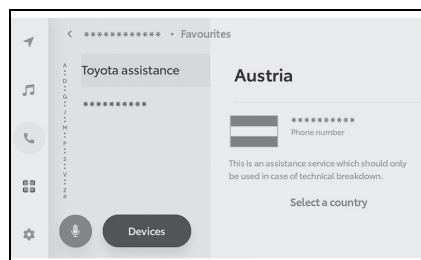
*1: With built-in navigation system

*2: Without built-in navigation system (when using Connected navigation with Toyota Smart Center usage contract)

Toyota roadside assist service can be called from the favourites list. The call must be made from a country that supports the use of Toyota roadside assist service. The country must be registered in order to use this function.

This function is not available in some countries or areas.

- 1 Touch [📞] from the main menu.
- 2 Touch [Favourites].
- 3 Touch [Toyota assistance] on the favourites list.
- 4 Touch the phone number.

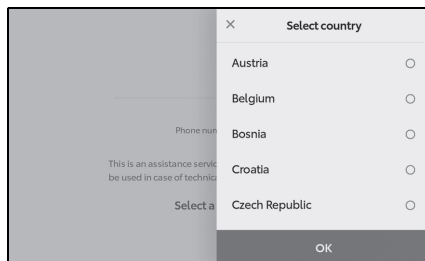


Registering the country in Toyota assistance

The country must be registered in

Toyota assistance in order to use Toyota roadside assist service.

- 1 Touch [] from the main menu.
- 2 Touch [Favourites].
- 3 Touch [Toyota assistance] on the favourites list.
- 4 Touch [Select a country].
- 5 Select the country.



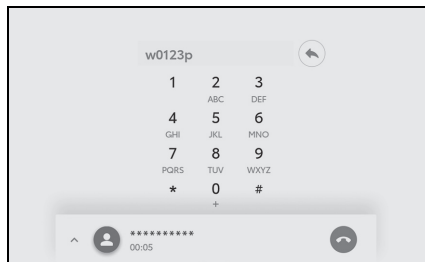
- 6 Touch [OK].

Calling using a wait or pause signal

Numbers that include wait (w) or pause (p) signals can be called. The transmission of the numbers that follow the wait (w) or pause (p) signal is suspended or stopped for about 2 seconds.

- A wait (w) signal suspends the transmission of the number. Transmission resumes after an operation by the user until the next wait (w) signal. When a pause (p) signal is included part-way, the transmission stops for 2 seconds before sending the following number.
 - A pause (p) signal stops the transmission of the number for about 2 seconds.
- 1 Touch [] from the main menu.
 - 2 Touch [Contacts].
 - 3 Select the contact.
 - 4 Select the phone number that includes a wait (; or w) or pause (, or p) signal.

- 5 If the phone number includes a wait (w) signal, touch [].

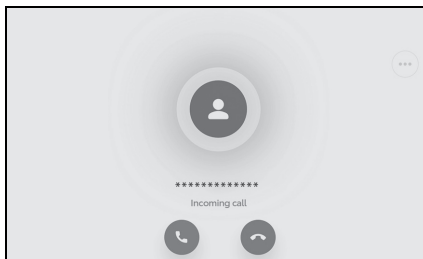


- When [] is touched, the number that was suspended by the wait (w) signal resumes transmission until the next wait (w) signal. When a pause (p) signal is included partway, the transmission stops for 2 seconds before sending the following number.
-
- Depending on the model of cellular phone, the wait signal may be displayed as a semi colon (;) and the pause signal may be displayed as a comma (,) on the cellular phone screen.
 - This function is used to make international calls.
 - Release tones can be used when automated operation of a phone based service such as an answering machine or bank phone service is desired. A phone number with wait (w) or pause (p) signals can be registered in the contact list.

Answering calls

When a call is received, a ringtone sounds and the incoming call screen or incoming call notification is displayed. When [Voice support] is on in the voice control settings, voice control system starts when a call is received.* (→P.57)

*: This function is not available in some countries or areas.



1 Answer the call by doing one of the following.

- Touch [📞].
- Press the [📞] switch on the steering.
- Speak a voice command to answer the call with the voice control system.* (→P.33)

*: This function is not available in some countries or areas.

- The incoming call screen is not displayed while the rear view monitor system screen is being displayed. Incoming call notification is provided by ringtone only.
- During an incoming call, all sounds

other than those coming from the hands-free call are muted. However, voice guidance with a higher priority than the hands-free call is not muted.

- Even if the cellular phone ringtone is set on the multimedia system, the multimedia system may output a different ringtone depending on the cellular phone settings.
- Depending on the cellular phone settings such as drive mode, you may not be able to receive calls.
- Depending on the cellular phone model, the following may occur.
 - The ringtone may be heard from both the vehicle speakers and the cellular phone.
 - When receiving a call, the caller's phone number may not be displayed.
 - If a call was received by operating the cellular phone directly, or if the cellular phone has been set to automatically answer calls, the call may stay on the cellular phone.
 - If there was an incoming call while the cellular phone is transmitting data, the incoming call screen may not be displayed on the multimedia system and the ringtone may not sound.
- If the cellular phone supports automatic contact data transfer (PBAP), the image data in contacts has been transferred, and [Display contact images] is set to on, the contact's image will be shown alongside their phone number when a call is received. (→P.81)
- If the ringtone setting on the multimedia system has been set to anything other than the cellular phone ringtone, the ringtone that has been registered on the multimedia system sounds, even if the cellular phone has been placed in silent (vibrate) mode or the ringtone deleted.
- The call is declined when a call is received from a phone number that is set to be declined in the cellular phone settings.

Declining calls

On the multimedia system, calls can be declined using several methods.

1 When receiving a call, perform any of the following operations to decline the call.

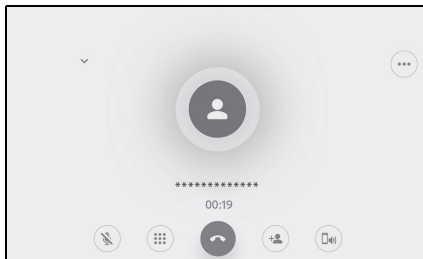
- Touch [.
- Operate the cellular phone directly.
- Speak a voice command to answer the call with the voice control system.* (→P.33)

*: This function is not available in some countries or areas.

-
- The call is declined when a call is received from a phone number that is set to be declined in the cellular phone settings.

Performing operations from the call screen

During a call, various operations can be performed from the call screen.



[]: Mutes the sound transmission so that the other party on the call cannot hear you speak. While muted, the button changes to blue. To deactivate, touch the button again.

- You can hear what the other party is saying.

[]: Displays the keypad screen. The call screen will be displayed as small while the keypad screen is displayed.

[]: Hang up during a call.

[]: Display the contact list in the sub menu to make a call to another person.

- You can make a call to another person by touching the phone number during a call to make a call.

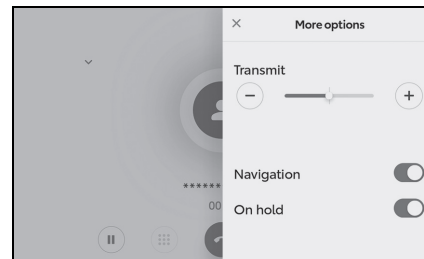
[]: Allows a call to be switched between the cellular phone and the multimedia system. During a cellular phone call, the button changes to blue.

[]: Cancel the pending call. Only displayed on hold.

[]: Reduce the call screen.

[]: Display the call screen in the main area.

[]: Displays the option screen. The following operations can be performed on the option screen.



- [Transmit]: Adjusts the transmission volume.

Changing the transmission volume may cause the sound quality to deteriorate.

- [Navigation]^{*1, 2}: Mutes the navigation system's voice guidance. Turn on [Navigation] to deactivate.

- [On hold]: Temporarily puts the call on hold. Turn off [On hold] to deactivate. Depending on the model of cellular phone, it may not be possible to put calls on hold.

- []: Returns to the call screen. If the call screen is returned to while a call is on hold, the held call can be released by displaying the option screen again.

*1: With built-in navigation system

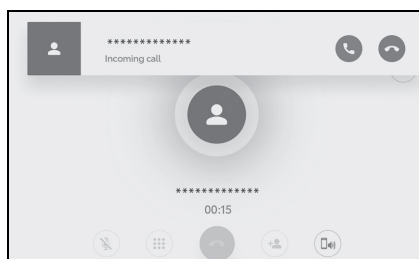
*2: Without built-in navigation system
(when using Connected navigation
with Toyota Smart Center usage
contract)

- Depending on the state of the multimedia system, the call screen may be reduced or not displayed.
- Switching calls may not be possible depending on the cellular phone model.
- Calls cannot be switched from the hands-free system to the cellular phone while driving. Switching calls may not be possible depending on the cellular phone model.
- If the cellular phone you are talking on is connected to the multimedia system as a hands-free phone, the call screen is displayed. Depending on the model of cellular phone, the call will either continue on the cellular phone or switch to a call on the multimedia system.
- If you operate the engine switch <power switch> during a call with a hands-free phone, the call may be disconnected or continued on the cellular phone depending on the cellular phone model. If you want to continue on your cellular phone, you may need to operate your cellular phone.

Answering a second call

If you receive a second call from another party during an ongoing call, call-waiting can be used to handle both calls. When a second call is received, an incoming call notification is displayed at the top of the screen.

- You must have a call waiting contract with your cellular phone provider.
- If the cellular phone does not support HFP Ver. 1.5 or later, call-waiting will not be available.
- Depending on the cellular phone model and subscription details, it may not be possible to use this function.



- 1 When receiving a second call, touch [📞] on the screen, or press the [📞] switch on the steering.
- Answering the second call places the previous call on hold.
 - The caller will be switched each time [Swap calls] is touched.

Declining second calls

When a second call is received

during another call, the call waiting call can be declined.

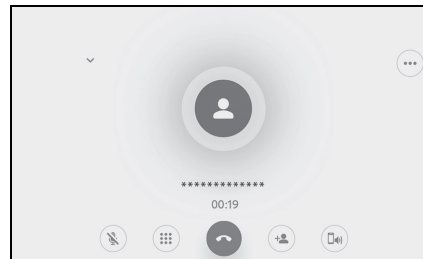
- 1 When receiving a second call, touch [⏸].

- Depending on the model of cellular phone, both calls may be disconnected. Refer to the instruction manual included with the cellular phone.

Making a call to another party during an ongoing call

You can call a new third party during an ongoing call.

- 1 Touch [⊞] on the call screen.



- 2 Select the contact.
 - 3 Select the phone number.
- This function puts the other party on hold during a call.

- You must have a call waiting contract with your cellular phone provider.
- If the cellular phone does not support HFP Ver. 1.5 or later, call-waiting will not be available.
- Depending on the cellular phone model and subscription details, it may not be possible to use this function.

Making conference calls

Add the person on hold when talking to another party while a call is on hold.

- 1 Touch [Merge calls] during an ongoing call with a third party.
 - Calls on hold are taken off hold and switched to a conference call.
-
- A subscription for conference calls must be purchased with the cellular phone provider.
 - Depending on the cellular phone model and subscription details, it may not be possible to use this function.
 - When the conference call ends, the call ends with all members of the conference call.

Ending calls

Several methods are available for ending a hands-free call.

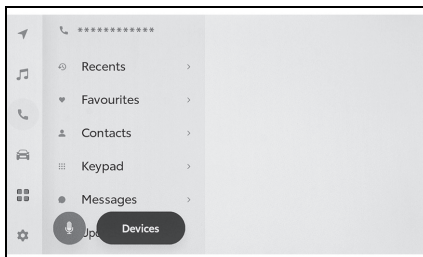
- 1 Perform any of the following operations during a call.
- Press the [] switch on the steering.
If the switch is pressed and held, all calls will be ended, including calls on hold.
 - Touch [] while making a call or on the call screen.
 - Operate the cellular phone to end the call.

Switching phones for hands-free calls

If two cellular phones are connected as hands-free phones, each cellular phone can be used. The hands-free system makes it possible to switch cellular phones. The hands-free phone screen displays the selected cellular phone data, such as contacts and history. Functions such as incoming calls can also be used with the unselected cellular phone.

To connect two cellular phones as hands-free phones, it is necessary to register and set a driver. (→P.48)

- 1 Touch [] from the main menu.
- 2 Touch [Devices].



- 3 Select the cellular phone you want to use.
- A different cellular phone cannot be selected during a call or while a call is incoming or outgoing.
-
- If making a call from a screen other than the hands-free phone screen, the

call is placed as the primary device.

- If you are on a hands-free call using either one of the devices, calls cannot be placed from the other device.
- When a hands-free call is being made by any of the hands-free phones and an incoming call is answered by another hands-free phone, the first call is disconnected.
- The following functions are also available on the unselected cellular phone.
 - Phone incoming call function
 - Message receiving and sending functions (when receiving a message)
- The primary device will not necessarily be changed even if the cellular phone is switched.

Transferring contact data

Up to 5,000 contacts can be registered for each connected cellular phone. Only the contacts corresponding to the connected cellular phone can be displayed. In the contacts, up to 4 phone numbers can be registered for each contact. Contacts are managed for each connected phone.

This function can only be used with cellular phones that support either manual contact data transfer (OPP) or automatic contact data transfer (PBAP). Refer to the included instruction manual or compatible profiles for the connected cellular phone, to determine whether it supports either of these. (→P.88)

To transfer contacts with automatic contact data transfer (PBAP), [Sync contacts] must be set to on in the Bluetooth® settings. (→P.81)

- When transferring contact data, each data is subject to the following restrictions.
 - When five or more phone numbers are registered to a single contact, all phone numbers will be registered to the multimedia system as multiple contacts with the same name.
 - The name is transferred at the same time as the phone number.
- Depending on the model, some letters, such as symbols, or all letters may not be transferred. Furthermore, even if they are transferred they may not be displayed correctly.
- Typically, secret memory is not read. (It is possible in some cases, depending on cellular phone specifications)
 - The group names registered to the cellular phone are not transferred.
 - The phone number type shown in contacts on the multimedia system is automatically assigned based on information from the source device. However, depending on the model of cellular phone and usage environment, the icons may all be identical.
 - Depending on the model of cellular phone, the cellular phone's pin number and an authentication password may need to be entered when transferring contact data. In this case, please enter [1234] as the authentication password.
 - The contacts of cellular phones that do not support manual transfer (OPP) cannot be added or registered via Bluetooth®.
 - Models of cellular phone that support batch transfer have the following characteristics when transferring contact data.
 - Transfer may take as long as 10 minutes.
 - Even if the contact list transfer screen is being displayed, it is possible to switch to another screen. In this case, contact list transfer will continue.
 - Events will be handled in the following way during contact list transfer.
 - If a call is received during a manual contact list transfer (OPP), the call will be received on the cellular phone itself. Calls cannot be made from the multimedia system during manual transfer.
 - If the cellular phone supports neither automatic contact list transfer (PBAP) nor manual contact list transfer (OPP), contact data cannot be transferred using Bluetooth®. Note that the con-

tact data can be transferred using a USB flash drive.

- If the engine switch <power switch> is turned off during contact list transfer, the transfer will be canceled. In this case, start the engine <hybrid system> and carry out transfer operations again.
- In the following cases, the contact data being transferred is not saved. (Some of the transferred data is not saved either.)
- When automatic transfer (PBAP) ends in the middle due to the memory capacity of the multimedia system.
- When automatic transfer (PBAP) is interrupted for some reason.
- The multimedia system's contact data cannot be transferred to the cellular phone.
- During contact list transfer, the Bluetooth® audio connection may be disconnected. It will be reconnected once transfer is complete. (Reconnection may not be possible for some models)
- When transferring, make sure the multimedia system has been started.
- The automatic contact data transfer (PBAP) function enables the transfer of contacts, favorites, and history to the multimedia system. Some cellular phone models do not allow favorites to be transferred.
- If [Sync contacts] is on, cellular phone favorites will be automatically transferred to the multimedia system. (→P.81)
- Depending on the model, it may be necessary to perform operations on the cellular phone when transferring contact data with automatic contact data transfer (PBAP).
- If you want to transfer contacts by automatic transfer (PBAP), you need to enable the contact sharing setting on your cellular phone.
- If automatic contact data transfer (PBAP) does not start, it may start if

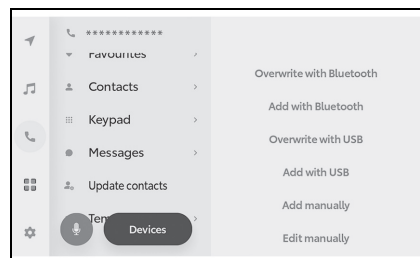
you end all other functions.

- To display contact images, set [Display contact images] to on in the Bluetooth® settings. To transfer the contact image data, [Sync contacts] and [Display contact images] must be set to on in the Bluetooth® settings. (→P.81)

Transferring cellular phone contact data using manual transfer (OPP)

The phone numbers (contact data) registered to the cellular phone can be transferred to the multimedia system using manual contact data transfer (OPP).

- When [Sync contacts] is set to ON, [Sync contacts] turns off when the phone book transfer is complete.
 - Contact data cannot be transferred manually (with OPP) on a cellular phone that is using Apple CarPlay or Android Auto.
- 1 Touch [] from the main menu.
 - 2 Touch [Update contacts].
 - 3 Select from the following transfer method.



[Overwrite with Bluetooth]: Overwrite current contact data.

[Add with Bluetooth]: Add to current contact data.

4 Operate the cellular phone to transfer contact data.

- If a transfer failed screen is displayed, start over from the beginning.

Transferring phone contact data from a USB flash drive

The phone numbers (contact data) registered to a USB flash drive can be transferred to the multimedia system.

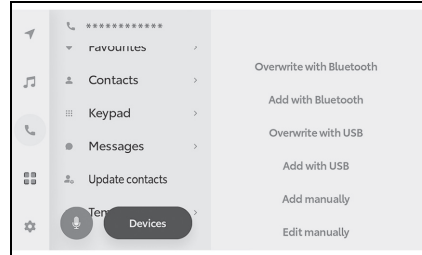
- When [Sync contacts] is set to ON, [Sync contacts] turns off when the phone book transfer is complete.
- This function cannot be used when connected to Apple CarPlay or Android Auto.
- Only contact data saved to a USB flash drive in vCard format (.vcf) can be transferred.
- Data cannot be transferred from a USB flash drive on its own. Make sure that the cellular phone can be used with the multimedia system before performing operations.

1 Connect the USB flash drive to the USB port.

2 Touch [] from the main menu.

3 Touch [Update contacts].

4 Select from the following transfer method.



[Overwrite with USB]: Overwrite current contact data with contact data on the USB flash drive.

[Add with USB]: Add contact data on the USB flash drive to current contact data.

5 Select the files you want to transfer from the file list.

6 Touch [OK].

- If a transfer failed screen is displayed, start over from the beginning.

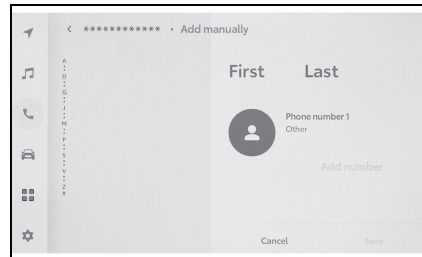
-
- Depending on the type of cellular phone, vCard data can be transferred as contact information using the cellular phone connected via USB. It may also be possible to transfer information from SD cards connected to the cellular phone.

Adding new contact data to contacts

Contacts can be created by entering data directly into contacts on multimedia system. For each person in contact, the name, phone numbers (up to 4), and phone types (1 for each phone number, such as home or cellular) can be registered in contacts.

- New data can also be added from [Modify contact list] on the history screen to bring up the contacts editing screen.
 - If [Sync contacts] is set to on, new multimedia system contacts cannot be added.
 - Set [Sync contacts] to off before doing this. (→P.81)
 - This function cannot be used when connected to Apple CarPlay or Android Auto.
- 1 Touch [] from the main menu.
 - 2 Touch [Update contacts].
 - 3 Touch [Add manually].

4 Select and enter each item.



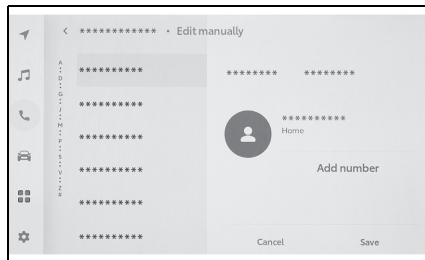
- Touch [Add number] to set additional phone numbers.
 - If a phone number has not been entered, it is not possible to add a phone number.
 - Select the phone type (such as home or cellular) of the phone number.
- #### 5 Touch [Save].
- An item cannot be registered unless a name and phone number have been entered.

Modifying data in contacts

Contact data that has been registered can be modified.

- If [Sync contacts] is set to on, multimedia system contacts cannot be edited. Set [Sync contacts] to off before doing this. (→P.81)
 - This function cannot be used when connected to Apple CarPlay or Android Auto.
- 1 Touch [] from the main menu.
 - 2 Touch [Update contacts].

- 3 Touch [Edit manually].
- 4 Select the contact you want to modify.
- 5 Select and enter each item.



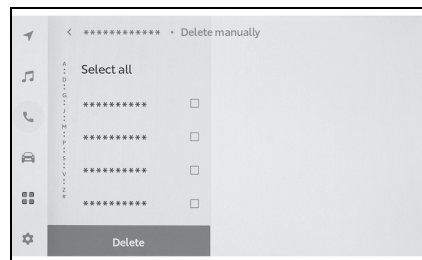
- Touch [Add number] to set additional phone numbers.
 - Touch the type (such as home or cellular) below the phone number to choose the phone type (such as home or cellular) of the phone number.
- 6 Touch [Save].
 - An item cannot be registered unless a name and phone number have been entered.

Deleting data in contacts

Contact data that has already been registered can be deleted.

- If [Sync contacts] is set to on, multimedia system contacts cannot be deleted. Set [Sync contacts] to off before doing this. (→P.81)
- This function cannot be used when connected to Apple CarPlay or Android Auto.

- 1 Touch [] from the main menu.
- 2 Touch [Update contacts].
- 3 Touch [Delete manually].
- 4 Select the data you want to delete.

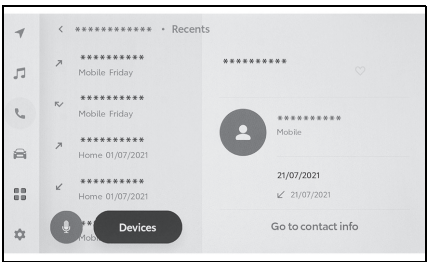


- 5 Touch [Delete] from the bottom of the sub menu.

Registering favorites

Frequently used contact data can be registered in favorites. To use this function, set [Sync contacts] to off. (→P.81)

- 1 Touch [📞] from the main menu.
- 2 Touch [Contacts] or [Recents].
- 3 Select the data you want to register.
- 4 Select [❤️] for the data item to be registered.

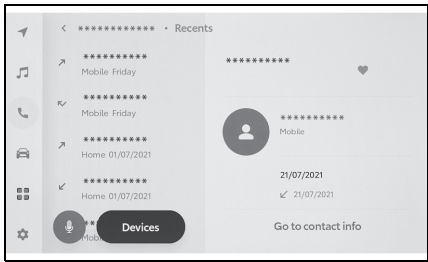


Deleting favorites

Registered favorites can be deleted. To use this function, set [Sync contacts] to off. (→P.81)

- 1 Touch [📞] from the main menu.
- 2 Touch [Favourites], [Contacts], or [Recents].
- 3 Select the data you want to delete.

- 4 Select the [❤️] for the data item to be deleted.



Precautions when using the message function

Messages are transferred from the cellular phone connected for hands-free calls. The multimedia system can be used to check, reply, and send messages. Depending on the cellular phone model being connected, it may not be possible to transfer messages to the multimedia system. If the cellular phone does not support messaging, this function cannot be used.

This function can be used with cellular phones that support HFP and MAP. To check if a cellular phone is compatible with HFP and MAP, check the user's manual that came with the cellular phone, or its compatible profiles.

- You need to enable the message sharing setting from your cellular phone settings.
- This function cannot be used during emergency calls.
- Depending on the cellular phone model, it may not be possible to use the e-mail function.
- Depending on the cellular phone model, it may not be possible to use the reply function.
- Cellular phone messages will be automatically transferred when each message function is used.
- Depending on the connected cellular phone model, it may be necessary to

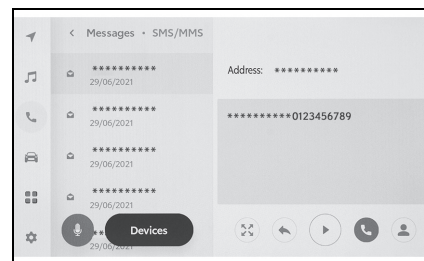
perform additional operations on the cellular phone.

- For SMS messages, the subject is not displayed.
- Depending on the cellular phone model, the subject name of a received MMS may not be displayed.
- If [Auto read messages] is on, messages are read aloud. (→P.81)
- Some information may not be displayed depending on your cellular phone model and registration status to the multimedia system.

Checking messages

Sent and received messages can be checked.

- 1 Touch [] from the main menu.
- 2 Touch [Messages].
- 3 Select an account.
- 4 Select the message sender.
- 5 Select each item as necessary.



[]: Enlarges or minimizes the message screen.

[]: Displays the reply to message screen.

[]: Reads the message aloud.
To stop the message being read aloud, touch [].

[]: Calls the message sender by phone.

Depending on the contact registration status, the phone number must be selected.

[]: Displays the contact information of the other party.

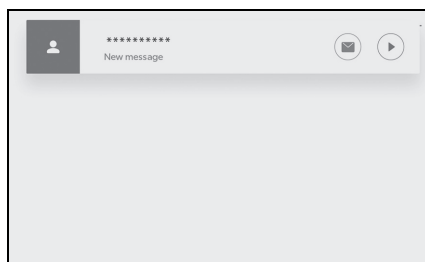
- While the message screen is enlarged with an e-mail or SMS message, touch [Mark Unread] or [Mark Read] to mark the message as unread or read.

Checking new messages

When an e-mail, SMS or MMS message is received, a new message notification is displayed at the top of the screen. While [Voice support] is on, voice control system^{*} starts.

^{*}: This function is not available for e-mail. This function is not available in some countries or areas.

- 1 The following operations can be performed when a message is received.



[]: Displays the body of the message.

[]: Reads the message aloud.

Replying to messages

Replies can be sent to received messages.

- 1 Touch [] from the main menu.
- 2 Touch [Messages].
- 3 Select an account.
- 4 Select the message sender.
- 5 Touch [].
- 6 Enter each item.



[Template]: Fill in the selected template message.

[]: Enter using the keyboard.

- 7 Touch [Send] to reply.

Sending new messages

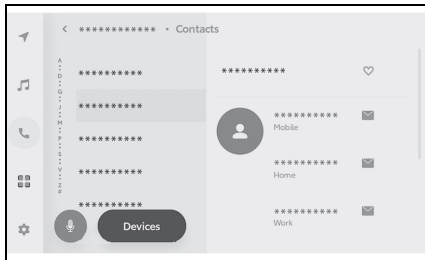
New e-mail or SMS messages can be sent. MMS is not supported.

- 1 Touch [] from the main menu.
- 2 Touch [Contacts].
- 3 Select recipients from your contact list.

6

Hands-free calls

- 4** Select the desired [✉] or e-mail address.



- The templates are set separately for each cellular phone.
- Editing some templates may not be possible.

- For e-mail addresses, select the sender account.

- 5** Enter each item.

[Template]: Fill in the selected template message.

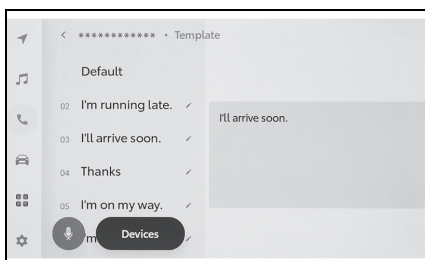
[✎]: Enter using the keyboard.

- 6** Touch [Send].

Editing templates

Templates can be edited.

- 1** Touch [📞] from the main menu.
- 2** Touch [Template].
- 3** Touch [✎] of the template to edit.



- 4** Enter the template and save.
- Touch [Default] to initialize all the template sets.

Making calls from the message function

Hands-free calls can be made using the message function.

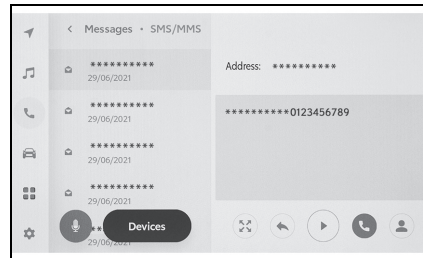
- 1 Touch the blue number to make a call.
- Consecutive numbers may be recognized as phone numbers. In addition, some phone numbers, such as phone numbers from other countries, may not be recognized.

Making calls from the e-mail, SMS, or MMS message screen

E-mail, SMS, and MMS senders can be called.

- For e-mail, a phone number must be registered in the same contact data.
 - For MMS, the phone number may need to be registered to the same contact data.
- 1 Touch [] from the main menu.
 - 2 Touch [Messages].
 - 3 Select an account.
 - 4 Select the message sender.

- 5 Touch [] or press the [] switch on the steering.



- Depending on the contact registration status, the phone number must be selected.

7-1. Web browser (Internet)

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 screen.....197

About web browser (Internet) function *

*: With built-in navigation system

By connecting to the internet, websites (news sites, blogs, streaming music sites, video sites, etc.) can be viewed.

- To use the web browser function, it is necessary for the vehicle Wi-Fi® to be connected to an access point.



WARNING

- For safety, only watch website after completely stopping the vehicle and applying the parking brake or shifting the shift lever to "P". (Only audio is output while driving.)

Displaying the web browser screen

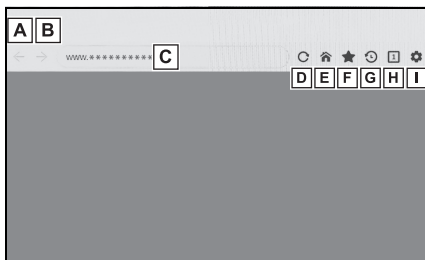
- 1 Touch [] from the main menu.
- 2 Touch [Web browser]

The web browser screen is displayed.

- Only websites which use "HTTPS" (secure connection) can be accessed.
- Depending on the website, it may not be displayed correctly.
- Some websites cannot be displayed or transitioned.
- Some websites may not display some characters.
- Depending on the content, you may not be able to play video or audio.
- It may take some time to display depending on the resolution of the video and image and the communication environment.
- Copyright-protected video content cannot be played.
- Do not enter any information such as credit card information or bank account information.
- Some functions cannot be used, such as downloading files and logging in to websites.

Operating the web browser screen

The web browser screen can be operated by touching displayed items on a page or the toolbar at the top of the web browser screen.



- A** Return to the previous page.
- B** Proceed to the next page.
- C** Displays the URL of the page.
Touch to enter a URL and display the corresponding page.
- D** Reload the displayed page.
While a page is reloading, the button will change to [X].
Touch [X] to cancel reloading of the page.
- E** Display the home page.
- F** Display the bookmark management screen.
By touching the name of a bookmark on the management screen, the corresponding page will be displayed.
- G** Display the browsing history management screen.

By touching the name of a page on the management screen, the corresponding page will be displayed.

- H** Display the tab management screen.

By touching the name of a tab on the management screen, the corresponding tab will be displayed.

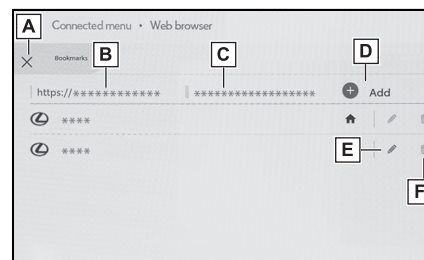
- I** Display the settings screen.

- While a page is being reloaded, the status can be checked by the changing of the background color of the toolbar.
- By touching and holding text on the screen, text can be selected to copy. To copy the text, touch the copy button. Copied text can then be pasted into the URL display area by touching it.

Managing bookmarks

Bookmarks can be added/edited/deleted on the bookmark management screen.

- 1 Touch [★] on the toolbar.
- 2 Touch the desired items.



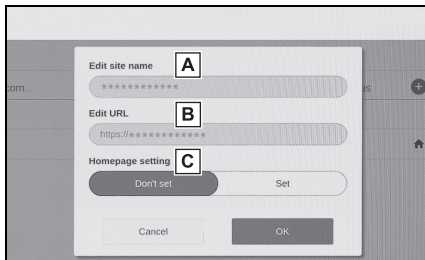
- A** Close the bookmark management screen.

- B** Displays the URL of the last displayed page.
Touch to edit the URL.
- C** Displays the bookmark name for the most recently displayed page.
The bookmark name can be edited by touching it.
- D** Add a bookmark with the content entered in **B** and **C**.
- E** Edit bookmarks.
- F** Delete bookmarks.

- Up to 100 items can be saved in the bookmarks.

Editing bookmark

The bookmark name and URL can be edited and a bookmark can be set as the homepage.



- A** Edit the bookmark name.
- B** Edit the bookmark URL.
- C** By touching [Set] the page registered to the bookmark can be set as the homepage.
The [Home] icon is displayed for the bookmark which is set as

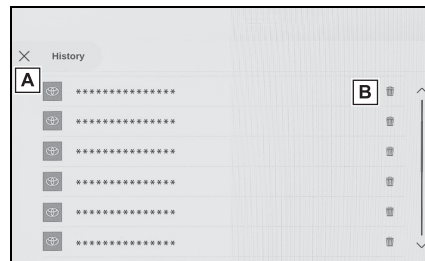
the homepage.

When done editing, touch [OK] to return to the bookmark management screen.

Managing Browsing history

Browsing history can be deleted on the browsing history management screen.

- 1 Touch [History] on the toolbar.
- 2 Touch the desired item.



- A** Close the browsing history management screen.
- B** Delete the browsing history.

- Up to 100 items can be saved in the browsing history. If the browsing history exceeds 100 items, the oldest history will be deleted automatically.

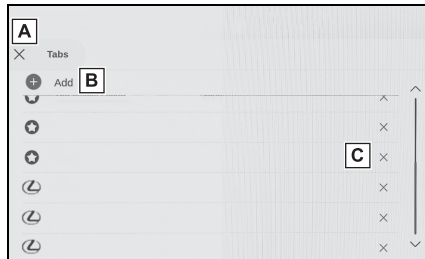
Managing tab

Tabs can be changed to/added/closed on the tab management screen.

- 1 Touch [1] on the toolbar.

The number displayed in [1] is the number of tabs currently open.

2 Touch the desired item.



A Close the tab management screen.

B Add a new tab. If the added tab is touched, the home page will be displayed.

C Delete the tab.

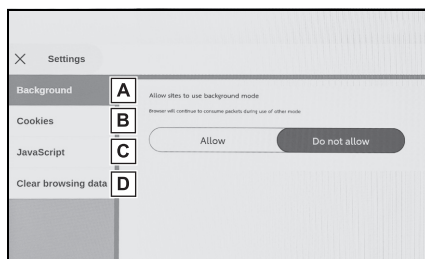
- Up to 10 tabs can be opened.
- When a new tab is added, the currently playing video or music may stop.

Setting web browser function

Settings related to the web browser function can be changed.

1 Touch [⚙️] on the toolbar.

2 Touch the desired item.



A Touch to enabled/disable operation of the web browser in the

background while using other functions.

B Touch to enable/disable saving and loading of cookie data, and to block/unblock third party cookies.

C Touch to enabled/disable use of JavaScript.

D Touch to delete browsing history, cookies and other site data, and cached images and files.

- If [Background] is set to [Allow], data transfer will occur even when using other functions.

Parking assist system

8

8-1. Toyota parking assist monitor

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8-2. Panoramic view monitor

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Toyota parking assist monitor functions*

*: If equipped

The Toyota parking assist monitor is a device that assists reversing when parking and in other situations by displaying vision from the rear camera installed on the vehicle.

the descriptions are examples and may differ to the actual vision from the camera due to vehicle glare and such like.



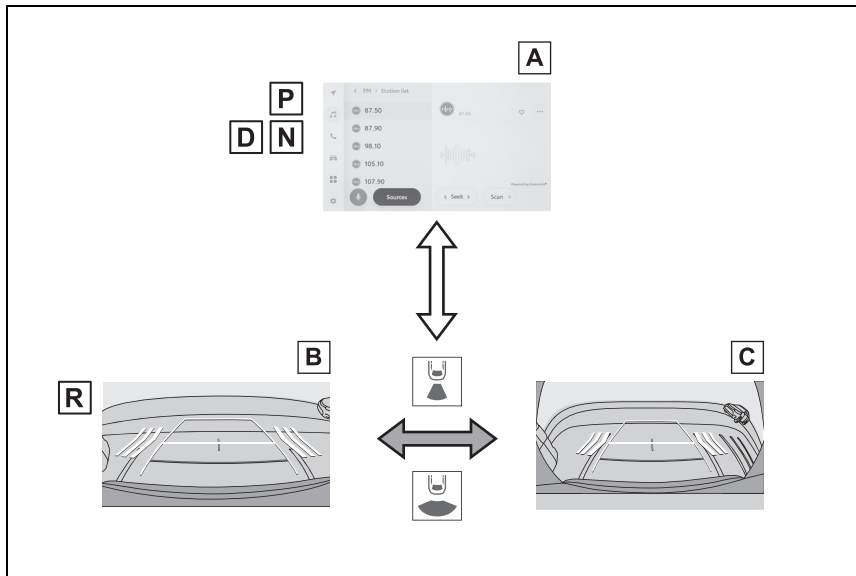
WARNING

- Always make sure to visually check your surroundings while you are driving.
- The actual position and distance of people and obstacles that appear on the screen differ due to the characteristics of the camera lens.

● The illustrations of screens used in

Displaying the Toyota parking assist monitor screen

When the shift lever is in "R" with the engine switch <power switch> turned ON, the Toyota parking assist monitor screen will be displayed.



A Navigation screen, audio screen, etc.

B Rear view

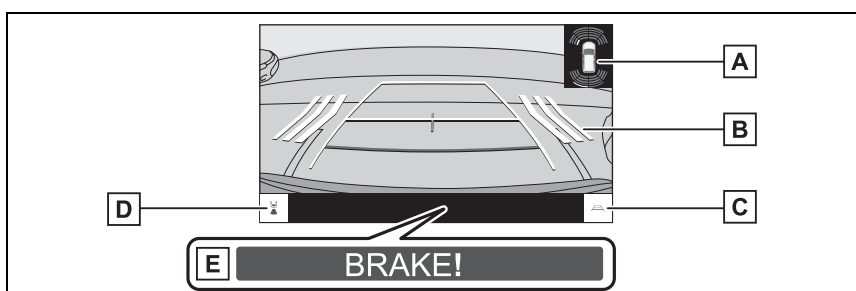
C Wide rear view

Displaying the guide screen

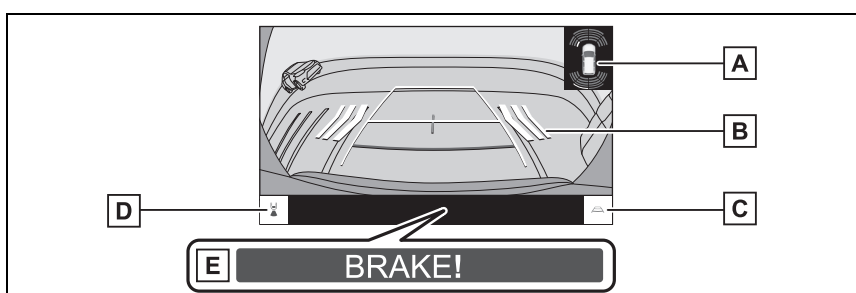
Shift the shift lever to "R".

The mode switches each time you touch the display mode button.

► Rear view



► Wide rear view



A Toyota parking assist-sensor*

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor. (For details about the Toyota parking assist-sensor, see the separate "Owner's manual".)

B RCTA (Rear Crossing Traffic Alert)*

Displays an indicator on the screen when a vehicle approaching from behind the vehicle is detected by a rear radar sensor. (For details about RCTA (Rear Crossing Traffic Alert), see the separate "Owner's manual".)

C Guide line switching

Switches the guide line mode.

D Display mode switching

Switches display mode between the rear view and the wide rear view.

E PKSB (Parking Support Brake)*

If an object that you may collide with is detected, a message is displayed on the screen. (For details about PKSB (Parking Support Brake), see the separate "Owner's manual".)

*: If equipped

**WARNING**

- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.
- As the Toyota parking assist-sensor and Rear Crossing Traffic Alert (RCTA), displays are overlaid on the camera image, the surrounding brightness and colors may make them difficult to see.

Turning off the Toyota parking assist monitor

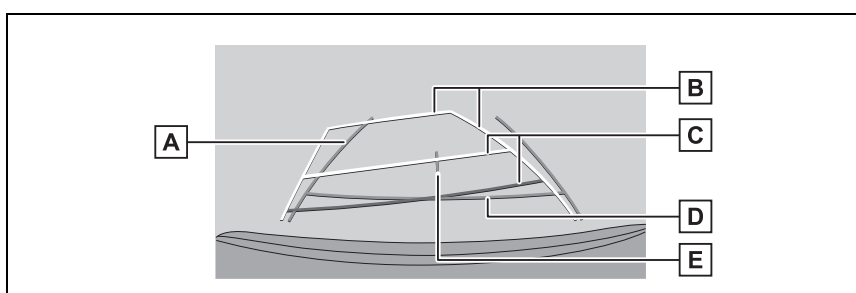
The Toyota parking assist monitor turns off when the shift lever is in any position other than "R".

Changing the guide line display mode

The guide line display mode changes every time you touch the guide line switching button.

► Estimated course lines mode

This mode displays estimated course lines that move in accordance with the operation of the steering wheel.



A Vehicle width guide lines

Displays course lines when the vehicle is being reversed in a straight line.

- The lines are wider than the actual width of the vehicle.
- When the vehicle is straight, the guide lines will overlap with the estimated course lines.

B Estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

C Distance guide lines

Displays the distance behind the vehicle.

- The distance guide line is linked to the estimated course lines.
- Displays about 0.5 m (1.5 ft.) (red) and 1 m (3 ft.) (yellow) from the center of the end of the rear bumper.

D Distance guide line

Displays about 0.5 m (1.5 ft.) (blue) from the end of the rear bumper.

E Vehicle center guide line

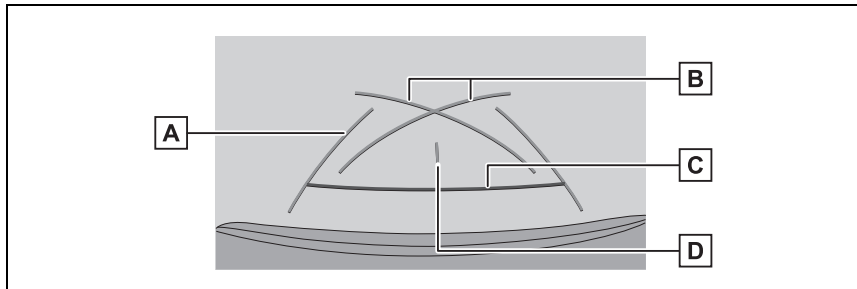
Displays the center of the vehicle width guide lines.

► Parking assist guide lines mode

This mode displays the steering wheel return points (parking assist guide lines).

This mode is recommended for those who have a sense of the vehicle and

can park the vehicle without the aid of the estimated course lines.



A Vehicle width guide lines

Displays course lines when the vehicle is being reversed in a straight line.

- The lines are wider than the actual width of the vehicle.

B Parking assist guide lines

Displays the course lines of the smallest turn possible behind the vehicle.

- Use this as a guide for the position to operate the steering wheel when parking.

C Distance guide line

Displays the distance behind the vehicle.

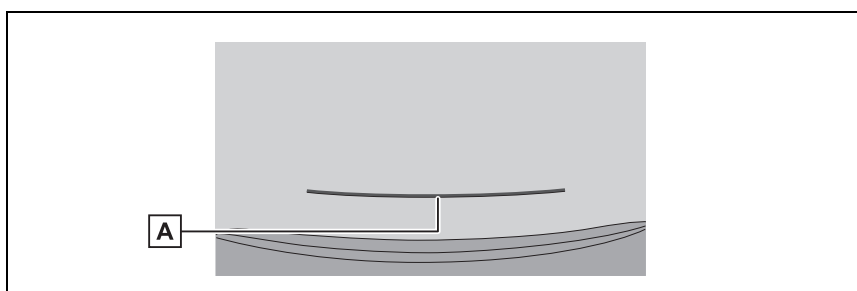
- Displays about 0.5 m (1.5 ft.) (red) from the center end of the rear bumper.

D Vehicle center guide line

Displays the center of the vehicle width guide lines.

► Distance guide line mode

This mode only displays the distance guide line. It is recommended for those who do not need the guide lines.



A Distance guide line

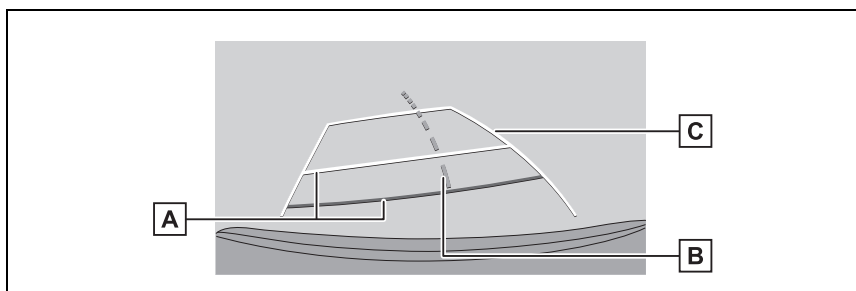
Displays the distance behind the vehicle.

- Displays about 0.5 m (1.5 ft.) (red) from the center end of the rear bumper.

► Estimated course center line mode

This mode displays estimated course lines and a vehicle center guide line that move in accordance with the operation of the steering wheel.

Use this mode when you are approaching a signpost or pole with the center of the rear bumper.



A Distance guide lines

Displays the distance behind the vehicle.

- The distance guide line is linked to the estimated course lines.
- Displays about 0.5 m (1.5 ft.) (red) and 1 m (3 ft.) (yellow) from the center of the end of the rear bumper.

B Estimated course center line

Displays the vehicle center guide line (green) that is linked to operation of the steering wheel.

C Estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

- The guide lines will not be displayed if the back door is not closed. If the back door is closed but the guide lines are still not displayed, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
- The Toyota parking assist-sensor is a feature that notifies the driver of nearby objects. However, an actual image of the direction of the detected object is not displayed on the screen.
- The Toyota parking assist-sensor display position and the position of the object displayed on the camera image may not correspond.

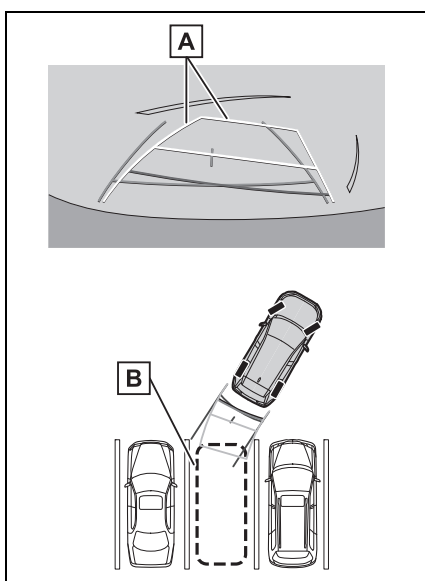


WARNING

- The vehicle width guide lines are wider than the actual width of the vehicle. Always make sure to visually check behind you and your surroundings when you are reversing.

Parking using the estimated course lines mode

- 1 Shift the shift lever to "R".
- 2 Turn the steering wheel so that the estimated course lines are within the parking space and then reverse slowly.

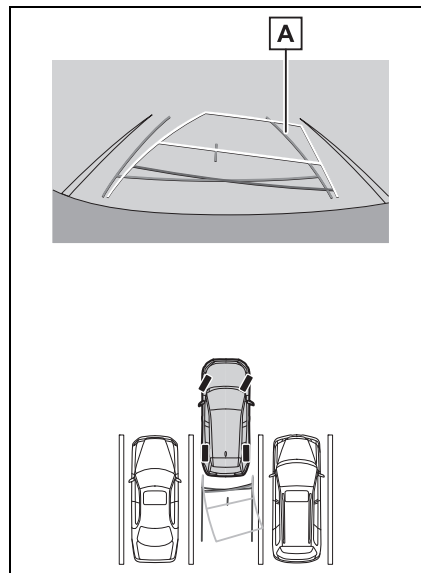


A Estimated course lines

B Parking space

- 3 When the rear of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width guide lines are

within the left and right dividing lines of the parking space.



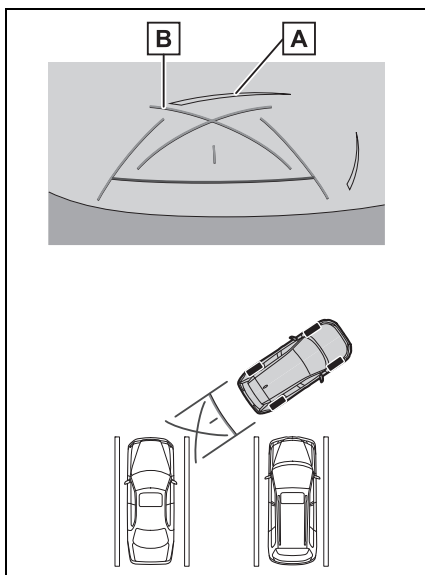
A Vehicle width guide lines

- 4 Once the vehicle width guide lines and the parking space lines are parallel, straighten the steering wheel and reverse slowly until the vehicle has completely entered the parking space.
- 5 Stop the vehicle in an appropriate place to finish parking.

Parking using the parking assist guide lines mode

- 1 Shift the shift lever to "R".
- 2 Reverse until the parking assist guide lines align with the left-

hand dividing line of the parking space.



A Parking space dividing line

B Parking assist guide lines

- 3** Turn the steering wheel all the way to the right, and reverse slowly.
- 4** Once the vehicle is parallel with the parking space, straighten the steering wheel and reverse slowly until the vehicle has completely entered the parking space.
- 5** Stop the vehicle in an appropriate place to finish parking.

Precautions for the Toyota parking assist monitor

Driving precautions

The Toyota parking assist monitor is equipment that assists the driver reverse the vehicle. Always make sure to visually check behind you and your surroundings when reversing. If not, you may collide with other vehicles or an unforeseen accident may occur. Follow the below precautions when using the Toyota parking assist monitor.

! WARNING

- Never reverse only looking at the screen. The images displayed on the screen may differ to the actual situation. Hence, if only looking at the screen when reversing, you may collide with another vehicle or have an unforeseen accident. In particular, be careful not to collide with vehicles parked nearby or other objects. Always make sure to use the rear-view and side mirrors as well as visually check behind you and your surroundings when reversing.
- Depress the brake pedal to adjust your speed and slowly reverse the vehicle.
- If collision is likely with a nearby vehicle, obstacle, or person, or mount the shoulder of the road, depress the brake pedal to stop the vehicle.



WARNING

- The instructions given for the Toyota parking assist monitor modes are only guidelines. When and how much to turn the steering wheel will vary according to traffic conditions, road surface conditions, vehicle condition, and so on when parking. It is necessary to be fully aware of this before using the Toyota parking assist monitor.
- When parking, be sure to check that the parking space will accommodate your vehicle before reversing into it.
- Do not use the Toyota parking assist monitor in the following cases:
 - On icy or slick road surfaces, or in snow
 - When using tire chains or emergency tires
 - When the back door is not closed completely
 - On roads that are not flat or straight, such as hills or bends
- In low external temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may not be able to see the image on the screen, so always visually check your surroundings while you are driving.
- If tire sizes are changed, the position of the guide lines displayed on the screen may be incorrect.
- Due to the characteristics of the camera lens, the actual position and distance of people and obstacles differ from what appears on the screen.

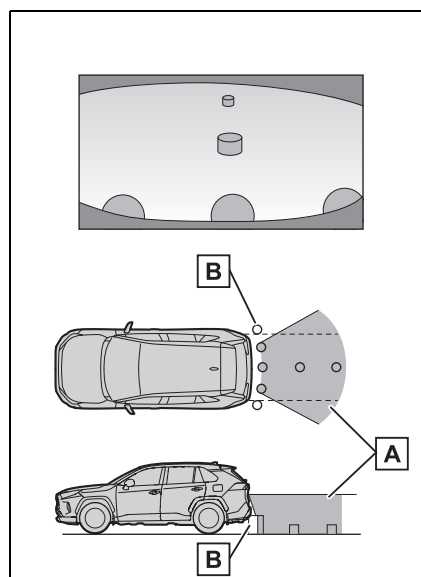


NOTICE

- The camera may not function correctly and the image may be displayed on the screen in the following manner:
 - When the shift lever is in any position other than R, the camera image continue to be displayed.
 - When the shift lever is in "R", part or all of the screen may appear black
 - When the shift lever is in "R", the screen may not change to the camera image
 - The guide lines are not displayed on the camera image, and attention symbols and caution notices are displayed

Area displayed on the screen

■ Rear view

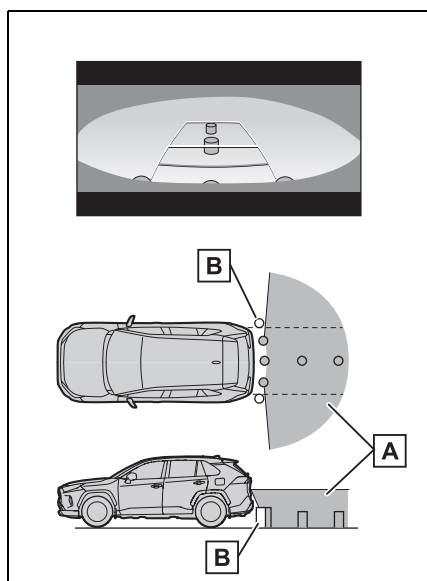


A Area displayed on the screen

B Objects not displayed on the screen

Areas close to both corners of the bumper will not appear on the screen.

■ **Wide rear view**



A Area displayed on the screen

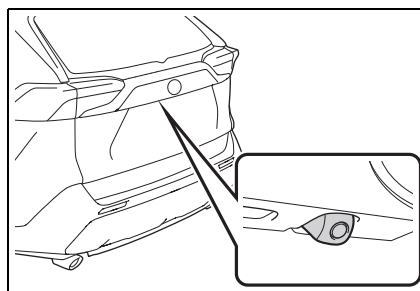
B Objects not displayed on the screen

Areas close to both corners of the bumper will not appear on the screen.

- The range that is displayed on the screen may differ due to the state of the vehicle and road surface.
- Areas close to both corners of the bumper and under the bumper will not appear on the screen.
- The depth perception of the image displayed on the screen differs to the actual distance due to the camera lens characteristics.
- Objects that are higher than the camera may not appear in the monitor.

Camera position

The Toyota parking assist monitor camera is in the location shown in the figure.



Cleaning the camera

If dirt or foreign matter, such as water droplets, snow, or mud, has stuck to the camera, you will not be able to see the image clearly. If that happens, splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth.



NOTICE

- The Toyota parking assist monitor may stop functioning correctly. Take note of the following items:
 - Do not hit or apply a forceful impact on the camera. Doing so may change the position and mounting angle of the camera.
 - The camera is designed to be waterproof. Do not detach, disassemble, or modify it.

**NOTICE**

- When washing the camera lens, splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth. Rubbing the camera lens forcibly may scratch the camera lens and images may no longer be able to be seen clearly.
- The camera cover is made of resin. Do not allow an organic solvent, car wax, window cleaner, or glass coating to adhere to the camera. If this happens, wipe it off immediately.
- Do not pour hot water on the vehicle in cold weather or apply other rapid changes of temperature.
- If you wash the vehicle with a high pressure car washer, do not point the hose directly at the camera or camera area. Applying strong water pressure may result in the camera malfunctioning.
- If the camera is hit, it may cause a camera malfunction. If this happens, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Differences between the screen and the actual road

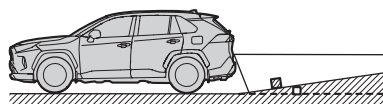
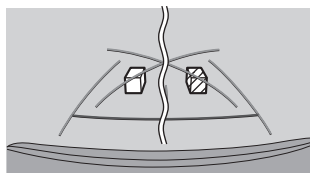
- The distance guide lines and the vehicle width guide lines may not actually be parallel with the dividing lines of the parking space, even when they appear to be so. Be sure to check visually.
- The distances between the vehicle width guide lines and the left and right dividing lines of the

parking space may not be equal, even when they appear to be so. Be sure to check visually.

- The distance guide lines show a distance guide for flat road surfaces. Therefore, there is a margin of error between the guide lines on the screen and the actual distance and course on the road.

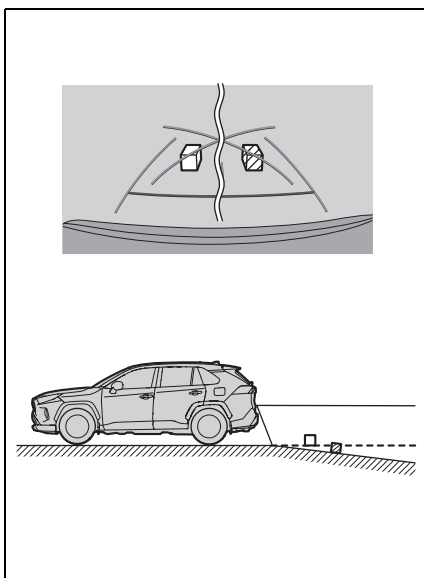
■ When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Thus, objects on up-slopes will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance and course on the road.



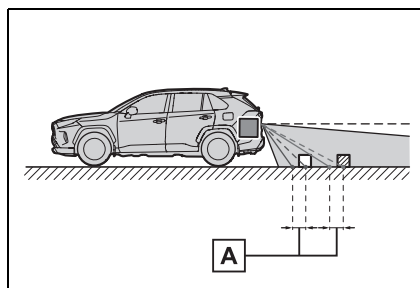
■ When the ground behind the vehicle slopes down sharply

The distance guide lines will appear to be further from the vehicle than the actual distance. Thus, objects on down-slopes will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance and course on the road.



■ When any part of the vehicle sags

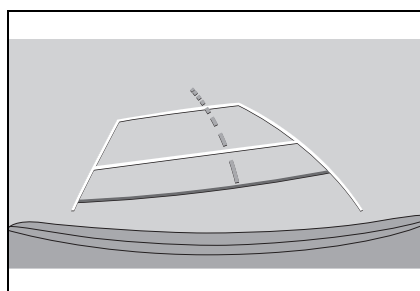
When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance and course on the road.



A Margin of error

■ Estimated course center line

As the guide lines are shown midair near the rear bumper, there are times that they may look like they are off-center.

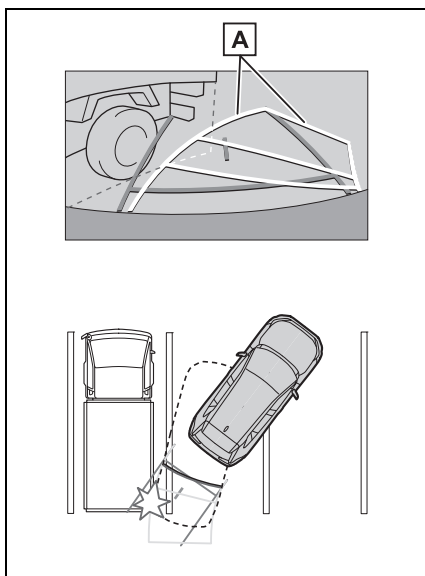


Differences between the screen and actual 3D objects

Since the estimated course lines and distance guide lines are displayed for a flat road surface, it is not possible to determine the position of three-dimensional objects. When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), take note of the following cautions.

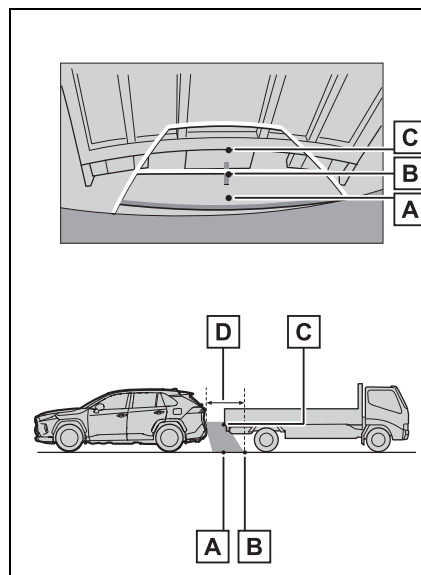
■ Estimated course lines

Make sure to visually check behind you and your surroundings. On the screen, a truck flatbed may appear to be outside of the estimated course lines and the vehicle does not look as if it will collide with the truck. However, the flatbed may actually cross over the estimated course lines and if you reverse as guided by the estimated course lines, the vehicle may hit the truck.



A Estimated course lines

■ Distance guide lines



Make sure to visually check behind you and your surroundings. On the screen, the distance guide lines shows that a truck is parking at point **B**. However, in reality if you reverse to point **A**, you will collide with the truck. On the screen, it appears that point **A** is closest followed by points **B** and **C**. However, in reality, the distance to points **A** and **C** is the same, and point **B** is farther than **A** and **C**. The distance to point **D** is about 1 m (3 ft.)

If you notice any symptoms

If you notice or are troubled by any of the symptoms below, check the issue again referring to the likely cause and solution.

If the symptom is not resolved by the solution, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Symptom	Likely cause	Solution
The screen is difficult to see	• The vehicle is in a dark area or it is night. • The temperature around the lens is either high or low. • The outside temperature is low. • There are water droplets on the camera. • It is raining or humid. • Foreign matter (mud etc.) is stuck to the camera. • Sunlight or headlights are shining directly into the camera. • The vehicle is under fluorescent lights, sodium lights, mercury lights, etc.	Visually check your vehicle's surroundings while you are driving. (Use the Toyota parking assist monitor again once the camera and conditions have improved.) The procedure for adjusting the picture quality of the Toyota parking assist monitor is the same as the procedure for adjusting the multimedia screen. (→P.55)
The image is blurry	Dirt or foreign matter, such as water droplets, snow, or mud, has stuck to the camera lens.	Splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth.
The screen is misaligned	The camera has received a strong impact.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Symptom	Likely cause	Solution
The guide lines are significantly misaligned	The camera position is misaligned.	Visually check your vehicle's surroundings while you are driving.
	• The vehicle is tilted (There is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.). • The vehicle is on an incline.	
The estimated course lines move even though the steering wheel is straight (the vehicle width guide lines and estimated course lines are out of alignment)	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
The guide lines are not displayed	The back door is open.	Close the back door. If this does not resolve the issue, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Panoramic view monitor functions *

*: If equipped

The panoramic view monitor is a device that assists you in driving at low speeds by displaying seamless vision from above the vehicle on the screen that is a composite of images from the front, side, and rear cameras installed on the vehicle.

- The illustrations of screens used in the descriptions are examples and may differ to the actual vision from the camera due to vehicle glare and such like.

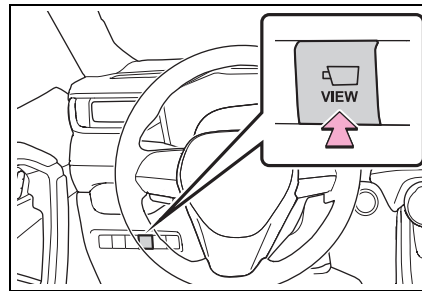


WARNING

- The panoramic view monitor is a device that assists you in checking around the vehicle. Always make sure to visually check your surroundings while you are driving.
- Due to the characteristics of the camera lens, the actual position and distance of people and obstacles differ from what appears on the screen.

Camera switch

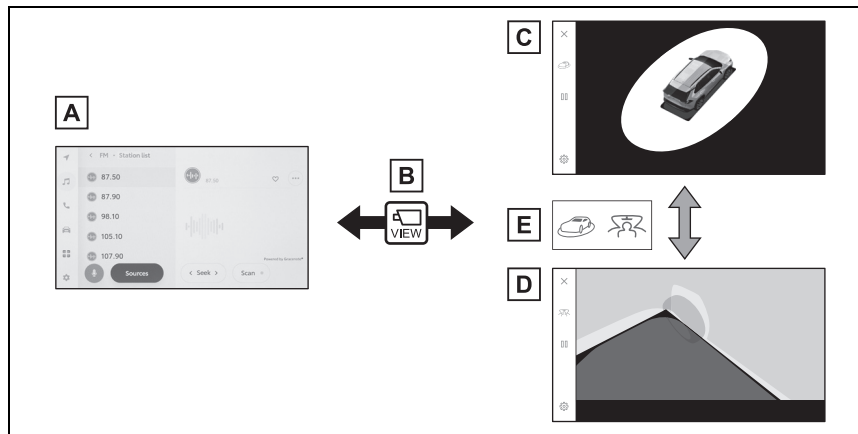
Displays the panoramic view monitor and switches the display mode.



Displaying the panoramic view monitor screen

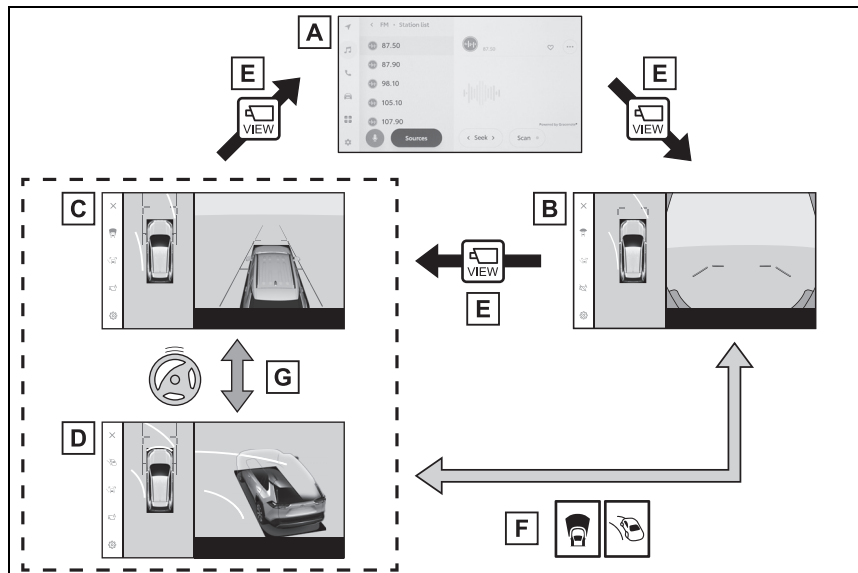
When you press the camera switch or shift the shift lever to "R" while the engine switch <power switch> is in ON, the panoramic view monitor operates.

■ Display mode when the shift lever is in “P”



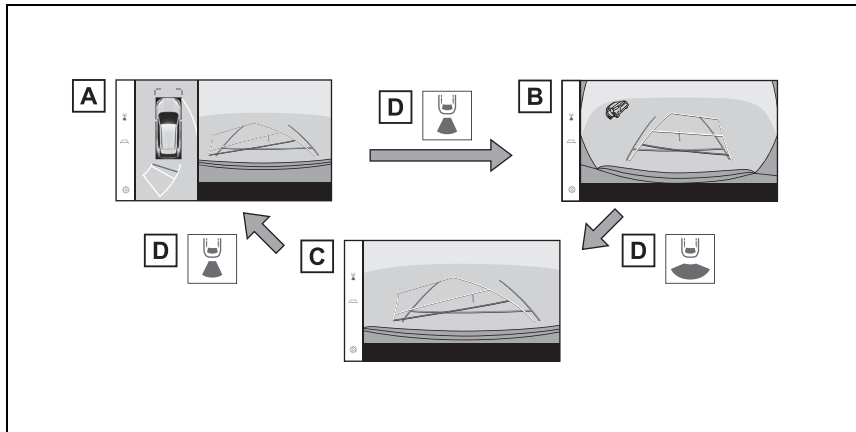
- A** Navigation screen, audio screen, etc.
- B** Pressing the camera switch
- C** Moving view
- D** See-through view
- E** Touch the display mode switching button

■ Display mode when the shift lever is in “D” or “N”



- A** Navigation screen, audio screen, etc.
- B** Wide front view & panoramic view
- C** Side clearance view & panoramic view
- D** Cornering view & panoramic view
- E** Pressing the camera switch
- F** Touch the display mode switching button
- G** When the steering wheel is turned by 180 degrees or more from the center (straight-line) position

■ **Display mode when the shift lever is in “R”**



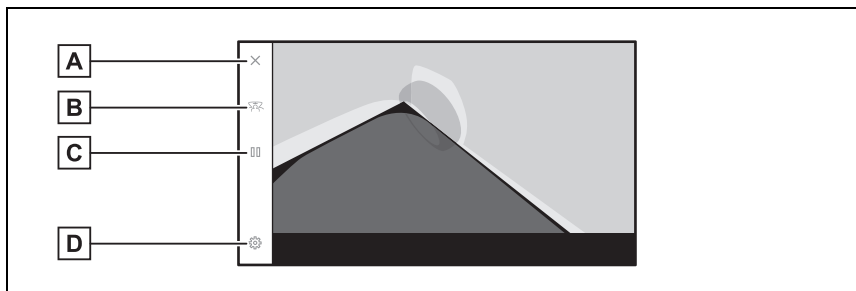
- A** Rear view & panoramic view
- B** Wide rear view
- C** Rear view
- D** Touch the display mode switching button

● If the camera switch is pressed when the vehicle is moving at about 20 km/h (12 mph) or less, the panoramic view monitor screen will be displayed. When the vehicle exceeds about 20 km/h (12 mph), the panoramic view monitor screen will disappear and the previous screen will be displayed.

Display mode when the shift lever is in “P”

This is a mode that displays images combined from the cameras to enable you to check obstacles around the vehicle. Images are displayed as if seen from the driver’s seat and on an angle from above the vehicle.

- 1 Shift the shift lever to “P”.
 - 2 Press the camera switch.
- The mode changes every time the display mode switching button is touched.
 - Pressing the camera switch again returns the display to the previous screen, such as the navigation screen.
- See-through view



- Moving view



- A** Screen off button

Turns off the camera screen and returns the previous screen, such as the navigation.

- B** Display mode switching button

Switches between see-through view and moving view.

C Rotation pause/resume button

Pauses and resumes the rotation of the display.

D Customize settings button

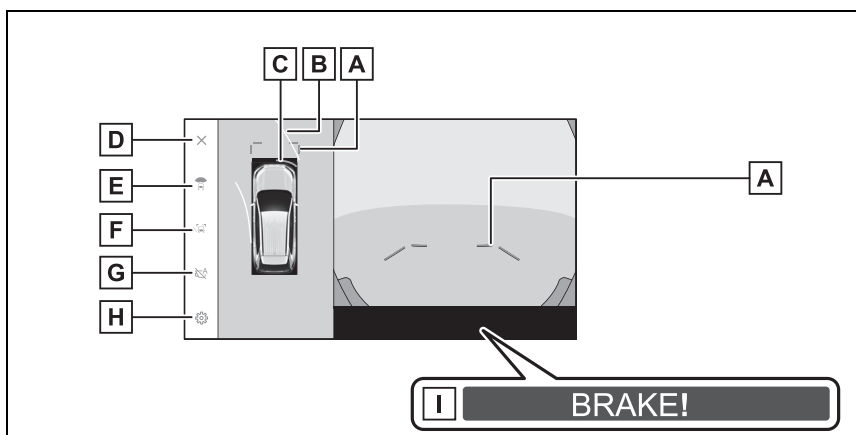
Changes settings, such as the automatically display cornering view, the vehicle body color. (→P.242)

-
- When the Toyota parking assist-sensor is turned on, you can display see-through view or moving view. (For details about the Toyota parking assist-sensor, see the separate "Owner's manual")
 - You can also pause and resume the rotation of the see-through view and moving view screen by touching any point on the screen.

Display mode when the shift lever is in “D” or “N”

You can check for nearby pedestrians, bicycles, and vehicles at intersections with poor visibility and T-junctions by displaying vision of your surroundings on the screen. This mode also provides support to check both sides of the vehicle for safety, avoid collisions on narrow roads, and pulling over to the side of the road.

- 1 Shift the shift lever to “D” or “N”.
 - 2 Press the camera switch.
 - The mode changes every time you press the camera switch.
 - If the cornering view mode is on and you turn the steering wheel more than 180 degrees from the straight position, the display will change from side clearance view & panoramic view to cornering view & panoramic view.
- Wide front view & panoramic view



A Front distance guide lines

Displays about 1 m (3 ft.) in front of the vehicle.

B Forward estimated course lines

Displays course lines that are linked to operation of the steering wheel. (Yellow)

These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.

C Toyota parking assist-sensor*

Displays an indicator on the screen and sounds a buzzer when an object is detected

by a sensor. (For details about the Toyota parking assist-sensor, see the separate "Owner's manual")

D Screen off button

Turns off the camera screen and returns the previous screen, such as the navigation.

E Display mode switching button

Switches display mode every time you touch the button.

F Guide line switching button

Switches guide line mode every time you touch the button. (→P.226)

G Automatic display button

Turns auto display mode on or off. When the shift lever is in "D" or "N", wide front view & panoramic view or side clearance view/cornering view & panoramic view will be automatically displayed in accordance with the vehicle speed. (→P.226)

H Customize settings button

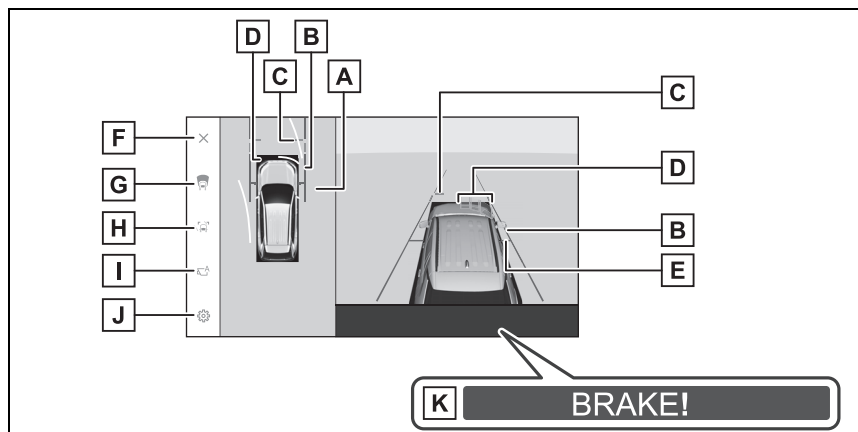
Changes settings, such as the automatically display cornering view, the vehicle body color. (→P.242)

I PKSB (Parking Support Brake)*

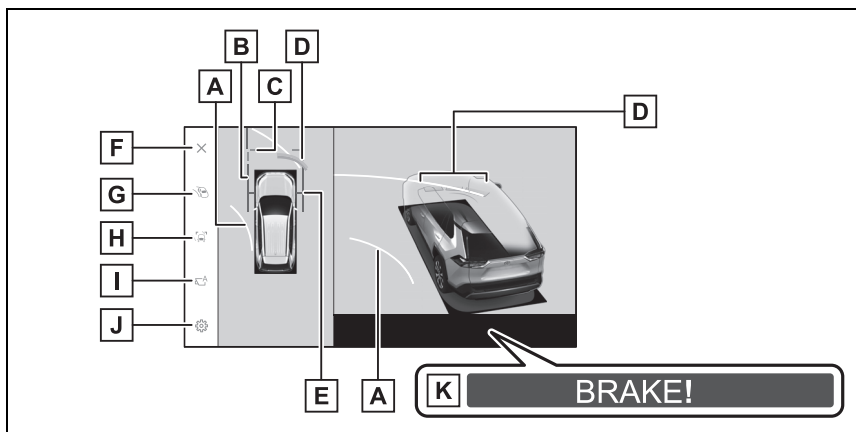
If an object that you may collide with is detected, a message is displayed on the screen. (For details about PKSB (Parking Support Brake), see the separate "Owner's manual".)

*: If equipped

► Side clearance view & panoramic view



▶ Cornering view & panoramic view


A Forward estimated course lines

Displays course lines that are linked to operation of the steering wheel. (Yellow)
These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.

B Vehicle width guide lines

Shows guide lines of the vehicle's width including the outside rear view mirrors.

C Front distance guide lines

Displays about 1 m (3 ft.) in front of the vehicle.

D Toyota parking assist-sensor*

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor. (For details about the Toyota parking assist-sensor, see the separate "Owner's manual".)

E Front tire guide lines

Displays the position of the front tires.

F Screen off button

Turns off the camera screen and returns the previous screen, such as the navigation.

G Display mode switching button

Switches display mode every time you touch the button.

H Guide line switching button

Switches guide line mode every time you touch the button. (→P.226)

I Automatic display button

Turns the auto display mode on or off. When the shift lever is in "D" or "N", wide front view & panoramic view or side clearance view/cornering view & panoramic view will be automatically displayed in accordance with the vehicle speed. (→P.226)

J Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color. (→P.242)

K PKSB (Parking Support Brake)*

If an object that you may collide with is detected, a message is displayed on the screen. (For details about PKSB (Parking Support Brake), see the separate "Owner's manual".)

*: If equipped

- When the Toyota parking assist-sensor is turned on, you can display side clearance view & panoramic view/cornering view. (For details about the Toyota parking assist-sensor, see the separate "Owner's manual")
- The display position of the Toyota parking assist-sensor may not match the position of the obstacle displayed in the camera image.

**WARNING**

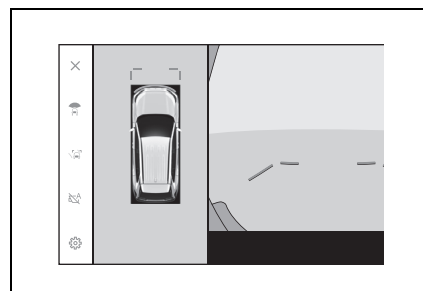
- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.
- The Toyota parking assist-sensor display is superimposed on the camera image, so it may be difficult to see depending on the brightness of the surroundings and colors.

Changing the guide line display mode

The guide line display mode changes every time the guide line display mode button is touched.

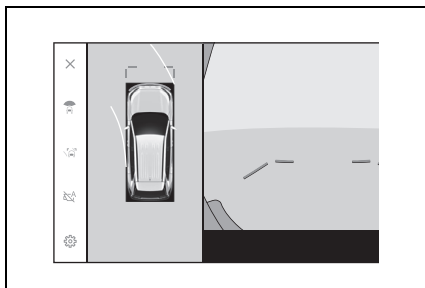
■ Distance guide lines mode

Displays about 1 m (3 ft.) in front of the vehicle. (Blue)

**■ Estimated course lines mode**

Displays course lines that are linked to operation of the steering

wheel. (Yellow) These lines are displayed when the steering wheel is turned more than 90 degrees from the straight position.



Auto display mode

Although you can display wide front view & panoramic view and side clearance view & panoramic view/cornering view by pressing the camera switch, you can also set auto display mode to display the views automatically in accordance with the vehicle speed.

- Touching the automatic display button [] turns on auto display mode.
- Turning on auto display mode automatically displays the views in the following situations:
 - When the shift lever is in “D” or “N”
 - The vehicle decelerates to less than 10 km/h (6 mph) (the shift lever is in any position other than “R”)

Cornering view auto display

You can set the cornering view auto display mode to automatically display cornering view & panoramic

view in accordance with the operation of the steering wheel.

- Turning on cornering view auto display mode automatically displays cornering view in the following situations:
 - When the shift lever is in “D” or “N”
 - The vehicle decelerates to less than 10 km/h (6 mph)
 - When the steering wheel is turned by 180 degrees or more from the center (straight-line) position

- You can change cornering view auto mode in the custom settings.

Toyota parking assist-sensor linked display

Depending on the Toyota parking assist-sensor detection state, wide front view & panoramic view/Side clearance view/Cornering view & panoramic view will be displayed.

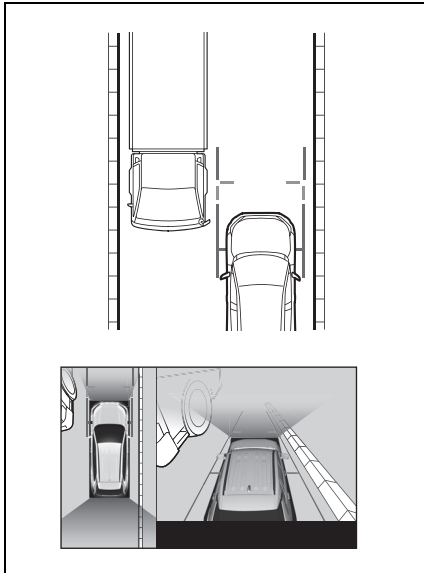
- The views are displayed automatically in the following case:
 - When the Toyota parking assist-sensor detects an obstacle (when the shift lever is in “D” or “N”)
- The display returns to the previous screen automatically in the following case:
 - When the Toyota parking assist-sensor stops detecting an obstacle

- You can also return to the previous screen by pressing the camera switch displayed on the screen.

Using the vehicle width guide lines

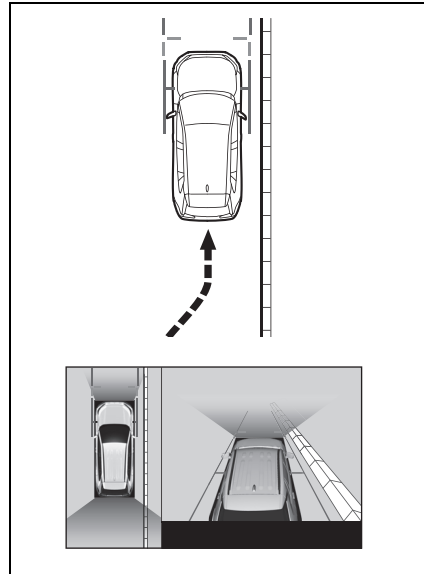
■ Side clearance view & panoramic view

- Check the positional relationship between the vehicle width guide lines and an obstacle.
- Turn the steering wheel and drive forward so that the vehicle width guide lines do not overlap the actual obstacle.



- Check the positional relationship between the vehicle width guide lines and an object such as curbs on the shoulder of a road.
- Pull the vehicle over so that the vehicle width guide lines do not overlap the obstacle as shown in the figure.
- By driving with the vehicle width

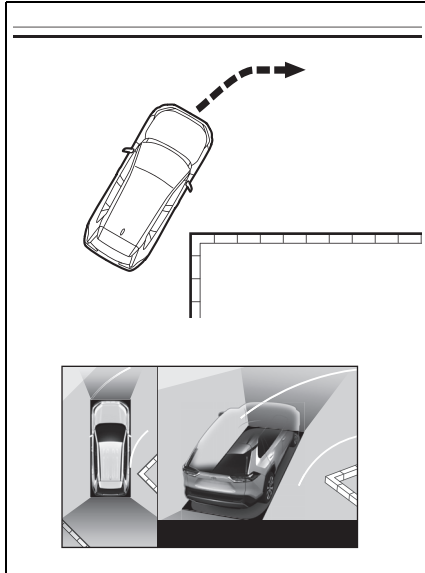
guide lines parallel to the object, you can park alongside the object.



Using the forward estimated course lines

■ Cornering view & panoramic view

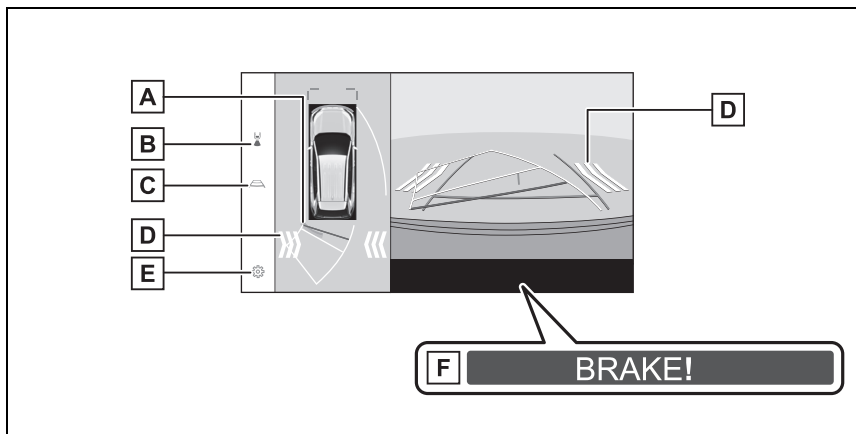
- Check the positional relationship between the forward estimated course lines and an obstacle.
- Turn the steering wheel and drive forward so that the forward estimated course lines do not overlap the actual obstacle.



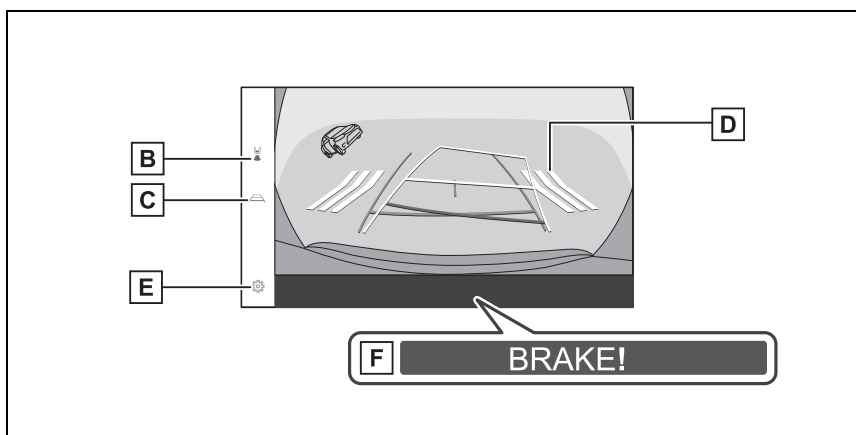
Display mode when the shift lever is in “R”

To check for safety when parking the vehicle, an image is displayed from above the vehicle and from the rear camera.

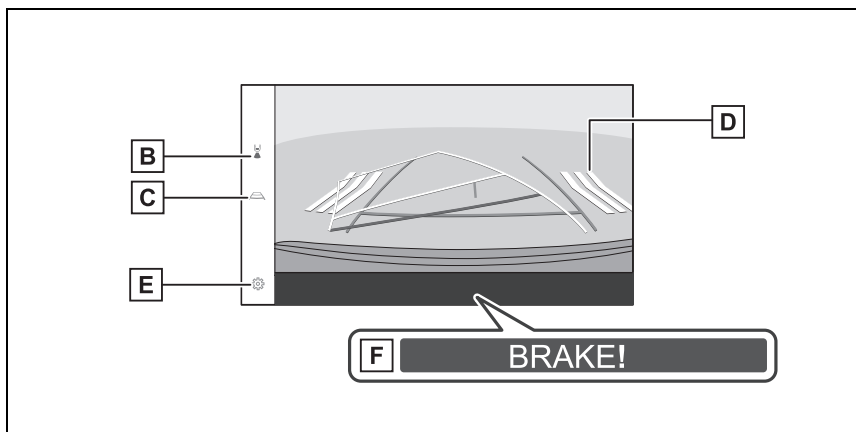
- 1 Shift the shift lever to “R”.
- The mode changes every time you touch the display mode switching button.
- Rear view & panoramic view



- Wide rear view



▶ Rear view


A Toyota parking assist-sensor*

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor. (For details about the Toyota parking assist-sensor, see the separate "Owner's manual".)

B Display mode switching button

Switches display mode every time you touch the button.

C Guide line switching button

Switches guide line mode every time you touch the button. (→P.231)

D RCTA (Rear Crossing Traffic Alert)*

When the rear radar detects that a vehicle is approaching from the rear, an indicator is displayed on the screen. (For details about RCTA (Rear Crossing Traffic Alert), see the separate "Owner's manual".)

E Customize settings button

Changes settings, such as the automatically display cornering view, the vehicle body color. (→P.242)

F PKSB (Parking Support Brake)*

If an object that you may collide with is detected, a message is displayed on the screen. (For details about PKSB (Parking Support Brake), see the separate "Owner's manual".)

*: If equipped

● Pressing the camera switch when the shift lever is in "R" enables you to change to panoramic view & wide front view.

- The display position of the Toyota parking assist-sensor may not match the position of the obstacle displayed in the camera image.

**WARNING**

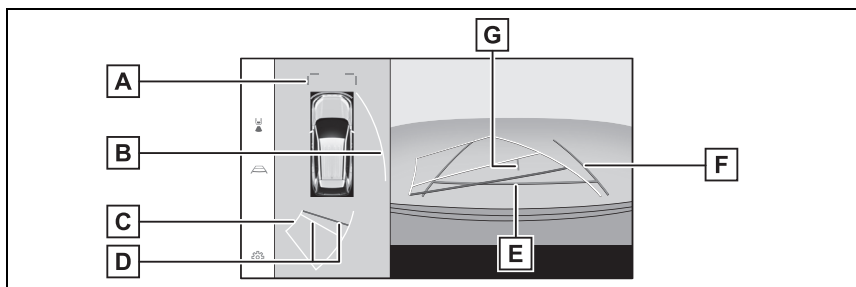
- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.
- The Toyota parking assist-sensor and Rear Crossing Traffic Alert (RCTA) displays are superimposed on the camera image, so it may be difficult to see depending on the brightness of the surroundings and colors.

Changing the guide line display mode

The guide line display mode changes every time you touch the guide line switching button.

■ Estimated course lines mode

This mode displays estimated course lines that move in accordance with the operation of the steering wheel.

**A** Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Side estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

C Reverse estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

D Rear distance guide lines

Displays the distance behind the vehicle.

- The distance guide line is linked to the estimated course lines.
- Displays about 0.5 m (1.5 ft.) (red) and 1 m (3 ft.) (yellow) from the center of the end of the rear bumper.

E Rear distance guide line

Displays about 0.5 m (1.5 ft.) (blue) from the end of the rear bumper.

F Vehicle width guide lines

Displays course lines when the vehicle is being reversed in a straight line.

- The lines are wider than the actual width of the vehicle.
- When the vehicle is straight, the guide lines will overlap with the estimated course lines.

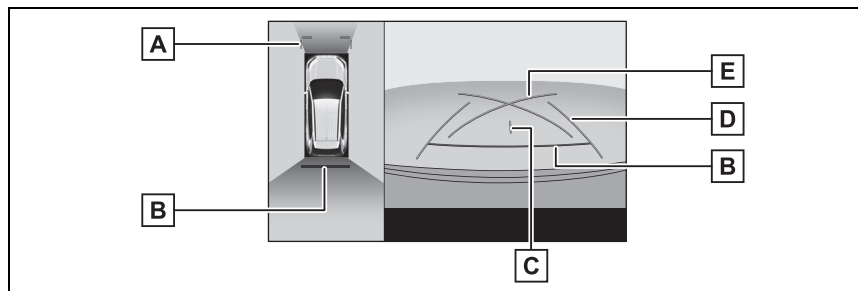
G Vehicle center guide line

Displays the center of the vehicle width guide lines.

Parking assist guide lines mode

This mode displays the steering wheel return points (parking assist guide lines).

This mode is recommended for those who have a sense of the vehicle and can park the vehicle without the aid of the estimated course lines.



A Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Rear distance guide lines

Displays the distance behind the vehicle.

- Displays about 0.5 m (1.5 ft.) (red) from the center end of the rear bumper.

C Vehicle center guide line

Displays the center of the vehicle width guide lines.

D Vehicle width guide lines

Displays course lines when the vehicle is being reversed in a straight line.

- The lines are wider than the actual width of the vehicle.

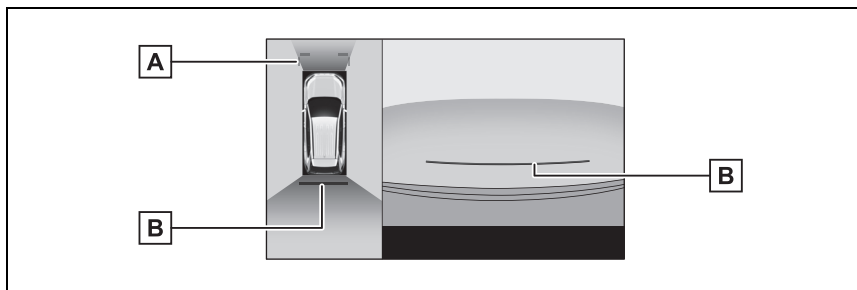
E Parking assist guide lines

Displays the course lines of the smallest turn possible behind the vehicle.

- Use this as a guide for the position to operate the steering wheel when parking.

Distance guide lines mode

This mode only displays the distance guide lines. It is recommended for those who do not need the guide lines.



A Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Rear distance guide lines

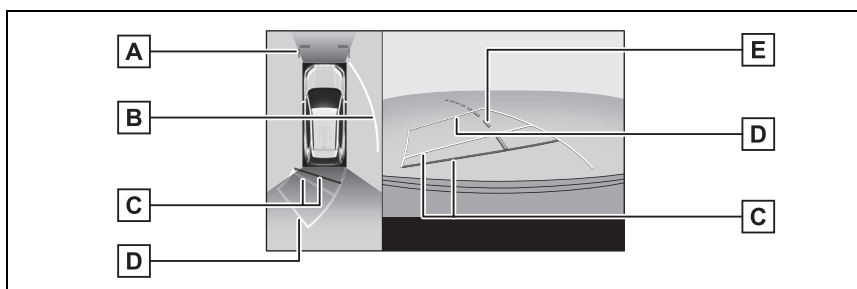
Displays the distance behind the vehicle.

- Displays about 0.5 m (1.5 ft.) (red) from the center end of the rear bumper.

Estimated course center line mode

This mode displays estimated course lines and a vehicle center guide line that move in accordance with the operation of the steering wheel.

Use this mode when approaching a signpost or pole with the center of the rear bumper.



A Front distance guide lines

Displays about 1 m (3 ft.) (blue) in front of the vehicle.

B Side estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

C Rear distance guide lines

Displays the distance behind the vehicle.

- The distance guide line is linked to the estimated course lines.
- Displays about 0.5 m (1.5 ft.) (red) and 1 m (3 ft.) (yellow) from the center of the end of the rear bumper.

D Reverse estimated course lines

Displays course lines (yellow) that are linked to operation of the steering wheel.

E Estimated course center line

Displays the vehicle center guide line (green) that is linked to operation of the steering wheel.

- The guide lines will not be displayed if the back door is not closed. If the back door is closed but the guide lines are still not displayed, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

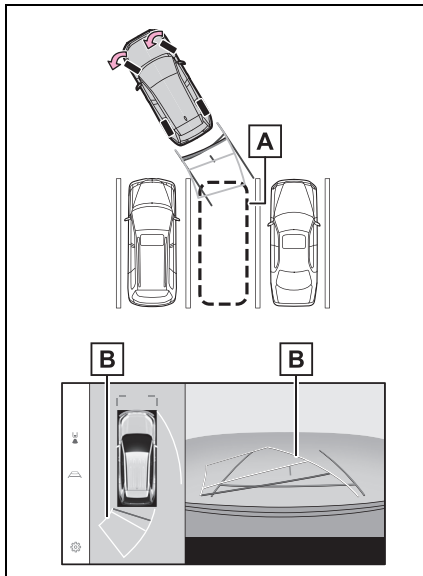
**WARNING**

- The rear vehicle width guide lines are wider than the actual width of the vehicle. Always make sure to visually check behind you and your surroundings when you are reversing.

Parking using the estimated course lines mode

- 1 Shift the shift lever to “R”.
- 2 Turn the steering wheel so that the estimated course lines are

within the parking space and then reverse slowly.

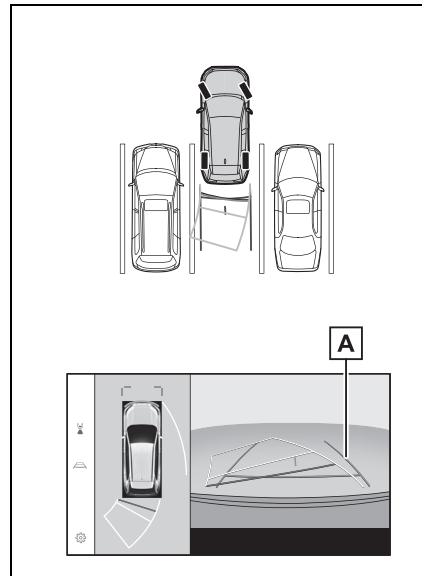


A Parking space

B Estimated course lines

- 3** When the rear of the vehicle has entered the parking space, turn the steering wheel so that the vehicle width guide lines are

within the left and right dividing lines of the parking space.



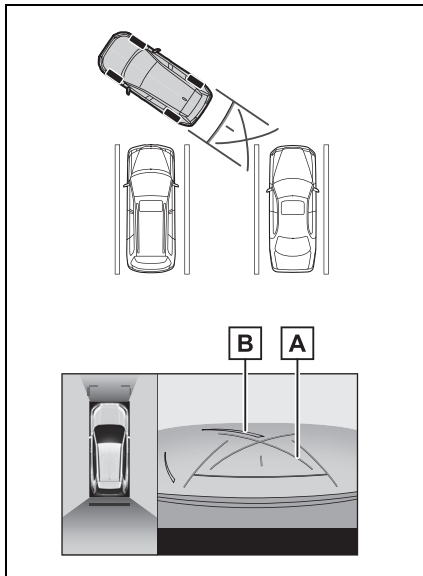
A Vehicle width guide lines

- 4** Once the vehicle width guide lines and the parking space lines are parallel, straighten the steering wheel and reverse slowly until the vehicle has completely entered the parking space.
- 5** Stop the vehicle in an appropriate place to finish parking.

Parking using the parking assist guide lines mode

- 1** Shift the shift lever to "R".
- 2** Reverse until the parking assist guide lines align with the left-

hand dividing line of the parking space.



A Parking assist guide lines

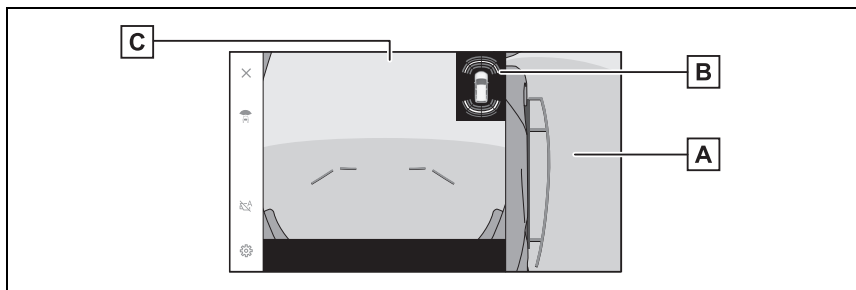
B Parking space dividing line

- 3** Turn the steering wheel all the way to the right, and reverse slowly.
- 4** Once the vehicle is parallel with the parking space, straighten the steering wheel and reverse slowly until the vehicle has completely entered the parking space.
- 5** Stop the vehicle in an appropriate place to finish parking.

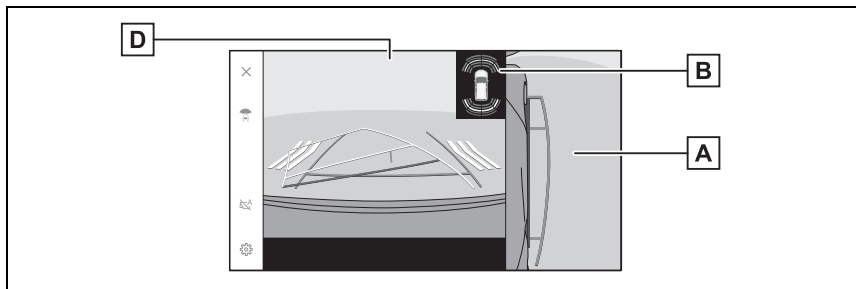
The screen when the outside rear view mirrors are folded

When the outside rear view mirrors are folded, an image from the side cameras rather than panoramic view will be displayed. This can assist you in confirming that the vicinity of the vehicle is safe when you are parking in a narrow place.

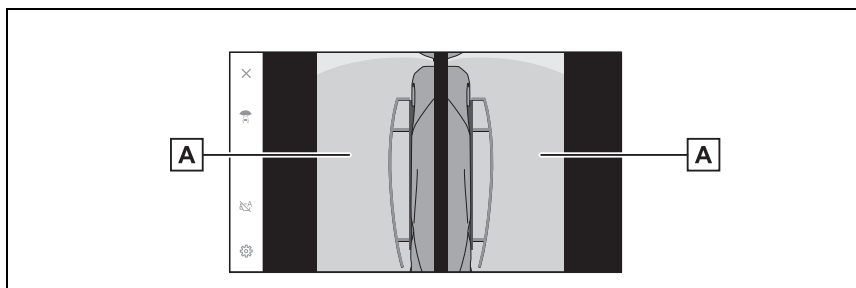
- Side view & Wide front view



- Side view & Rear view



- Side views



- A Side views

B Toyota parking assist-sensor*

Displays an indicator on the screen and sounds a buzzer when an object is detected by a sensor. (For details about the Toyota parking assist-sensor, see the separate "Owner's manual")

C Wide front view**D** Rear view

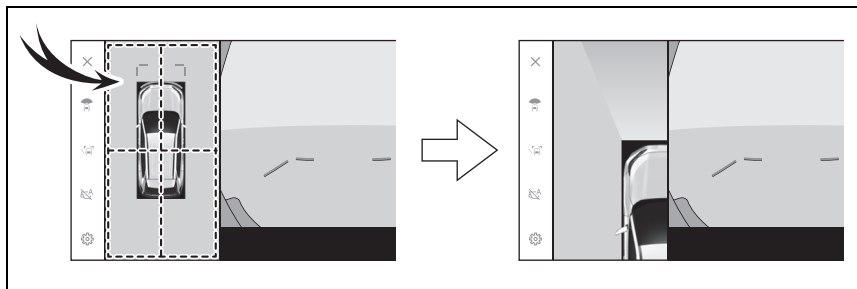
* : If equipped

-
- The display position of the Toyota parking assist-sensor may not match the position of the obstacle displayed in the camera image.

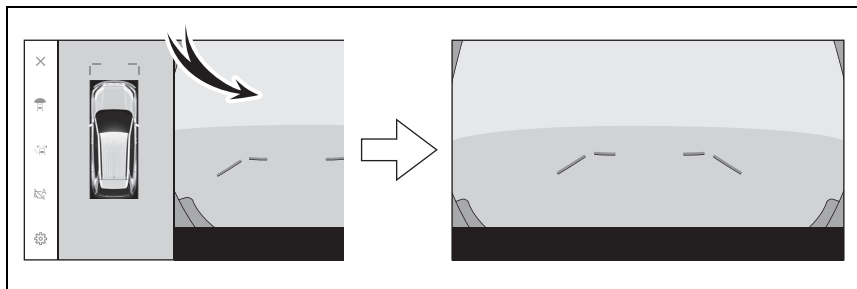
Zooming in on the screen

Zooming in on the screen can be done if the image on the screen is too small and hard to see.

Touch the area that you want to zoom in on the panoramic view or wide front view.



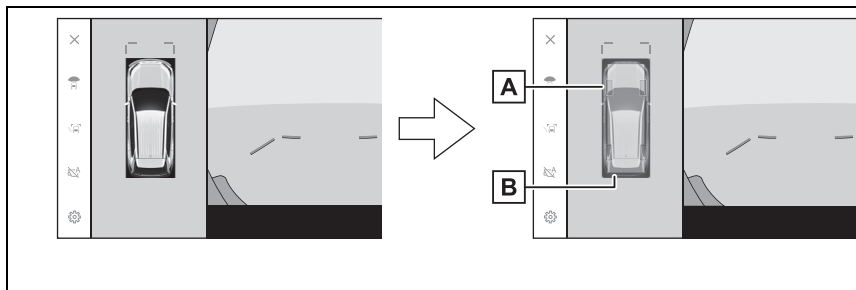
► Wide front view



- The selected area is zoomed in on.
 - You can zoom in on one of four places in front or behind the vehicle in panoramic view.
 - To cancel the zoom, touch the screen again.
-
- The zoom feature is enabled when all of the following conditions are met:
 - The vehicle speed is below 12 km/h (7 mph)
 - The Toyota parking assist-sensor is turned on
 - In any of the following situations, the zoom feature will be canceled automatically:
 - The vehicle speed is above 12 km/h (7 mph)
 - The Toyota parking assist-sensor is turned off
 - The guide lines will not be displayed when the panoramic view is zoomed.

Displaying transparent underfloor vision

A composite of camera vision captured in the past from the current vehicle position to assist understanding of the situation under the vehicle, tire positions, and so on can be displayed. The vision is displayed in panoramic view, side clearance view, or cornering view.



A Tire tracks

Displays the tire position guides linked to the steering wheel.

B Vehicle guide lines

Displays the exterior of the vehicle.

- Transparent underfloor vision is displayed when the setting on the customized setting screen is turned on and the vehicle is moving forward or backward.
- Transparent underfloor vision is not displayed in the following cases:
 - The vehicle speed is above 20 km/h (12 mph)
 - The vehicle stops and a certain amount of time passes
 - If the vehicle does not move a certain distance after it is started
 - The side mirrors are folded
 - ABS is operating
 - The system is not functioning correctly
- The system may not function correctly in the following situations:
 - Snow covered roads
 - There are shadows from lights and so forth
 - There is dirt or a foreign object on the camera lens
 - Water (river, sea, etc.)
 - Optional equipment has been installed
 - There is an obstacle in front of the camera
 - The tires were replaced
 - The back door is open and the camera is not in the correct position
 - The road surface is slippery or the wheels slip
 - The vehicle is on a hill or other steep roads
- As vision that was captured in the past is being displayed, the screen and the actual situation may differ in the following cases:
 - An obstacle appears or moves after vision is captured

- Sand or snow crumbles and moves after vision is captured
- Mud or puddles are in the display range
- When the vehicle slips
- Part or all of the transparent underfloor vision may appear black in the following cases:
 - The vehicle starts moving with no captured vision
 - The steering wheel is turned more than a certain angle
 - The vehicle stops and a certain amount of time passes

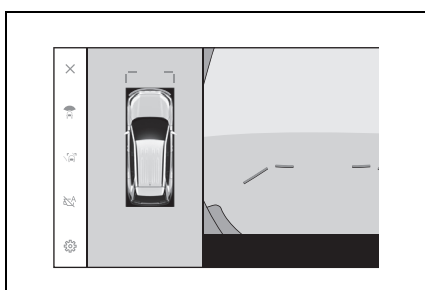
**WARNING**

- The tire and vehicle guide lines may not align correctly with the actual vehicle position due to the number of passengers, vehicle load, road gradient, road surface conditions, brightness of the surroundings, optional equipment, tire replacements, and other reasons. Always make sure to check your surroundings while you are driving.
- Displayed vision is vision that was captured in the past. Therefore, if obstacles and other objects move after being captured, the transparent underfloor vision and the actual situation may not always match.

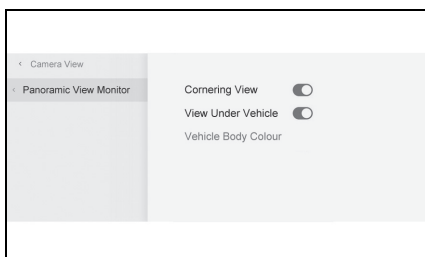
Changing the panoramic view monitor settings

Settings related to panoramic view monitor such as the cornering view auto display and vehicle body color can be changed.

- 1 Touch [⚙️].



- 2 Select the desired item.



- [Cornering View]

Automatically display the cornering view.

- [View Under Vehicle]

Turn the transparent underfloor vision display setting on or off. Setting it to on and moving the vehicle forward or backwards displays a composite of camera vision captured in the past from the current vehicle position to assist understanding of the situation under the vehicle, front tire positions, and so on.

The vision is displayed in panoramic view, side clearance view, or cornering view.

- [Vehicle Body Colour]

Change the vehicle body color displayed on the screen. (→P.242)

- For safety purposes, you cannot display the custom settings screen while the vehicle is moving.

Changing the body color

Change the vehicle body color displayed on the screen.

- 1 Touch [Vehicle Body Colour].
- 2 Select the desired body color.
- 3 Touch [OK].

Precautions for the panoramic view monitor

Always make sure to visually check behind you and your surroundings while driving. If not, collision with other vehicles or an unforeseen accident may occur.

Follow the below precautions when using the panoramic view monitor.



WARNING

- Never depend on the panoramic view monitor entirely. Always make sure to visually check behind you and your surroundings as you would when driving any other vehicle. In particular, be careful not to collide with vehicles parked nearby or other objects.
- Always make sure to visually check behind you and your surroundings while you are driving.
- Never drive while looking only at the screen. The image on the screen may be different to the actual conditions. Moreover, there is a limit to the range of image that the camera can capture. Never turn or reverse only looking at the screen. Doing so may result in a collision with another vehicle or some other unforeseen accident. Be sure to visually check the vehicle's surroundings and use the vehicle's rear-view and side mirrors.
- The position of the guide lines displayed on the screen may change due to factors such as number of passengers, load weight, and road gradient. Always make sure to visually check behind you and your surroundings while you are driving.

- Do not use the panoramic view monitor in the following cases:

- On icy or slick road surfaces, or in snow
- When using tire chains or emergency tires
- When the front door(s) or back door are not closed completely
- On roads that are not flat, such as hills
- If the tires of a size other than specified by Toyota are installed
- If the suspension has been modified
- If a non-Toyota product is installed on the area displayed on the screen

- In low external temperatures, the screen may darken or the image may become faint. The image could distort when the vehicle is moving, or you may not be able to see the image on the screen, so always visually check your surroundings while you are driving.

- If you replace your tires, the position of the guide lines displayed on the screen may be incorrect.



NOTICE

- See-through view, moving view, panoramic view, side clearance view, and cornering view produce an image that is a composite of images captured by the front camera, rear camera, and side cameras. As there is a limit to the displayable range and content, make sure you fully understand the features of the panoramic view monitor before you use it.



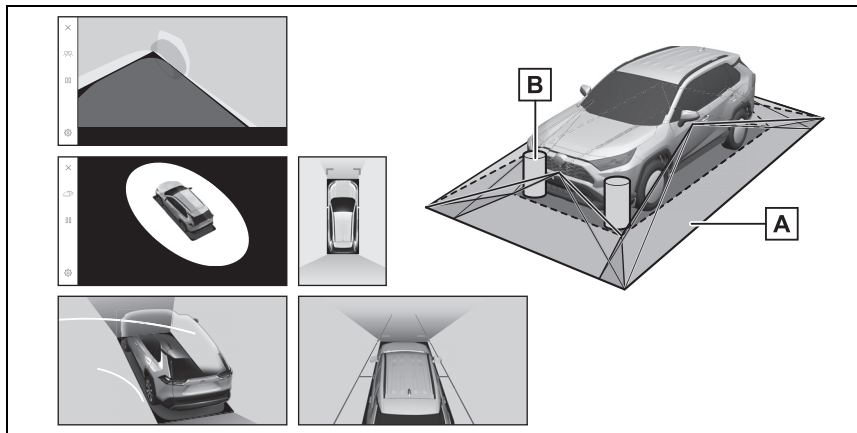
NOTICE

- The four corners of the see-through view, moving view, panoramic view, side clearance view, and cornering view have a video composition processing region centered on borders of the cameras, and image clarity may decline. However this is not a fault.
- Depending on lighting conditions near each camera, bright and dark patches may appear on the see-through view, moving view, panoramic view, side clearance view, and cornering view.
- See-through view, moving view, panoramic view, side clearance view, and cornering view does not extend higher than the installation position and image capture range of each camera.
- There are blind spots around the vehicle and as such there are regions not displayed on the panoramic view monitor.
- Three-dimensional objects displayed in wide front view, rear view, wide rear view or side view may not be displayed in see-through view, moving view, panoramic view, side clearance view, and cornering view.
- People and other three-dimensional obstacles may appear differently when displayed on the panoramic view monitor. (These differences include cases in which displayed objects appear to have fallen over, disappear near image processing regions, appear from video composition processing areas, or when the actual distance to an object differs from the displayed position.)
- When the back door, which is equipped with the rear camera, or front doors, which are equipped with side mirrors that have the built-in side cameras, are open, images will not be displayed properly on the panoramic view monitor.
- The vehicle icon displayed in see-through view, moving view, panoramic view, side clearance view, and cornering view is a computer generated image, so the color, shape and size will differ from the actual vehicle. Therefore, nearby three-dimensional objects may appear to be touching the vehicle, and actual distances to three-dimensional objects may differ from those displayed.
- The camera may not function correctly and the image may be displayed on the screen in the following manner:
 - When the shift lever is in any position other than R, the camera image continue to be displayed.
 - When the shift lever is in "R", part or all of the screen may appear black
 - When the shift lever is in "R", the screen may not change to the camera image
 - The guide lines are not displayed on the camera image, and attention symbols and caution notices are displayed

Area displayed on the screen

There are blind spots around the vehicle and as such there are regions not displayed on the screen. Even if nothing around the vehicle is displayed on the screen, there may actually be obstacles on the road, which you may collide with.

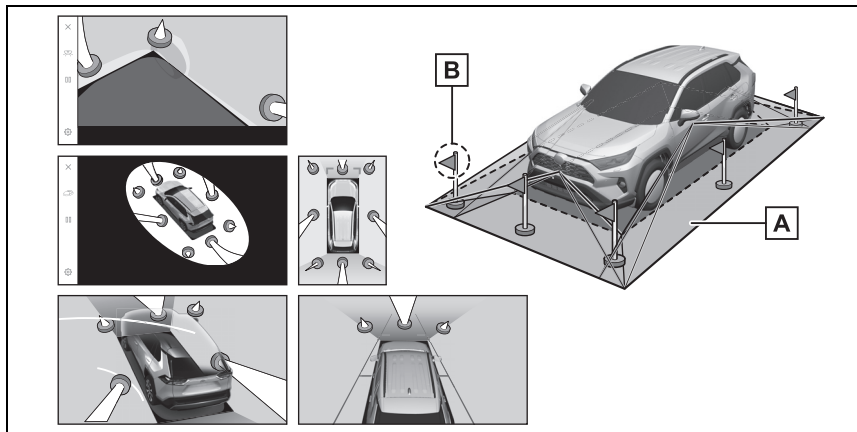
Always make sure to visually check your surroundings.



A Area displayed on the screen

B Objects not displayed on the screen

Objects in the black areas do not appear on the screen.

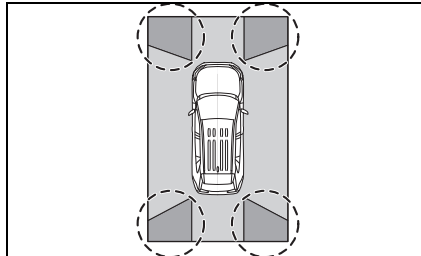


A Area displayed on the screen

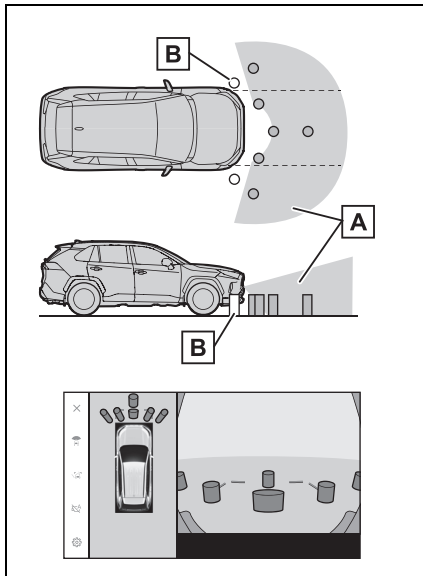
B Parts of objects not displayed on the screen

Parts higher than the road do not appear on the screen.

- The black parts around the vehicle icon are not displayed by the camera. Visually check those areas.
- As the images are obtained from four cameras are processed and displayed on the standard of a flat road surface, see-through view, moving view, panoramic view (including zoomed display), side clearance view, and cornering view may be displayed as follows:
 - Objects may look collapsed; thinner or bigger than usual.
 - An object with a higher position than the road surface may look further away than it actually is or may not appear at all.
 - Tall objects may appear protruding from the non-displayed areas of the image.
- Variations in the brightness of the image may appear for every camera due to lighting conditions.
- The displayed image may be misaligned due to inclination of the vehicle body or change in vehicle height caused by the number of passengers, vehicle load, and quantity of fuel.
- If the doors are not completely closed, the image and the guide lines may not be displayed correctly.
- The positional relationship of the road surface and objects with the vehicle icon displayed on see-through view, moving view, panoramic view (including zoomed display), side clearance view, and cornering view may differ to the actual positions.
- Light from a back-lit license plate may appear on the screen.
- Images indicated by [○] in the figure are a composite, and hence some areas may be difficult to see.



■ Wide front view



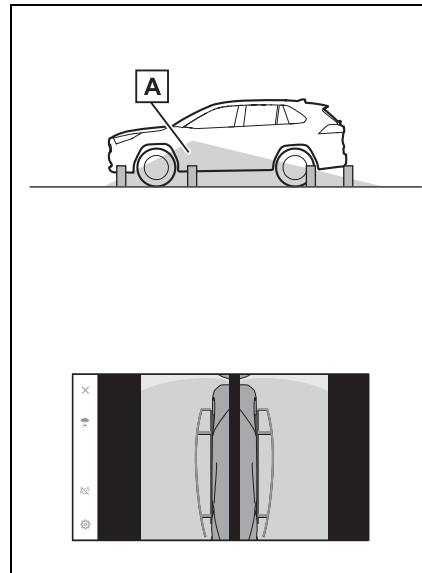
A Area displayed on the screen

B Objects not displayed on the screen

Areas close to both corners of the bumpers will not appear on the screen.

- The area covered by the camera is limited. Objects that are close to either corner of the bumper or under the bumper cannot be displayed on the screen.
- The depth perception of the image displayed on the screen differs to the actual distance.
- The wide front view camera uses a special lens, so the depth perception of the image displayed on the screen differs to the actual distance.

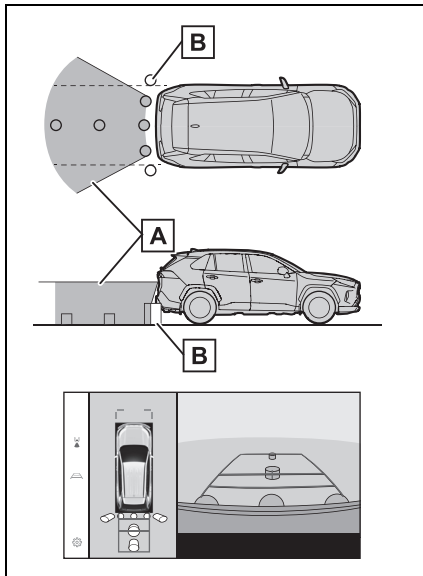
■ Side views (when the side mirrors are folded)



A Area displayed on the screen

- The range that is displayed on the screen may differ due to the state of the vehicle and road surface.
- The area covered by the camera is limited. Objects that are close to the bumper on the passenger's side or under the bumper cannot be displayed on the screen.
- The depth perception of the image displayed on the screen differs to the actual distance.
- The cameras on side views use a special lens, so the depth perception of the image displayed on the screen differs to the actual distance.

■ Rear view

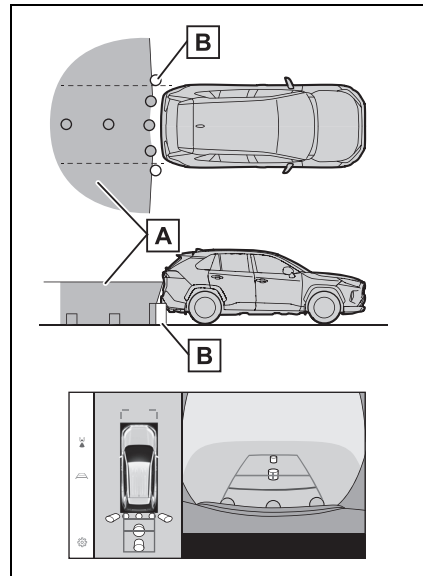


A Area displayed on the screen

B Objects not displayed on the screen

Areas close to both corners of the bumpers will not appear on the screen.

■ Wide rear view



A Area displayed on the screen

B Objects not displayed on the screen

Areas close to both corners of the bumpers will not appear on the screen.

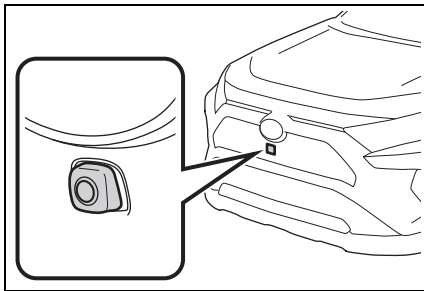
- The range that is displayed on the screen may differ due to the state of the vehicle and road surface.
- The area covered by the camera is limited. Objects that are close to either corner of the bumper or under the bumper cannot be displayed on the screen.
- The depth perception of the image displayed on the screen differs to the actual distance.
- The rear view and wide rear view cameras use a special lens, so the depth perception of the image displayed on the screen differs to the actual distance.
- Objects that are higher than the rear camera may not appear in the moni-

tor.

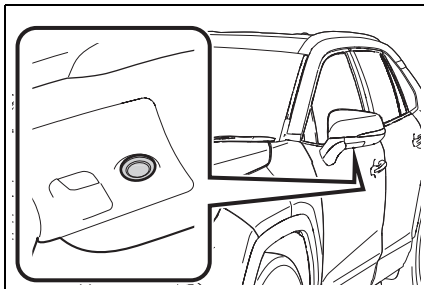
Camera position

The panoramic view monitor cameras are in the locations shown in the figures.

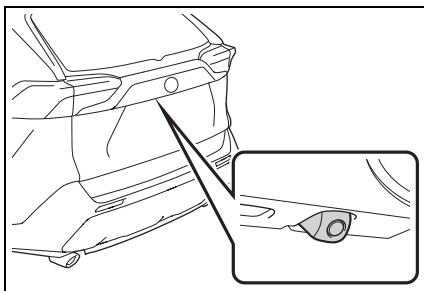
■ Front camera



■ Side cameras



■ Rear camera



Cleaning the camera

If dirt or foreign matter, such as water droplets, snow, or mud, has stuck to the camera, you will not be able to see the image clearly. If that happens, splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth.



NOTICE

- The panoramic view monitor may stop functioning correctly. Take note of the following items:
 - Do not hit or apply a forceful impact on the camera. Doing so may change the position and mounting angle of the camera.
 - The camera is designed to be waterproof. Do not detach, disassemble, or modify it.
 - When washing the camera lens, splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth. Rubbing the camera lens forcibly may scratch the camera lens and you may no longer be able to see images clearly.
 - The camera cover is made of resin. Do not allow an organic solvent, car wax, window cleaner, or glass coating to adhere to the camera. If this happens, wipe it off immediately.
 - Do not pour hot water on the vehicle in cold weather or apply other rapid changes of temperature.
 - If you wash the vehicle with a high pressure car washer, do not point the hose directly at the camera or camera area. Applying strong water pressure may result in the camera malfunctioning.

**NOTICE**

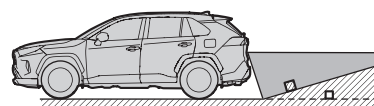
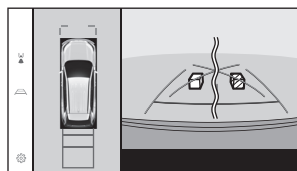
- If the camera is hit, it may cause a camera malfunction. If this happens, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer as soon as possible.

Differences between the screen and the actual road

The composite images on the panoramic view monitor and guide lines give a distance guide for flat road surfaces. Therefore, there is a margin of error between the guide lines on the screen and the actual distance and course on the road.

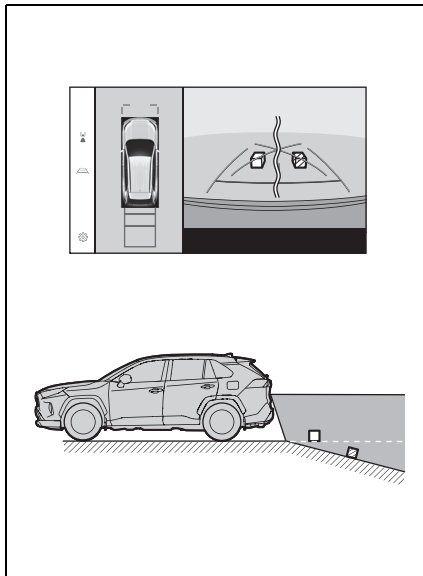
■ When the ground behind the vehicle slopes up sharply

The distance guide lines will appear to be closer to the vehicle than the actual distance. Thus, objects on up-slopes will appear to be farther away than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance and course on the road.



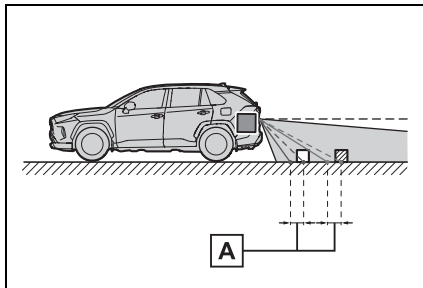
■ When the ground behind the vehicle slopes down sharply

The distance guide lines will appear to be further from the vehicle than the actual distance. Thus, objects on down-slopes will appear to be closer than they actually are. In the same way, there will be a margin of error between the guidelines and the actual distance and course on the road.



■ When any part of the vehicle sags

When any part of the vehicle sags due to the number of passengers or the distribution of the load, there is a margin of error between the guide lines on the screen and the actual distance and course on the road.



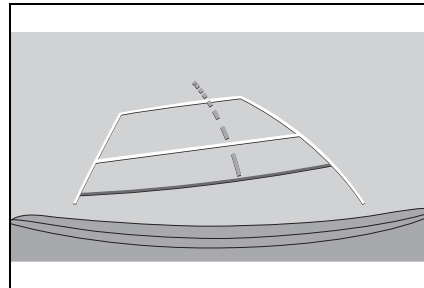
A Margin of error

■ Displaying panoramic view (including zoom display)

On the screen, it appears that there is a gap between the vehicle's bumper and another object or vehicle, and it does not look as if the vehicle will col-

■ Estimated course center line

As the guide lines are shown midair near the rear bumper, there are times that they may look like they are off-center.



Differences between the screen and actual 3D objects

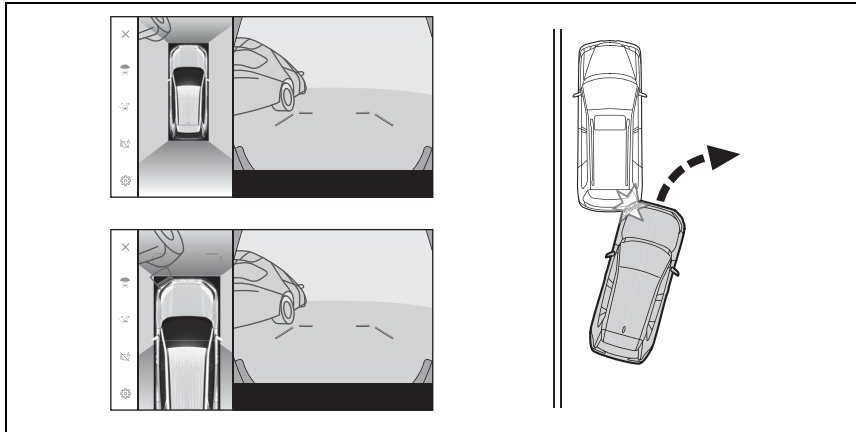
Since the estimated course lines and distance guide lines are displayed for a flat road surface, it is not possible to determine the position of three-dimensional objects.

When approaching a three-dimensional object that extends outward (such as the flatbed of a truck), take note of the following cautions.

⚠ WARNING

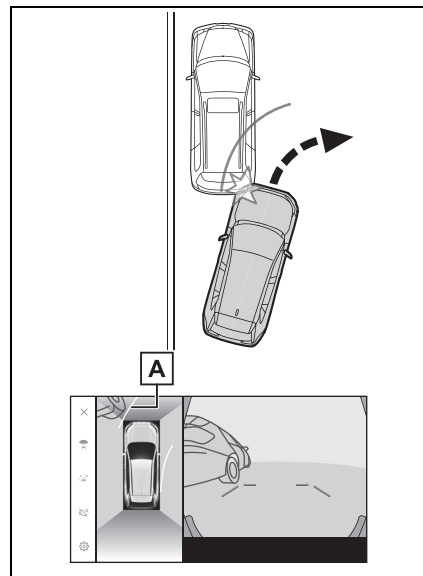
- When the Toyota parking assist-sensor display is red, make sure to visually check before moving the vehicle any further. There is the danger that you may collide with another vehicle or have some other unforeseen accident.

lide with the object or vehicle. However, the vehicle is over the course lines, so the vehicle may collide with the object or vehicle. Make sure to visually check your surroundings.



■ **Estimated course lines**

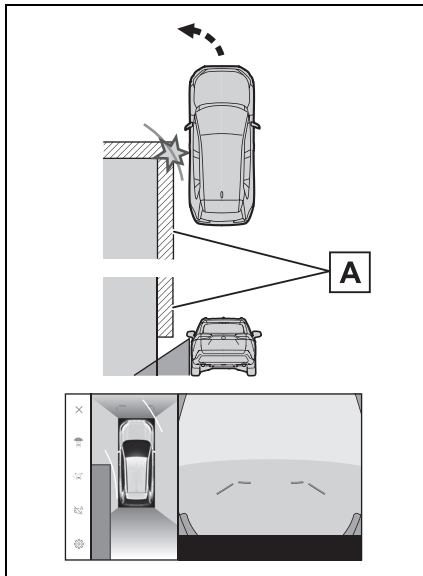
- On the screen, it appears that the vehicle's bumper is outside of the estimated course lines, and it does not look as if the vehicle will collide with the object or vehicle. However, the vehicle is over the course lines, so the vehicle may collide with the object or vehicle. Make sure to visually check your surroundings.



A Estimated course lines

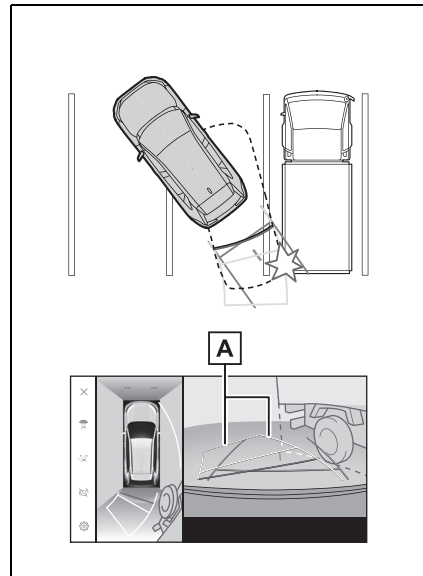
- Three-dimensional objects in high positions (such as the overhang of a wall or loading platform of a truck) may not appear on the screen. Make sure to visually

check your surroundings.



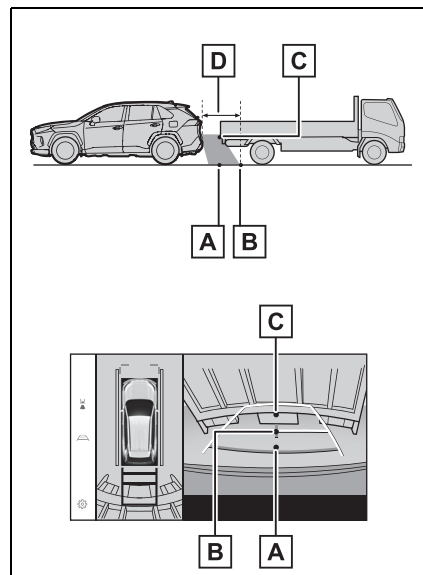
A Overhang of a wall

- On the screen, a truck flatbed may appear to be outside of the estimated course lines and the vehicle does not look as if it will collide with the truck. However, the flatbed may actually cross over the estimated course lines and if you reverse as guided by the estimated course lines, the vehicle may hit the truck. Make sure to visually check your surroundings.



A Estimated course lines

■ Distance guide lines

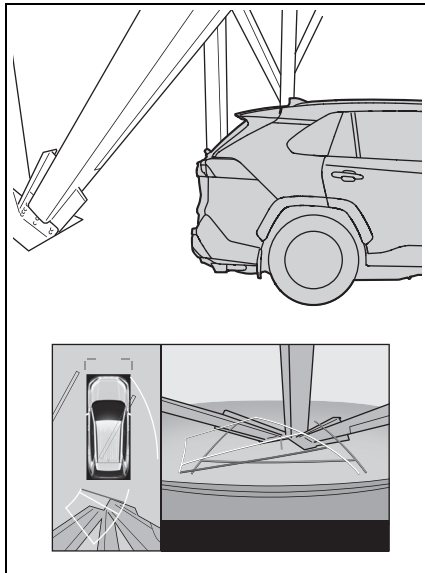


On the screen, the distance guide lines shows that a truck is parking at point **B**. However, in reality if

you reverse to point **A**, you will collide with the truck. On the screen, it appears that point **A** is closest followed by points **B** and **C**. However, in reality, the distance to points **A** and **C** is the same, and point **B** is farther than **A** and **C**. Make sure to visually check behind you and your surroundings. The distance to point **D** is about 1 m (3 ft.).

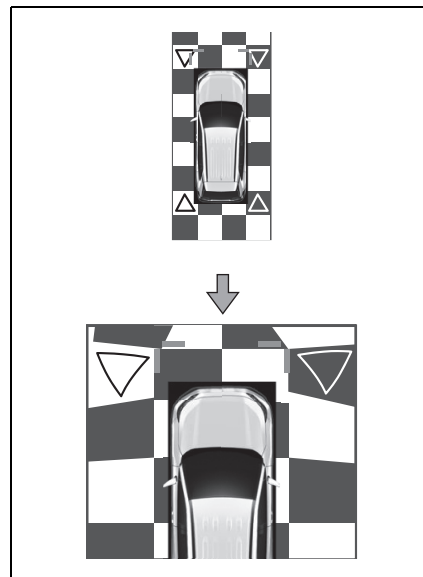
■ Overhang of a diagonal beam

In panoramic view, a diagonal beam may appear straight and seems likely not to be struck, however, since the top part of the is actually overhanging, the vehicle may hit it. Make sure to visually check the rear and surroundings.



■ Magnifying function

Unlike the normal panoramic view, the panoramic view magnifying function zooms in on the vehicle icon. Therefore, white lines on the road, walls, and other objects may look bent.



If you notice any symptoms

If you notice or are troubled by any of the symptoms below, check the issue again referring to the likely cause and solution.

If the symptom is not resolved by the solution, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Symptom	Likely cause	Solution
The screen is difficult to see	• The vehicle is in a dark area or it is night. • The temperature around the lens is either high or low. • The outside temperature is low. • There are water droplets on the camera. • It is raining or humid. • Foreign matter (mud etc.) is stuck to the camera. • Sunlight or headlights are shining directly into the camera. • The vehicle is under fluorescent lights, sodium lights, mercury lights, etc.	Visually check the vehicle's surroundings while you are driving. Use the panoramic view monitor again once the camera and conditions have improved. The procedure for adjusting the picture quality of the panoramic view monitor is the same as the procedure for adjusting the multimedia screen. (→P.55)
The image is blurry	Dirt or foreign matter, such as water droplets, snow, or mud, has stuck to the camera lens.	Splash the camera with a large amount of water and then wipe the camera lens clean with a soft, damp cloth.
The screen is misaligned	The camera has received a strong impact.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.

Symptom	Likely cause	Solution
The guide lines are significantly misaligned	The camera position is misaligned.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
	- The vehicle is tilted (There is a heavy load on the vehicle, tire pressure is low due to a tire puncture, etc.). - The vehicle is on an incline.	Visually check the vehicle's surroundings while you are driving.
The estimated course lines move even though the steering wheel is straight (the vehicle width guide lines and estimated course lines are out of alignment).	There is a malfunction in the signals being output by the steering sensor.	Have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
The guide lines are not displayed	The back door is open.	Close the back door. If this does not resolve the issue, have the vehicle inspected by any authorized Toyota retailer or Toyota authorized repairer, or any reliable repairer.
The panoramic view display cannot be enlarged. The see-through view/moving view, side clearance view, and cornering view cannot be displayed.	The Toyota parking assist-sensor may be malfunctioning or dirty.	Follow the correction procedures for malfunctions of the Toyota parking assist-sensor. (For details about the Toyota parking assist-sensor, see the separate "Owner's manual")

Information about free/open source software

This product contains free/open source software.

You can get information about free/open source software and/or source codes from the following URL:

<https://www.denso.com/global/en/opensource/svss/toyota>

9-1. Appendix

Information about media and
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Information about media and data that can be used in the audio system

Information about media that can be used

The specifications of the media and other devices that can be used are as follows.

■ Formats and specifications of USB flash drives

The formats and standards of the USB flash drives that can be used, and the restrictions for use, are as follows.

USB communication format	USB2.0 HS (480MBPS)
File format	FAT 16/32
Communication class	Mass storage class
Maximum number of folders	3000 (including root)
Maximum number of folder levels	8
Maximum number of files	9999 (maximum of 255 files per folder)
Memory capacity	Up to 32 GB
Maximum size of one file	2GB

- Files other than the formats above may not be played correctly, or information such as the file or folder name may not display correctly.
- Please understand in advance that this device may not be able to play your USB flash drive.
- Depending on the computer used to save files on a USB flash drive, hidden files may be saved in addition to the playback files. Deletion of such hidden files is recommended. They may have a negative effect during playback and prevent files from being switched correctly.

Format information

The specifications of the music data that can be used are as follows.

■ **MP3**

Supported standard	MP3 (MPEG1 LAYER 3, MPEG2 LSF LAYER 3)
Supported sampling frequency (kHz)	MPEG1 LAYER 3:32, 44.1, 48 MPEG2 LSF LAYER 3:16, 22.05, 24
Supported bit rate (kbps)*	MPEG1 LAYER 3:32 to 320 MPEG2 LSF LAYER 3:8 to 160
Supported channel mode	Stereo, joint stereo, dual channel, monaural
ID3 tag	ID3 Ver. 1.0, 1.1, 2.2, 2.3 (number of characters as specified by each version)

*: VBR (Variable Bit Rate) is supported.

■ **WMA**

Supported standard	WMA Ver. 7, 8, 9 (9.1, 9.2)
Supported sampling frequency (kHz)	32, 44.1, 48
Supported bit rate (kbps)*1, 2	Ver. 7, 8: CBR (Constant Bit Rate) 48 to 192 Ver. 9 (9.1/9.2): CBR 48 to 320

*1: VBR (Variable Bit Rate) is supported.

*2: Multi-channel audio sources are converted to 2ch.

■ **AAC**

Supported standard*1	MPEG4 AAC-LC
Supported sampling frequency (kHz)	11.025, 12, 16, 22.05, 24, 32, 44.1, 48
Supported bit rate (kbps)*2	8 to 320
Supported channel mode*3	1ch (1/0), 2ch (2/0)

*1: ADIF is not supported.

*2: VBR (Variable Bit Rate) is supported.

*3: Dual channel is not supported.

■ WAV (LPCM)

Supported sampling frequency (kHz) ^{*1}	8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192
Supported number of quantization bits (bit) ^{*2}	16/24
Supported channel mode	1ch (1/0), 2ch (2/0)

^{*1}: Audio sources higher than 96 kHz/24 bit are down-converted to 96 kHz/24 bit.

^{*2}: Multi-channel audio sources are converted to 2ch.

■ FLAC

Supported sampling frequency (kHz) ^{*1}	8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 88.2, 96, 176.4, 192
Supported number of quantization bits (bit) ^{*2}	16/24

^{*1}: Audio sources higher than 96 kHz/24 bit are down-converted to 96 kHz/24 bit.

^{*2}: Multi-channel audio sources are converted to 2ch.

■ ALAC

Supported sampling frequency (kHz) ^{*1}	8, 11.025, 12, 16, 22.05, 24, 32, 44.1, 48, 64, 88.2, 96
Supported number of quantization bits (bit) ^{*2}	16/24

^{*1}: Audio sources higher than 96 kHz/24 bit are down-converted to 96 kHz/24 bit.

^{*2}: Multi-channel audio sources are converted to 2ch.

■ Ogg Vorbis

Supported sampling frequency (kHz) ^{*1}	8, 11.025, 16, 22.05, 32, 44.1, 48
Supported bit rate (kbps) ^{*2}	32 to 500

^{*1}: Audio sources higher than 96 kHz/24 bit are down-converted to 96 kHz/24 bit.

^{*2}: VBR (Variable Bit Rate) is supported.

■ File names

The only files that can be recognized as MP3/WMA/AAC/WAV(LPCM)/FLAC/ALAC/Ogg Vorbis and played are those with the extension

“.mp3”/“.wma”/“.m4a”/“.3gp”/“.aac”/“.wav”/“.flac”/“.fla”/“.ogg”/“.ogx”/“.oga”.

Save MP3/WMA/AAC/WAV(LPCM)/FLAC/ALAC/Ogg Vorbis files with a “.mp3”/“.wma”/“.m4a”/“.3gp”/“.aac”/“.wav”/“.flac”/“.fla”/“.ogg”/“.ogx”/“.oga”.

■ About ID3 tags, WMA tags, AAC tags, tags, and Vorbis comments

- MP3 files have ancillary character information called ID3 tags that can store song artist names, title names, album names, and more.
- WMA files have ancillary character information called WMA tags that can store song artist names, title names, album names, and more.
- AAC files have ancillary character information called AAC tags that can store song artist names, title names, album names, and more.
- WAV (LPCM) files have ancillary character information called tags that can store song artist names, title names, album names, and more.
- FLAC files have ancillary character information called tags that can store song artist names, title names, album names, and more.
- ALAC files have ancillary character information called tags that can store song artist names, title names, album names, and more.
- Ogg Vorbis files have ancillary text information called Vorbis comment that allows saving of the song artist names, title names, album names, and more.

■ High resolution sound sources

This device supports high-resolution sound sources. Supported formats and playable media are as follows.

Supported formats

WAV, FLAC, ALAC, Ogg Vorbis

Playable media

USB flash drive

Video data information playable from USB flash drives

The following formats are supported for video files recorded from a computer to a USB flash drive.

Format	Codec
MPEG4 Extension: “.mp4” “.m4v”	• Video codec: H.264, MPEG-4 AVC, MPEG-4 • Audio codec: MP3, AAC
AVI container extension: “.avi”	• Video codec: H.264, MPEG-4, MPEG-4 AVC, WMV9, WMV9 Advanced Profile • Audio codec: MP3, AAC, WMA 9.2 (7, 8, 9.1, 9.2)
Windows Media Video extension: “.wmv”	• Video codec: WMV9, WMV9 Advanced Profile • Audio codec: WMA 9.2 (7, 8, 9.1, 9.2)

- The maximum supported image size is 1920 x 1080 pixels.
- The supported frame rate is a maximum of 60i/30p.
- Video playback may not be possible depending on the type of recording device, the recording conditions, and the USB flash drive that is used.

iPhone/iPod information

■ Trademark and design certification information



Use of the Made for Apple badge means that an accessory has been designed to connect specifically to the Apple product(s) identified in the badge, and has been certified by the developer to meet Apple performance standards.

Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards.

Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards.

Please note that the use of this accessory with an Apple product may affect

wireless performance.

iPhone, iPod, iPod touch, Siri and Lightning are trademarks of Apple Inc., registered in the U.S. and other countries.

Apple CarPlay is a trademark of Apple Inc.

Made for

- iPhone 12 Pro Max
- iPhone 12 Pro
- iPhone 12
- iPhone 12 mini
- iPhone SE (2nd generation)
- iPhone 11 Pro Max
- iPhone 11 Pro
- iPhone 11
- iPhone XS Max
- iPhone XS
- iPhone XR
- iPhone X
- iPhone 8 Plus
- iPhone 8
- iPhone 7 Plus
- iPhone 7
- iPhone SE
- iPhone 6s Plus
- iPhone 6s
- iPod touch (7th generation)

Apple CarPlay information

■ Trademark and design certification information

Use of the Apple CarPlay logo means that a vehicle user interface meets Apple performance standards. Apple is not responsible for the operation of this vehicle or its compliance with safety and regulatory standards. Please note that the use of this product with iPhone, iPod, or iPad may affect wireless performance.
Apple CarPlay is a trademark of Apple Inc.



Android Auto information

■ Trademark and design certification information

androidauto

Android and Android Auto are trademarks of Google LLC.

Information USB memories

■ Music files recorded using a computer

The following music files can be played.

- MP3
- WMA
- AAC
- FLAC
- WAV

- ALAC
- Ogg Vorbis

■ Video data information playable from USB flash drives

The following formats are supported for video files recorded from a computer to a USB flash drive.

Format	Codec
MPEG4 Extension: “.mp4” “.m4v”	• Video codec: H.264, MPEG-4 AVC, MPEG-4 • Audio codec: MP3, AAC
AVI container extension: “.avi”	• Video codec: H.264, MPEG-4, MPEG-4 AVC, WMV9, WMV9 Advanced Profile • Audio codec: MP3, AAC, WMA 9.2 (7, 8, 9.1, 9.2)
Windows Media Video extension: “.wmv”	• Video codec: WMV9, WMV9 Advanced Profile • Audio codec: WMA 9.2 (7, 8, 9.1, 9.2)

- The maximum supported image size is 1920 x 1080 pixels.
- The supported frame rate is a maximum of 60i/30p.
- Video playback may not be possible depending on the type of recording device, the recording conditions, and the USB flash drive that is used.

■ MP3/WMA/AAC specifications

Certain restrictions apply to the standards of the MP3/WMA/AAC files that can be used, and the media and formats that store such files. Microsoft, Windows, and Windows Media are the registered trademarks of Microsoft Corporation in the USA and other countries.

The specifications of the music data that can be used are as follows.

■ MP3

MP3 (MPEG Audio LAYER 3) is the standard format related to audio compression technology. When MP3 is used, the file can be compressed to approximately 1/10 the size of the original file.

■ WMA

WMA (Windows Media Audio) is the audio compression format of Microsoft Corporation. This can compress files to an even smaller size than MP3.

This product is protected by certain intellectual property rights of Microsoft. Use or distribution of such technology outside of this product is prohibited without a license from Microsoft.

■ AAC

AAC (Advanced Audio Coding) is the standard format related to audio compression technology that is used in MPEG2 and MPEG4.

MPEG LA information

This product is licensed under the MPEG-4 patent portfolio license, AVC patent portfolio license and VC-1 patent portfolio license for the personal use of a consumer or other uses in which it does not receive remuneration to

- (i) encode video in compliance with the MPEG-4 Visual Standard, AVC Standard and VC-1 Standard ("MPEG-4/AVC/VC-1 Video") and/or
- (ii) decode MPEG-4/AVC/VC-1 Video that was encoded by a consumer engaged in a personal activity and/or was obtained from a video provider licensed to provide MPEG-4/AVC/VC-1 Video.

No license is granted or shall be implied for any other use.

Additional information may be obtained from MPEG LA, L.L.C. See

<http://www.mpegla.com>.

Bluetooth® information

The Bluetooth® specifications and profiles that can be used are as follows.

Item	Bluetooth® audio
Supported Bluetooth® specifications	Bluetooth® Core Specification Ver.5.0 or later
Supported profiles	• A2DP (Advanced Audio Distribution Profile) profile for transmitting music data: Ver. 1.3.2 or later • AVRCP (Audio/Video Remote Control Profile) profile for controlling (playing, stopping, etc.) portable audio from a multimedia system: Ver. 1.6.2 or higher
Supported codec	LDAC, AAC, SBC

- Connectivity between this system and all Bluetooth® devices is not guaranteed.

■ Certification

Bluetooth® is a registered trademark of Bluetooth SIG, Inc.

■ LDAC

LDAC and LDAC logo are trademarks of Sony Corporation.

**Wi-Fi® information**

Wi-Fi®, Miracast®, Wi-Fi Direct® and WMM® are registered trademarks of Wi-Fi Alliance®.

Wi-Fi Protected Setup™, Wi-Fi CERTIFIED™, WPA™, WPA2™ and WPA3™ are trademarks of Wi-Fi Alliance®.

Gracenote® information

When music is played, the database of the multi media system is searched for the album name, artist name, genre, and track name. If the corresponding information is stored in the database, then the information is assigned automatically. The Gracenote® media database is used for the database information stored in this multi media system.

Gracenote, the Gracenote logo and logotype, and the “Powered by Gracenote” logo are either a registered trademark or a trademark of Gracenote, Inc. in the United States and/or other countries.



■ Gracenote® media database

- The title information assigned automatically may differ from the actual title information.
- The contents of the data provided by the “Gracenote media database” is not guaranteed to be 100% accurate.

Information about text information display

There are limits to the number of characters that can be displayed as information on each screen. The system may not be able to display all of the information. In addition, there are cases where information is not displayed properly or cannot be displayed depending on the stored content.

QNX information

This system contains software that is licensed to Panasonic Automotive Systems Co., Ltd. by one or more third parties pursuant to license agreement(s). Any removal, reproduction, reverse engineering or other unauthorized use of the software from this system in violation of the license agreement(s) is strictly prohibited.

Certification and trademark information

Manufacturer

- Name : Panasonic Automotive Systems Co., Ltd.
- Address : 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

Specifications of Bluetooth

Frequency band : 2402-2480MHz

Maximum radio-frequency power : 10mW Max

Specifications of WLAN

Frequency band : 2412-2472MHz

Maximum radio-frequency power : 100mW Max

Model No.[*]

CN-ST2CE4AJ,CN-ST2CE5AJ,CN-ST2CS0AJ,CN-ST2CE1AJ

CN-ST2CE2AJ,CN-ST2CE8AJ,CN-ST2CE9AJ,CN-ST2CE6AJ

CN-ST2CE7AJ,CN-ST2CEFAJ,CN-ST2CA0AJ,CN-ST2CE0AJ



Hereby, Panasonic Automotive Systems Co., Ltd. declares that the radio equipment type [*] is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
<https://www.ptc.panasonic.eu/>

С настоящото Panasonic Automotive Systems Co., Ltd. декларира, че този тип радиосъоръжение [*] е в съответствие с Директива 2014/53/ЕС. Цялостният текст на ЕС декларацията за съответствие може да се намери на следния интернет адрес:
<https://www.ptc.panasonic.eu/>

Tímto Panasonic Automotive Systems Co., Ltd. prohlašuje, že typ rádiového zařízení [*] je v souladu se směrnicí 2014/53/EU. Úplné znění EU prohlášení o shodě je k dispozici na této internetové adrese:
<https://www.ptc.panasonic.eu/>

Hermed erklærer Panasonic Automotive Systems Co., Ltd. , at radioudstyrstypen [*] er i overensstemmelse med direktiv 2014/53/EU.
EU-overensstemmelseserklæringens fulde tekst kan findes på følgende internetadresse:
<https://www.ptc.panasonic.eu/>

Hiermit erklärt Panasonic Automotive Systems Co., Ltd. , dass der Funkanlagentyp [*] der Richtlinie 2014/53/EU entspricht.
Der vollständige Text der EU-Konformitätserklärung ist unter der folgenden Internetadresse verfügbar:
<https://www.ptc.panasonic.eu/>

Käesolevaga deklareerib Panasonic Automotive Systems Co., Ltd. , et käesolev raadioseadme tüüp [*] vastab direktiivi 2014/53/EL nõuetele.
ELi vastavusdeklaratsiooni täielik tekst on kättesaadav järgmisel internetiaadressil:
<https://www.ptc.panasonic.eu/>

Με την παρούσα ο/η Panasonic Automotive Systems Co., Ltd. ,
δηλώνει ότι ο ραδιοεξοπλισμός
[*] πληροί την οδηγία 2014/53/ΕΕ.
Το πλήρες κείμενο της δήλωσης συμμόρφωσης ΕΕ διατίθεται
στην ακόλουθη ιστοσελίδα στο διαδίκτυο:
<https://www.ptc.panasonic.eu/>

Por la presente, Panasonic Automotive Systems Co., Ltd.
declara que el tipo de equipo radioeléctrico [*] es conforme con la Directiva
2014/53/UE.
El texto completo de la declaración UE de conformidad está
disponible en la dirección Internet siguiente:
<https://www.ptc.panasonic.eu/>

Le soussigné, Panasonic Automotive Systems Co., Ltd. déclare que
l'équipement radioélectrique
du type [*] est conforme à la directive 2014/53/UE.
Le texte complet de la déclaration UE de conformité est
disponible à l'adresse internet suivante:
<https://www.ptc.panasonic.eu/>

Il fabbricante, Panasonic Automotive Systems Co., Ltd. ,
dichiara che il tipo di apparecchiatura radio
[*] è conforme alla direttiva 2014/53/UE.
Il testo completo della dichiarazione di conformità UE è
disponibile al seguente indirizzo Internet:
<https://www.ptc.panasonic.eu/>

Ar šo Panasonic Automotive Systems Co., Ltd. deklarē,
ka radioiekārta [*] atbilst Direktīvai 2014/53/ES.
Pilns ES atbilstības deklarācijas teksts ir pieejams šādā
interneta vietnē:
<https://www.ptc.panasonic.eu/>

Aš, Panasonic Automotive Systems Co., Ltd. , patvirtinu,
kad radijo įrenginių tipas [*] atitinka Direktyvą 2014/53/ES.
Visas ES atitikties deklaracijos tekstas prieinamas šiuo
interneto adresu:
<https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. ovime izjavljuje da je radijska oprema tipa [*] u skladu s Direktivom 2014/53/EU. Cjeloviti tekst EU izjave o sukladnosti dostupan je na sljedećoj internetskoj adresi: <https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. igazolja, hogy a [*] típusú rádióberendezés megfelel a 2014/53/EU irányelvnek. Az EU-megfelelőségi nyilatkozat teljes szövege elérhető a következő internetes címen: <https://www.ptc.panasonic.eu/>

B'dan, Panasonic Automotive Systems Co., Ltd. , niddikjara li dan it-tip ta' tagħmir tar-radju [*] huwa konformi mad-Direttiva 2014/53/UE. It-test kollu tad-dikjarazzjoni ta' konformità tal-UE huwa disponibbli f'dan l-indirizz tal-Internet li ġej: <https://www.ptc.panasonic.eu/>

Hierbij verklaar ik, Panasonic Automotive Systems Co., Ltd. , dat het type radioapparatuur [*] conform is met Richtlijn 2014/53/EU. De volledige tekst van de EU-conformiteitsverklaring kan worden geraadpleegd op het volgende internetadres: <https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. niniejszym oświadcza, że typ urządzenia radiowego [*] jest zgodny z dyrektywą 2014/53/UE. Pełny tekst deklaracji zgodności UE jest dostępny pod następującym adresem internetowym: <https://www.ptc.panasonic.eu/>

O(a) abaixo assinado(a) Panasonic Automotive Systems Co., Ltd. declara que o presente tipo de equipamento de rádio [*] está em conformidade com a Diretiva 2014/53/UE. O texto integral da declaração de conformidade está disponível no seguinte endereço de Internet: <https://www.ptc.panasonic.eu/>

Prin prezenta, Panasonic Automotive Systems Co., Ltd.
declară că tipul de echipamente radio [*] este în conformitate
cu Directiva 2014/53/UE.
Textul integral al declarației UE de conformitate este disponibil
la următoarea adresă internet:
<https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. týmto vyhlasuje,
že rádiové zariadenie typu [*] je v
súlade so smernicou 2014/53/EÚ.
Úplné EÚ vyhlásenie o zhode je k dispozícii na tejto internetovej adrese:
<https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. potvrdzuje, da je tip radijske opreme [*]
skladen z Direktivo 2014/53/EU.
Celotno besedilo izjave EU o skladnosti je na voljo na naslednjem
spletnem naslovu:
<https://www.ptc.panasonic.eu/>

Panasonic Automotive Systems Co., Ltd. vakuuttaa, että radiolaitetyypit [*] on
direktiivin 2014/53/EU mukainen.
EU-vaatimustenmukaisuusvakuutuksen täysimittainen teksti
on saatavilla seuraavassa internetosoitteessa:
<https://www.ptc.panasonic.eu/>

Härmed försäkrar Panasonic Automotive Systems Co., Ltd.
att denna typ av radioutrustning [*] överensstämmer med
direktiv 2014/53/EU.
Den fullständiga texten till EU-försäkran om överensstämmelse
finns på följande webbadress:
<https://www.ptc.panasonic.eu/>

Manufacturer

- Name : Panasonic Automotive Systems Co., Ltd.
- Address : 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

Specifications of Bluetooth

Frequency band : 2402-2480MHz

Maximum radio-frequency power : 10mW Max

Specifications of WLAN

Frequency band : 2412-2472MHz

Maximum radio-frequency power : 100mW Max

Model No.[*]

CN-ST2CE4AJ,CN-ST2CE5AJ,CN-ST2CE1AJ,CN-ST2CE2AJ
CN-ST2CE8AJ,CN-ST2CE9AJ,CN-ST2CE6AJ,CN-ST2CE7AJ
CN-ST2CEFAJ



Hereby, Panasonic Automotive Systems Co., Ltd. declares
that the radio
equipment type[*] is in compliance with The Radio Equipment Regulations 2017.
The full text of the UK declaration of conformity is available
at the following internet address:
<https://www.ptc.panasonic.eu/>

Producător

Nume : Panasonic Automotive Systems Co., Ltd.

Adresa : 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

Bluetooth

Banda de frecvență : 2402-2480MHz

Puterea maximă a frecvenței radio : 10mW Max

WLAN

Banda de frecvență : 2412-2472MHz

Puterea maximă a frecvenței radio : 100mW Max

Numarul modelului.[*]

CN-ST2CE0AJ,CN-ST2CE1AJ,CN-ST2CE2AJ



Prin prezenta, Panasonic Automotive Systems Co., Ltd. declară
că tipul de echipamente radio [*] este în conformitate cu Reglementarea
tehnică „Punerea la dispoziție pe piață a echipamentelor radio”.
Textul integral al declarației de conformitate este disponibil
la următoarea adresă de Internet:<https://service.panasonic.ua>

Bluetooth

смугу радіочастот, в якій працює радіообладнання; 2402-2480MHz
максимальну потужність випромінювання в смузі радіочастот, в якій працює радіообладнання; 10mW

WLAN

смугу радіочастот, в якій працює радіообладнання; 2412-2472MHz
максимальну потужність випромінювання в смузі радіочастот, в якій працює радіообладнання; 100mW

моделі №.[*]

CN-ST2CE0AJ,CN-ST2CE1AJ,CN-ST2CE2AJ,CN-ST2CE6AJ,CN-ST2CE7AJ

справжнім Panasonic Automotive Systems Co., Ltd. заявляє,
що тип радіообладнання [*] відповідає Технічному регламенту
радіообладнання;
повний текст декларації про відповідність доступний на
веб-сайті за такою адресою:
<https://service.panasonic.ua/>
(розділ «Технічне регулювання»)

Üretici firma

- İsim : Panasonic Automotive Systems Co., Ltd.
- Adres : 4261, Ikonobe-cho, Tsuzuki-ku, Yokohama-shi, Kanagawa-ken 224-8520, Japan

Bluetooth'un Özellikleri

Frekans bandı : 2402-2480MHz

Maksimum radyo frekansı gücü : 10 mW Maks

WLAN özellikleri

Frekans bandı : 2412-2472MHz

Maksimum radyo frekansı gücü : 100mW Maks.



Panasonic Automotive Systems Co., Ltd. , [*] tipi
radyo ekipmanının 2014/53 / AB Yönetmeliğine
uygun olduğunu beyan eder.

Uygunluk beyanının tam metnine aşağıdaki internet adresinden
ulaşılabilir:

<https://www.ptc.panasonic.eu/>

Model No.[*]

CN-ST2CEBAJ,CN-ST2CE1AJ,CN-ST2CE2AJ,CN-ST2CE6AJ
CN-ST2CE7AJ



Le soussigné, Panasonic Automotive Systems Co., Ltd. ,
déclare que l'équipement radioélectrique du
type [*] est conforme à la directive 2014/53/UE.

Le texte complet de la déclaration UE de conformité
est disponible à l'adresse internet suivante:

<https://www.ptc.panasonic.eu/>

Model No.[*]

CN-ST2CE0AJ,CN-ST2CS0AJ,CN-ST2CA0AJ



Access to <https://www.ptc.panasonic.eu/>,
enter the below Model No. into the keyword
search box, you can download the latest
"DECLARATION of CONFORMITY" (DoC).

Model No.[*]

CN-ST2CE4AJ, CN-ST2CE5AJ, CN-ST2CE1AJ, CN-ST2CE2AJ
CN-ST2CE8AJ, CN-ST2CE9AJ, CN-ST2CE6AJ, CN-ST2CE7AJ
CN-ST2CEFAJ, CN-ST2CS0AJ, CN-ST2CA0AJ, CN-ST2CE0AJ

Блуетоотх

Фреквенција фреквенције: 2402-2480MHz

Максимална фреквенција радија: 10mW

ВЛАН

Фреквенција фреквенције: 2412-2472MHz

Максимална фреквенција радија: 100mW

Овим путем Panasonic Automotive Systems Co., Ltd.

изјављује да је тип радио опреме [*] у складу са Директивом 2014/53/EУ.

Пун текст ЕУ изјаве о усаглашености доступан је на следећој

интернет адреси:

<https://www.ptc.panasonic.eu/>

Model No.[*]

CN-ST2CE4AJ, CN-ST2CE5AJ, CN-ST2CE1AJ, CN-ST2CE2AJ
CN-ST2CE8AJ, CN-ST2CE9AJ, CN-ST2CE6AJ, CN-ST2CE7AJ

מספר אישור התאמה מטעם משרד התקשורת: 55-12987

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Toyota Motor Europe NV/SA, Avenue du Bourget 60 - 1140 Brussels, Belgium www.toyota-europe.com

Toyota (GB) PLC, Great Burgh, Burgh Heath, Epsom, Surrey, KT18 5UX, UK

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For more information about the following items, see the “Owner’s manual”.

- Energy monitor (RAV4 HYBRID)
- Fuel consumption
- Vehicle customization



