USER MANUAL

Manufacturer: Hyundai Mobis Co., Ltd.
Model Names: ADC400AAN, ADC401VAN, ADC400AKN, ADC401VKN

Car Infotainment System User's Manual

- This guide covers specifications for all vehicle models, including optional specifications, and is based on the latest version of system software.
- Your system's functions and specifications are subject to change without prior notice for performance improvement.
- The functions and services described in this guide are subject to change without prior notice for performance improvement. If the system software is updated, the screenshots in this guide may appear different than the actual images on the system.
- You can view the up-to-date information about changed functions and services from the web manual.
- The functions and services described in this guide may differ from those provided in your vehicle. For precise information related to your vehicle, refer to the owner's manual or catalogue of your vehicle.

Available information for users

Car Infotainment System Quick Reference Guide (Print)

This guide contains basic information to use your system including component names and functions. To use your system correctly and safely, read this guide before use.

Car Infotainment System User's Manual (Web)

This guide is a web manual you can access by scanning a QR code in the Quick Reference Guide or on your system's screen. This guide introduces your system's functions and explains how to use them.

Symbols used in this guide

Warning

Indicates important information related to user safety. Failure to follow warnings may result in death or serious personal injury.

Caution

Indicates important information related to user safety. Failure to follow cautions may result in personal injury, or damage or malfunction your vehicle.

Note

Indicates helpful information for convenient use.

(if equipped)

Indicates descriptions for optional features, which may not be available on your specific vehicle depending on the model or trim level.

This guide covers specifications for all vehicle models, including optional specifications. It may include descriptions for features that are not equipped in your vehicle or are unavailable for your vehicle model.

Safety **warnings**

For safety, follow the instructions below. Failure to do so may increase the risk of a traffic accident, which may result in death or personal injury.

About driving

Do not operate the system while driving.

- Driving while distracted may result in a loss of vehicle control, potentially leading to an accident, severe personal injury, or death. The driver's primary responsibility is the safe and legal operation of a vehicle, and any handheld devices, equipment, or vehicle systems which divert the driver's attention from this responsibility should never be used during operation of the vehicle.

Avoid watching the screen while driving.

- Driving while distracted may lead to a traffic accident.
- Stop your vehicle in a safe location before using functions that require multiple operations.

Stop your vehicle first before using your mobile phone.

- Using a mobile phone while driving may lead to a traffic accident.
- If necessary, use the Bluetooth Handsfree feature to make calls and keep the call as short as possible.

Keep the volume low enough to hear external sounds.

- Driving without the ability to hear external sounds may lead to a traffic accident.
- Listening to a loud volume for a long time may cause hearing damage.

About handling the system

Do not disassemble or modify the system.

- Doing so may result in an accident, fire, or electric shock.

Do not allow liquids or foreign substances to enter the system.

- Liquids or foreign substances may cause noxious fumes, a fire, or a system malfunction.

Stop using the system if it malfunctions, such as no audio output or display.

- If you continue using the system when it is malfunctioning, it may lead to a fire, electric shock, or system failure.

Note

If you experience any problems with the system, contact your place of purchase or dealer.

Safety **cautions**

For safety, follow the instructions below. Failure to do so may result in personal injury or damage to the system.

About operating the system

Use the system with the engine running.

- Using the system for a long time when the engine is stopped may discharge the battery.

Do not install unapproved products.

- Using unapproved products may cause an error while using the system.
- System errors caused by installing unapproved products are not covered under the warranty.

About handling the system

Do not apply excessive force to the system.

- Excessive pressure on the screen may damage the LCD panel or the touch panel.

When cleaning the screen or button panel, make sure to stop the engine and use a soft, dry cloth.

- Wiping the screen or buttons with a rough cloth or using solvents (alcohol, benzene, paint thinner, etc.) may scratch or chemically damage the surface.

If you attach a liquid-type air freshener to the fan louvre, the surface of the louvre may become deformed due to the flowing air.

Note

If you experience any problems with the system, contact your place of purchase or dealer.

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1 System overview

Component names and functions

Turning the system on or off

Using the touch screen

Getting to know the Home screen

Getting to know the All menus screen

Using Favourites

Component names and functions

The following explains the names and functions of the components on your system's control panel and steering wheel remote control.

Control panel

Note

Depending on the vehicle model or specifications, the system components' appearance and layout may differ from the actual product. Refer to the Quick Reference Guide.

Radio button	• Turn on the radio. While listening to the radio, press repeatedly to change the radio mode.
Media button	• Play content from a media storage device. If you have multiple media storage devices, select one from the media selection window. • Press and hold to display the media selection window.
Custom button (☆)	• Use a custom function. • Press and hold to access the Custom button settings screen. ▶ See "Custom button."
Power button (**POWER**)/ Volume knob (**VOL**)	• Turn the radio/media function on or off. • Press and hold to turn off the screen and the sound. • Turn to the left or right to adjust the system sound volume.
Reset button	• Restart the system.

Search backward/forward button (**SEEK**/**TRACK**)	• While using the radio/media function, change the station/track/file. • While listening to the radio, press and hold to change the station quickly. (The button's operation may vary depending on the radio mode you are using.) • While playing media, press and hold to rewind or fast forward (except for the Bluetooth audio mode).
Setup button	• Access the settings screen. • Press and hold to access the System info screen. ▶ See "System info."
Search knob (**TUNE FILE**)	• While listening to the radio, adjust the frequency or change the station. • While playing media, search for a track/file (except for the Bluetooth audio mode). • During a search, press to select the current track/file.

Steering wheel remote control

Note

Depending on the vehicle model or specifications, the system components' appearance and layout may differ from the actual product. Refer to the Quick Reference Guide.

Voice recognition button ( )	• Start or end voice recognition of a connected smartphone via phone projection. (The button's operation may vary depending on smartphone specifications.)
Mode button	• Change the mode (radio, media, etc.). • Press and hold to access the Steering wheel MODE button settings screen. ▶ See "Steering wheel MODE button."
Volume lever/button (+/-)	• Adjust the sound volume.
Mute button ( )	• Mute or unmute the system. • While playing media, pause or resume playback.
Search lever/button ( )	• While using the radio/media function, change the station/track/file. • While listening to the radio, press and hold to change the station quickly. (The button's operation may vary depending on the radio mode you are using.) • While playing media, press and hold to rewind or fast forward (except for the Bluetooth audio mode).
Call/Answer button ( )	• Start connecting a mobile phone via Bluetooth. • After a Bluetooth phone connection is made, access your call history. Press and hold to dial the most recent phone number. When a call comes in, answer the call. • During a call, switch between the active call and the held call. Press and hold to switch the call between the system and the mobile phone.
Call end button ( )	• When a call comes in, reject the call. • During a call, end the call.

Turning the system on or off

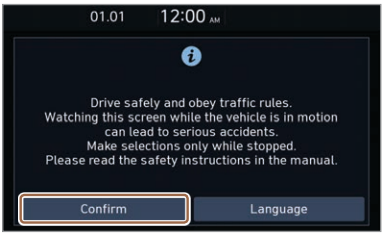
The following explains how to turn the system on or off.

Turning on the system

1 To turn on the system, start the engine.

2 When the safety warning appears, read it and press **Confirm**.

- To change the system language, press **Language**.



Warning

- Some functions may be disabled for safety reasons while the vehicle is moving. They work only when the vehicle stops. Park your vehicle in a safe location before using any of them. In a manual transmission vehicle, apply the parking brake to use the functions. In an automatic transmission vehicle, shift to "P" (Park) or apply the parking brake.
- Stop using the system if it malfunctions, such as no audio output or display. If you continue using the system when it is malfunctioning, it may lead to a fire, electric shock, or system failure.

Caution

- You can turn on the system when the key ignition switch is placed in the "ACC" or "ON" position. Using the system for an extended period without the engine running drains the battery. If you plan on using the system for a long time, start the engine.
- If you turn on your system without starting the engine, a battery warning will appear. Once the engine starts, the battery warning will disappear.

Note

To avoid having audio play at an excessive volume when you start the engine, adjust the volume level before stopping the engine. You can also set the system to decrease the volume level automatically. On the Home screen, press **All menus** ▶ **Settings** ▶ **Sound** ▶ **Volume ratio** and activate the **Volume limitation on start-up** option.

Turning off the system

If you do not want to use the system while driving, press and hold the Power button on the control panel.

- The screen and the sound will turn off.
- To use the system again, press the Power button.

After you have turned off the engine, the system will automatically turn off after a while or as soon as you open the driver's door.

- Depending on the vehicle model or specifications, the system may turn off as soon as you turn off the engine.

Using the touch screen

Your system is equipped with a touch screen. You can perform various functions via touch inputs.

Caution

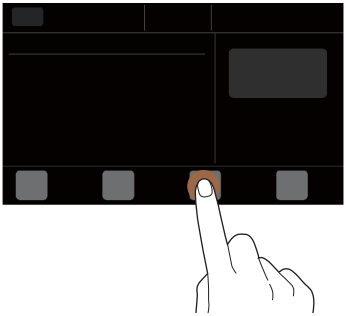
- Do not apply excessive pressure to the touch screen or press it with a pointed object. Doing so may damage the touch screen.
- Do not let any electrically conductive material contact the touch screen. A shock from static electricity may cause the system or the touch screen to malfunction.

Note

If you wear regular gloves, you will not be able to control the touch screen. Remove your gloves or wear gloves designed for use with a touch screen.

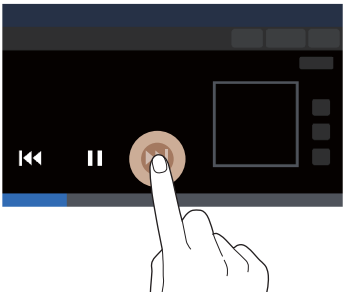
Press

Press an object lightly and lift your finger. You can perform a function or select an option.



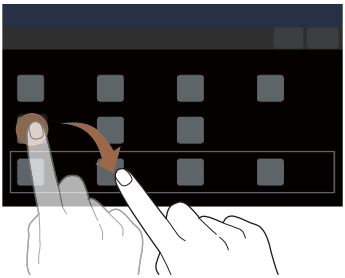
Press and hold

Press an object and hold it for at least one second without lifting your finger. You can rewind or fast forward media by pressing and holding an appropriate button.



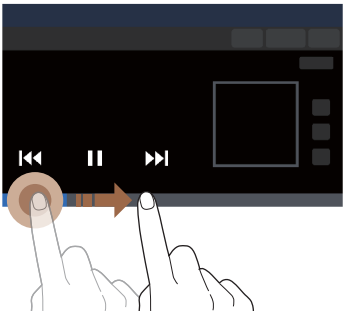
Drag

Press an object, drag it, and then drop it on a new location.



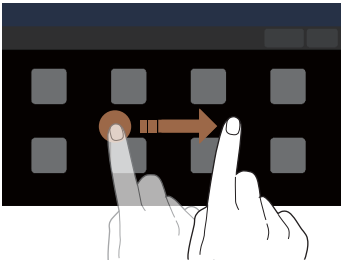
Slide

You can change the playback position during media playback. On a playback screen, press and hold the progress bar, slide your finger along the progress bar, and then lift it at a desired location.



Swipe

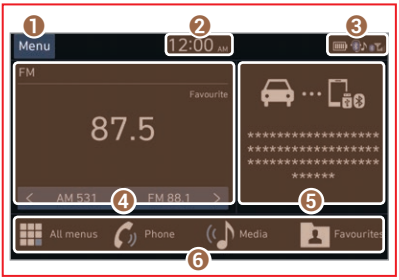
Swipe the screen lightly in an appropriate direction. This is an easy way to scroll through a menu or list quickly.



Getting to know the Home screen

From the Home screen, you can access various functions.

Getting familiar with the Home screen layout



1. Display the options list.
   - **Edit left widget**: Change the functions of the left widget.
   - **Edit right widget**: Change the functions of the right widget.
   - **Edit Home icons**: Change the shortcuts for menus you use frequently on the Home screen.
   - **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.
2. Current time and date. Press to access the time and date settings screen. ▶ See "Date/Time."
3. System status icons ▶ See "System status icons."
4. Left widget. Press to activate the corresponding function in full screen. Press and hold to change the widget to another one. ▶ See "Changing the Home screen widgets."
5. Right widget. Press to activate the corresponding function in full screen. Press and hold to change the widget to another one. ▶ See "Changing the Home screen widgets."
6. Menu icons. Press to access a selected function. Press and hold to change the menu's type and location. ▶ See "Changing the Home screen menu icons."

Note

- To move to the Home screen from another screen, press .
- Depending on the vehicle model or specifications, the Home screen layout may vary.

Changing the Home screen widgets

You can change the types of widgets displayed on the Home screen.

1 On the Home screen, press **Menu** ▶ **Edit left widget** or **Edit right widget**.

- Alternatively, press and hold the widget you want to change.

2 Select a desired function.

Note

- You cannot set the same function for the left and right widgets.
- Press **Default** to restore the default settings for the widget.

Changing the Home screen menu icons

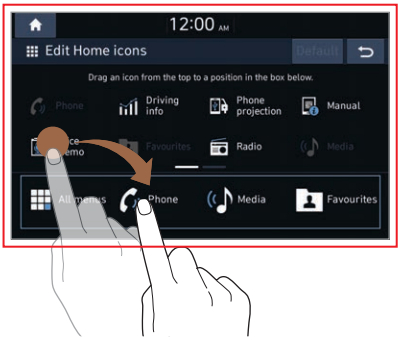
You can change the types and locations of menus on the Home screen.

1 On the Home screen, press **Menu** ▶ **Edit Home icons**.

- Alternatively, press and hold a menu icon.

2 Press an icon on the menu list, and drag it to the icon field at the bottom of the screen.

- To change an icon's location, press the icon in the icon field, and drag it to a desired location.



Note

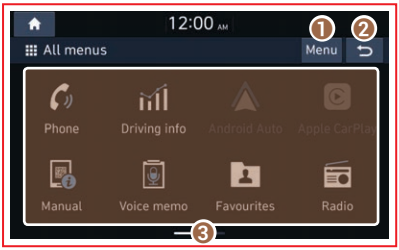
- The **All menus** icon cannot be changed to another menu. You can only change its location.
- Press **Default** to restore the default settings for menus.
- Once you change the menus displayed on the Home screen, it may affect how to access or perform some functions. If you cannot find a function you want from the Home screen, press **All menus** to access or perform it.

Getting to know the All menus screen

You can view the all menus and access a desired function in the system.

Getting familiar with the All menus screen layout

On the Home screen, press **All menus**.



❶ Display the options list.
- **Rearrange icons**: Rearrange the menus on the All menus screen.
  ▶ See "Rearranging the All menus screen."
- **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.

❷ Return to the previous level.

❸ All menus available on your system

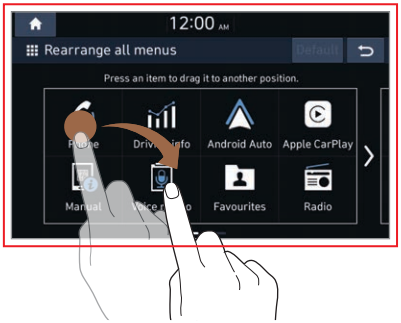
Rearranging the All menus screen

Rearrange the menus on the All menus screen.

1 On the Home screen, press **All menus**.

2 Press **Menu** ▶ **Rearrange icons**.
- Alternatively, press and hold anywhere on the All menus screen.

3 Drag a menu to the desired location.



Note

Press **Default** to restore the default settings for the menu order.

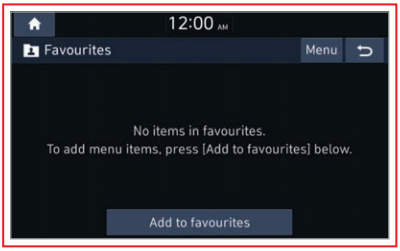
Using Favourites

Add your frequently used functions to Favourites to access them quickly. You can add up to 24 items.

Adding favourite items

1 On the Home screen, press **All menus** ▶ **Favourites** ▶ **Add to favourites**.

- If you have already added items, on the Favourites screen, press **Menu** ▶ **Add**.



2 Select items to add and press **Add** ▶ **Yes**.

Rearranging the items in Favourites

You can rearrange the items added to Favourites.

1 On the Home screen, press **All menus** ▶ **Favourites** ▶ **Menu** ▶ **Rearrange icons**.

- Alternatively, press and hold an added item.

2 Drag an item to a desired location.

Note

You can only rearrange the items, and cannot move an item to an empty slot.

Deleting favourite items

You can delete the items added to Favourites.

1 On the Home screen, press **All menus** ▶ **Favourites** ▶ **Menu** ▶ **Delete**.

2 Select items to delete and press **Delete** ▶ **Yes**.

MEMO

2 Useful functions

Using phone projection
Getting to know the driving assistance screen
Viewing driving information
Using the ERA-GLONASS emergency call service

Using phone projection

Phone projection enables you to connect your Android smartphone or iPhone to your system and use their functions via the system. You can perform and control your smartphone applications by using the larger screen and enhance your use of the system.

⚠ Caution

- Use only applications that are compatible with phone projection. Using incompatible applications may cause problems for your system or smartphone.
- Only compatible applications will be displayed on the phone projection screen. You can also check compatible applications by visiting the following websites:
  - Apple CarPlay: https://www.apple.com/ios/carplay
  - Android Auto: https://www.android.com/auto

Connecting your Android smartphone via Android Auto

You can connect your Android smartphone and system via Android Auto and control your smartphone applications on the system's screen.

Before using Android Auto, be sure to check the following:

Android Auto support on your smartphone

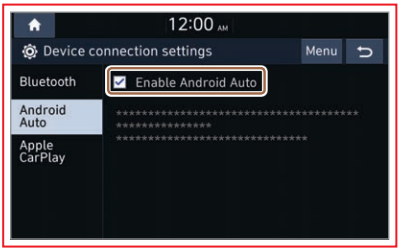
Visit the Android homepage (https://www.android.com/auto) and check the regions, device types, and models that support Android Auto.

Android Auto installed on your smartphone

Download and install the Android Auto application from Google Play. If you are in a region where Android Auto is not supported, you cannot install the application.

Start Android Auto by following the steps below:

1 On the Home screen, press **All menus ▶ Settings ▶ Device connection ▶ Android Auto ▶ Enable Android Auto**.



2 Connect your smartphone to the USB port in your vehicle via the cable supplied with the smartphone.

- If you are connecting the device for phone projection for the first time, read the message on the notification pop-up window and press **Next ▶ OK**.

⚠ Caution

Do not connect and disconnect a USB connector repeatedly in a short time. Doing so may cause an error in the device or a system malfunction.

3 If your smartphone is locked, unlock it and agree to use phone projection.

- When the smartphone is recognised successfully, the **Android Auto** menu is activated on the All menus screen.

4 On the Home screen, press **All menus ▶ Android Auto**.

5 Use your smartphone's functions, such as calling and messaging, on your system.

- Press an icon on the screen to run an application or perform a function.
- Press the Voice recognition button on the steering wheel to start Google voice recognition.
- Press the Mode button on the steering wheel to select and start a media player installed on your smartphone, in addition to the system's radio and media functions.
- Press the Call/Answer button on the steering wheel to start using Bluetooth call functions.

6 To end Android Auto, remove the USB cable from your system.

Note

- When phone projection is active, you cannot change the phone projection settings.
- Depending on Google's policies, the icons on the main screen of Android Auto may change.
- Depending on Google's policies, applications or functions that are compatible with Android Auto may change. To check compatible applications, visit the Android homepage (https://www.android.com/auto).
- To use phone projection in optimised environments, update your smartphone's operating system to the latest version.
- Depending on the connected device's hardware, firmware, and operating system versions, the recognition time may vary.
- Using phone projection may result in mobile communication charges.
- Depending on the network signal status, some functions may not work correctly.
- Avoid controlling your smartphone while phone projection is in use.
- While you are using Android Auto, the following functions are unavailable:
  - USB mode
  - Searches using the Search knob (**TUNE FILE**)
  - Apple CarPlay

Connecting your iPhone via Apple CarPlay

You can connect your iPhone and system via Apple CarPlay and control your smartphone applications on the system's screen.

Before using Apple CarPlay, be sure to check the following:

Apple CarPlay support on your iPhone

Visit the Apple homepage (https://www.apple.com/ios/carplay) and check the iPhone models that support Apple CarPlay.

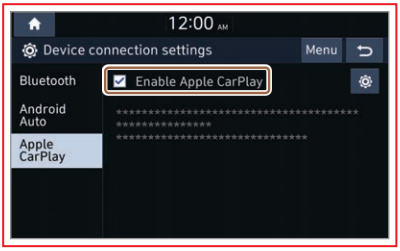
Apple CarPlay activated or updated on your iPhone

On your iPhone, ensure that Apple CarPlay is activated. If your iPhone does not have the function, update the iPhone's operating system to the latest version.

Start Apple CarPlay by following the steps below:

1 On the Home screen, press **All menus ▶ Settings ▶ Device connection ▶ Apple CarPlay ▶ Enable Apple CarPlay**.

- To change the Apple CarPlay screen's layout to match the location of the steering wheel, press ⚙.



2 Connect your iPhone to the USB port in your vehicle via the cable supplied with the iPhone.

- If you are connecting the device for phone projection for the first time, read the message on the notification pop-up window and press **Next ▶ OK**.

⚠ Caution

Do not connect and disconnect a USB connector repeatedly in a short time. Doing so may cause an error in the device or a system malfunction.

3 If your iPhone is locked, unlock it and agree to use phone projection.

- When the iPhone is recognised successfully, the **Apple CarPlay** menu is activated on the All menus screen.

4 On the Home screen, press **Apple CarPlay**.

5 Use your iPhone's functions, such as calling and messaging, on your system.

- Press an icon on the screen to run an application or perform a function. Press the **HYUNDAI** icon (Ⓗ) to move to the Home screen of your system.
- Press the Voice recognition button on the steering wheel to start Siri.
- Press the Mode button on the steering wheel to select and start a media player installed on your smartphone, in addition to the system's radio and media functions.
- Press the Call/Answer button on the steering wheel to answer an incoming call.

6 To end Apple CarPlay, remove the USB cable from your system.

Note

- When phone projection is active, you cannot change the phone projection settings.
- Depending on Apple's policies, applications or functions that are compatible with Apple CarPlay may change. To check compatible applications, visit the Apple homepage (https://www.apple.com/ios/carplay).
- To use phone projection in optimised environments, update your smartphone's operating system to the latest version.
- Depending on the connected device's hardware, firmware, and operating system versions, the recognition time may vary.
- Using phone projection may result in mobile communication charges.
- Depending on the network signal status, some functions may not work correctly.
- Avoid controlling your smartphone while phone projection is in use.
- While you are using Apple CarPlay, the following functions are unavailable:
  - Bluetooth
  - USB mode
  - Searches using the Search knob (**TUNE FILE**)
  - Android Auto

Getting to know the driving assistance screen

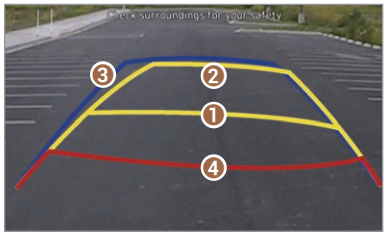
You can view the outside of your vehicle on the system screen. Depending on the vehicle model, the displayed screens and available functions may vary.

Caution

The distance shown in the rear view screen may differ from the actual distance. For safety, be sure to visually check the rear, left, and right sides of your vehicle.

Rear view screen

When you shift to "R" (Reverse) while the engine is running, the system screen will automatically display the rear view and the parking guides.



- **Driving direction lines (yellow) ❶❷**
  These lines show the directions of the vehicle according to the steering angle.
- **Neutral direction lines (blue) ❸**
  These lines indicate your vehicle's expected path with the steering wheel in the neutral position. It can help you determine whether the vehicle is in the correct position in a parking space and prevent you from parking too close to the next vehicle.
- **Crash warning lines (red) ❹**
  These lines are to help prevent a collision.

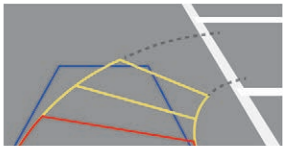
Warning

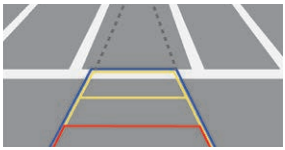
When reversing, make sure to follow the guidelines below:

- Before entering your vehicle, always check the area behind your vehicle.
- Do not solely rely on the rear view camera when reversing. Always ensure that it is safe to reverse by checking behind you and looking in the rearview mirrors.
- Always reverse slowly and stop immediately if you suspect that a person, especially a child, might be behind you.

Note

- You can change the operation setting for the rear view camera. On the Home screen, press **All menus ▶ Settings ▶ Advanced ▶ Keep rear camera on** and activate the **Keep rear camera on** option. The rear view screen will remain active even if you shift to any position other than "R" (Reverse) after reversing.
  ▶ See "Keep rear camera on (if equipped)."
- The parking guides show your vehicle's path according to the steering angle.





- If an object comes too close to your vehicle as you are parking the vehicle, a warning beep will sound. To prevent an accident that might result if you do not hear the beep, you can set the system to decrease the volume level of any media playing automatically when you are parking the vehicle. On the Home screen, press **All menus ▶ Settings ▶ Sound ▶ Volume ratio ▶ Proximity Warning**.

Steering-interactive camera

Checking the rear top view (if equipped)

With the rear top view feature, you can look down at what is behind you.

On the rear view screen, press .

- The parking guides are displayed on the rear top view screen.
  - The parking guides indicate the space necessary to open the tailgate of your vehicle. It can help you see if there is enough space to open the tailgate after parking and if there is any obstacle to opening it.
  - An extension of your vehicle's centre appears. It shows the path of your vehicle's centre according to the steering angle.

Checking the rear view while driving

You can check the rear view via the system screen while driving.

Press the [VIEW] button while driving.

- The rear view is displayed on the screen. On the screen, appears to indicate that the rear view is active.

To deactivate the rear view screen, press the [VIEW] button again.

Surround view monitor (if equipped)

The surround view monitor feature enables you to view the surroundings of your vehicle by using multiple cameras installed in the vehicle.

Checking your surroundings while driving

Press the [VIEW] button.

- The front view with the surround view is displayed on the screen.
- The feature is activated only in the following conditions:
  - When you are driving at 15 km/h or slower in "D" (Drive)
  - When you stop in "D" (Drive) or "N" (Neutral)

Press one of the icons at the bottom of the screen to check the corresponding direction.

Icon	Description
	Check the front view and the surround view.
	Check the front view in full screen.
	Check the front view and front-left view.
	Check the front view and front-right view.
	Check the rear view while driving. On the screen, appears to indicate that the rear view is active.
	Change the surround view screen settings.

To deactivate the surround view screen, press the [VIEW] button.

Note

If an open door or tailgate or a folded outside rearview mirror is detected while the surround view monitor is active, an alert icon will appear on the left side of the screen.

Checking your surroundings while reversing

When you shift to "R" (Reverse), the rear view will appear on the screen automatically.

Press one of the icons at the bottom of the screen to check the corresponding direction.

Icon	Description
	Check the rear view and the surround view.
	Check the rear view in full screen.
	Check the rear view and rear-left view.
	Check the rear view and rear-right view.
	Check the rear top view. ▶ See "Checking the rear top view."
	Change the surround view screen settings.

Note

If you shift to "P" (Park), the surround view monitor will not work.

Checking the rear top view

On the surround view screen, press to look down at what is behind you.

- The parking guides are displayed on the rear top view screen.
  - The parking guides indicate the space necessary to open the tailgate of your vehicle. It can help you see if there is enough space to open the tailgate after parking and if there is any obstacle to opening it.
  - An extension of your vehicle's centre appears. It shows the path of your vehicle's centre according to the steering angle.

Setting the surround view screen

To change the screen settings, press on the surround view screen.

- **Display contents**: Select what to display on the rear view screen.
- **Front view mode**: Select a default view to be displayed when you activate the surround view monitor while driving.
- **Rear view mode**: Select a default view to be displayed when the surround view monitor is activated while you are backing reversing.

Viewing driving information

You can see your driving patterns by checking information such as driving time, distance, idling time ratio, and speed distribution. Use driving information for safe and economical vehicle operation.

1 On the Home screen, press **All menus** ▶ **Driving info**.

2 View your vehicle's driving information.

- To view the latest information, press **Update**.

Note

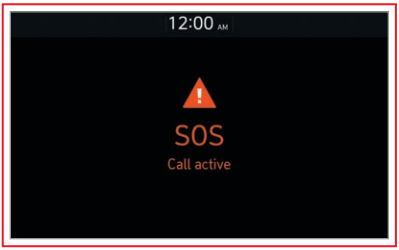
You can use this function only when your vehicle is stationary with the engine is running.

Using the ERA-GLONASS emergency call service

You can make an emergency call quickly in the event of a traffic accident via the ERA-GLONASS emergency call system.

Press the [**SOS**] button to call the emergency service.

- The system screen will switch to the SOS mode. All sounds will turn off.



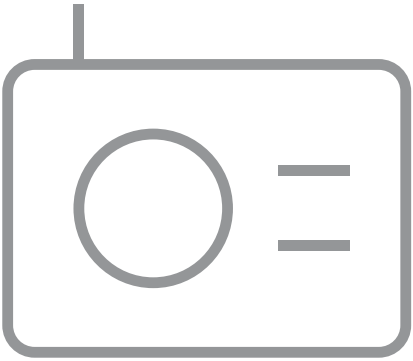
Note

Depending on your region, the ERA-GLONASS emergency call service may not be supported.

MEMO

3 Radio

Listening to the radio



Listening to the radio

You can search for radio stations through various search methods and listen to them. You can also save your favourite radio stations to the preset list.

Depending on the region, your system may support the following types of radio:

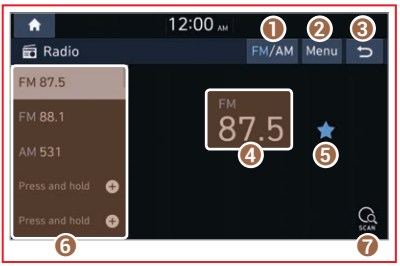
- General AM/FM radio
- RDS (Radio Data System) radio

In each sections of this chapter, you will find the description for both types of radio. Refer to the description corresponding to your system's radio.

Turning on the radio

AM/FM radio

Press **All menus** ▶ **Radio** on the Home screen, or press the Radio button on the control panel.



1. Select a radio mode.
2. Display the options list.
   - **Station list**: Access the list of available radio stations.
   - **Auto-sort favourites**: Sort the preset list in frequency order.
   - **Reorder favourites**: Rearrange saved radio stations on the preset list. ▶ See "Rearranging the preset list."
   - **Delete favourites**: Delete saved radio stations from the preset list. ▶ See "Deleting saved radio stations."
   - **Set number of favourites**: Set the number of radio stations to display on the preset list. ▶ See "Changing the number of radio stations on the preset list."
   - **Sound settings**: Customise the system sound settings. ▶ See "Configuring the sound settings."
   - **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.
3. Return to the previous level.
4. Radio station information
5. Save the current radio station to the preset list, or delete it from the list.
6. Preset list
7. Preview each radio station for a few seconds and select the one you want.

RDS radio

Press **All menus** ▶ **Radio** on the Home screen, or press the Radio button on the control panel.

❶ Select a radio mode.

❷ Access the preset list.

❸ Access the list of available radio stations.

❹ Display the options list.

- **TA**: Activate traffic announcements. Announcements and programmes will be received automatically if available.
- **Regional**: Enable or disable automatic switching between regional stations.
- **Sound settings**: Customise the system sound settings. ▶ See "Configuring the sound settings."
- **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.

❺ Return to the previous level.

❻ Radio station information

❼ Save the current radio station to the preset list, or delete it from the list.

❽ Preview each radio station for a few seconds and select the one you want.

Changing the radio mode

AM/FM radio

On the radio screen, press **FM/AM** to switch between the radio modes.

- Alternatively, press the Radio button on the control panel.

RDS radio

On the radio screen, press **Band** and select a desired mode.

- Alternatively, press the Radio button on the control panel.

Scanning for available radio stations

You can listen to each radio station for a few seconds and select the one you want.

AM/FM radio

1 On the radio screen, press SCAN.
- The system provides a preview of each radio station on the available stations list for five seconds.

2 When you find the radio station to which you want to listen, press SCAN to stop the scan.
- You can continue listening to the current radio station.

RDS radio

1 On the radio screen, press SCAN.
- The system provides a preview of each radio station on the available stations list for five seconds.

2 When you find the radio station to which you want to listen, press SCAN to stop the scan.
- You can continue listening to the current radio station.

Note

The system will not add or update the AM radio stations on the available stations list automatically. To add or update the AM radio stations manually, press **Band** ▶ **AM** ▶ **List** ▶ **Refresh**.

Searching for radio stations

AM/FM radio

You can search for radio stations by changing frequencies.

To change frequencies, press the Search backward button (**SEEK**) or the Search forward button (**TRACK**) on the control panel.

- An available radio station will be selected automatically.

To change frequencies quickly, press and hold the Search backward button (**SEEK**) or the Search forward button (**TRACK**) on the control panel.

- When you release the button, an available radio station will be selected automatically.
- Alternatively, press and hold the Search lever/button on the steering wheel.

To change frequencies manually, turn the Search knob (**TUNE FILE**) on the control panel.

RDS radio

You can search for radio stations on the available stations list.

On the radio screen, press **List** and select a desired radio station.

Or you can search for radio stations by changing frequencies.

To change frequencies, press the Search backward button (**SEEK**) or the Search forward button (**TRACK**) on the control panel.

- An available radio station will be selected automatically.

To change frequencies quickly, press and hold the Search backward button (**SEEK**) or the Search forward button (**TRACK**) on the control panel.

- When you release the button, an available radio station will be selected automatically.
- Alternatively, press and hold the Search lever/button on the steering wheel.

Note

Depending on the radio mode or current screen, this function may not work.

To change frequencies manually, turn the Search knob (**TUNE FILE**) on the control panel.

Note

Depending on the radio mode or current screen, this function may not work.

Saving radio stations

You can save your favourite radio stations and listen to them by selecting from the preset list.

AM/FM radio

Press the star icon (★) next to the current radio station information.

- The current radio station will be added to the first available slot on the preset list.
- Alternatively, press and hold an empty slot on the preset list.

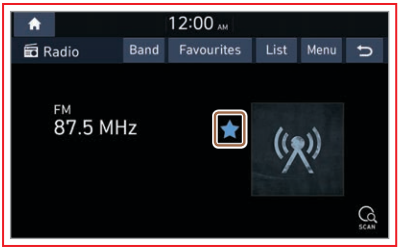
Note

- You can save up to 40 radio stations.
- If you select a slot that is already filled, the station will be replaced by the station you are listening to.

RDS radio

Press the star icon (★) next to the current radio station information.

- The current radio station will be added to the first available slot on the preset list.
- Alternatively, press **Favourites** and then press and hold an empty slot on the preset list.



Note

- You can save up to 40 radio stations.
- If you select an already assigned slot on the preset list, the station in the slot will be replaced by the station you are listening to.

Listening to saved radio stations

AM/FM radio

On the radio screen, select one of the radio stations from the preset list.

- Alternatively, use the Search lever/ button on the steering wheel to scroll through the radio stations on the preset list.

RDS radio

1 On the radio screen, press **Favourites**.

2 Select one of the radio stations from the preset list.

- Alternatively, use the Search lever/ button on the steering wheel to scroll through the radio stations on the preset list.

Rearranging the preset list

AM/FM radio

1 On the radio screen, press **Menu** ▶ **Reorder favourites**.

2 Press ☰ next to the radio station you want to move and drag it to a desired location.

- Your changes will be applied to the preset list immediately.

3 Press ⮌ to finish.

Note

To sort the preset list in frequency order, press **Menu** ▶ **Auto-sort favourites**.

RDS radio

1 On the radio screen, press **Favourites** ▶ **Menu** ▶ **Reorder favourites**.

2 Press ☰ next to the radio station you want to move and drag it to a desired location.
- Your changes will be applied to the preset list immediately.

3 Press ⮌ to finish.

Note

To sort the preset list by station name first and then frequency order, press **Menu** ▶ **Auto-sort favourites**.

Deleting saved radio stations

AM/FM radio

1 On the radio screen, press **Menu** ▶ **Delete favourites**.

2 Select the radio station you want to delete and press **Delete** ▶ **Yes**.
- The selected radio station will be deleted from the preset list.

Note

If you are listening to one of the saved radio stations, press the blue star icon next to the current radio station information to delete the radio station.

RDS radio

1 On the radio screen, press **Favourites** ▶ **Menu** ▶ **Delete favourites**.

2 Select the radio station you want to delete and press **Delete** ▶ **Yes**.

- The selected radio station will be deleted from the preset list.

Note

If you are listening to one of the saved radio stations, press the blue star icon next to the current radio station information to delete the radio station.

Changing the number of radio stations on the preset list

AM/FM radio

1 On the radio screen, press **Menu** ▶ **Set number of favourites**.

2 Select the number of radio stations and press **OK**.

- The selected number of the radio stations will be displayed on the preset list.

Note

If you set a number lower than the previously set number, only the selected number of radio stations will be displayed and the rest will be deleted.

RDS radio

1 On the radio screen, press **Favourites ▶ Menu ▶ Set number of favourites**.

2 Select the number of radio stations and press **OK**.

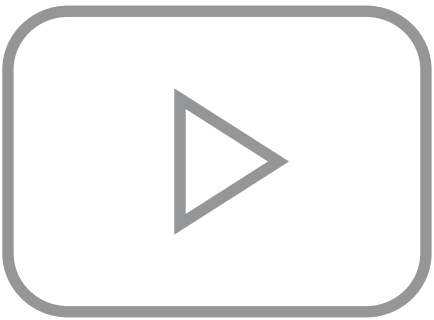
- The selected number of the radio stations will be displayed on the preset list.

Note

If you set a number lower than the previously set number, only the selected number of radio stations will be displayed and the rest will be deleted.

4 Media

Using the media



Using the media

Listening to music from a USB device

You can play media files stored in portable devices, such as USB storage devices and MP3 players. Check compatible USB storage devices and file specifications before using the USB mode. ▶ See "USB mode."

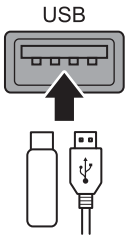
Note

Depending on the vehicle model and specifications, available buttons or the appearance and layout of the USB port in your vehicle may vary.

Starting the USB player

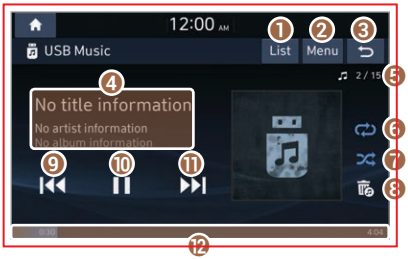
1 Connect your USB device to the USB port in the vehicle.

- Playback may start immediately depending on the device that you connect to the system.



2 Press **All menus** ▶ **Media** on the Home screen, or press the Media button on the control panel.

- The media player is displayed in full screen.
- If you have multiple media storage devices, press the Media button on the control panel again and press **USB Music** on the media selection window.



❶ Access the files list.

❷ Display the options list.
- **Media sources**: Select a media storage device you want to use.
- **Songs for this artist**: Move to the list of songs by the artist currently playing.
- **Songs for this album**: Move to the list of songs from the album currently playing.
- **Sound settings**: Customise the system sound settings. ▶ See "Configuring the sound settings."
- **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.

❸ Return to the previous level.

❹ Information about the song currently playing

❺ Current file number and total number of files

❻ Change the repeat play mode.

❼ Activate or deactivate the shuffle play mode.

❽ Hide the current file.

❾ Restart the current playback or play the previous file. Press and hold to rewind.

❿ Pause or resume playback.

⓫ Play the next file. Press and hold to fast forward.

⓬ Playback time and playback position

⚠ Caution

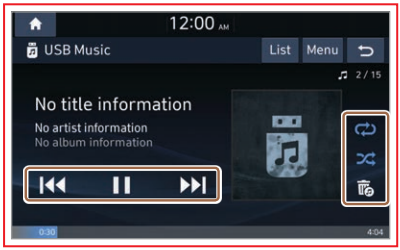
- Start the engine of your vehicle before connecting a USB device to your system. Starting the engine with a USB device connected to the system may damage the USB device.
- Be careful of static electricity when connecting or disconnecting a USB device. A static discharge may cause a system malfunction.
- Be careful not to let your body or external objects contact the USB port. Doing so may cause an accident or a system malfunction.
- Do not connect and disconnect a USB connector repeatedly in a short time. Doing so may cause an error in the device or a system malfunction.
- Do not use a USB device for purposes other than playing files. Using USB accessories for charging or heating may cause poor performance or a system malfunction.

Note

- Depending on the amplifier specifications applied to your vehicle, the sound effect setting button may appear on the screen.
- When connecting a USB storage device, do not use an extension cable. If you use a USB hub or an extension cable, the device may not be recognised.
- Fully insert a USB connector into the USB port. Failure to do so may cause a communication error.
- When you disconnect a USB device, a distorted noise may occur.
- The system can play only files encoded in a standard format.
- The following types of USB devices may not be recognised or work correctly:
  - Encrypted MP3 players
  - USB devices not recognised as removable disks
- A USB device may not be recognised depending on its condition.
- Some USB devices may be incompatible with your system.
- Depending on the USB device's type, capacity, or the format of files, USB recognition time may be longer.
- Depending on the specification, some USB devices may not support charging via a USB connection.

Controlling the USB player

Use the buttons on the media player screen to control the music playback.



Pausing/Resuming playback

Press ❚❚ to pause music playback. Press ▶ to resume playback.

Rewinding/Fast forwarding

Press and hold ⏮ or ⏭ to rewind or fast forward the song.

- Alternatively, use the Search backward button (**SEEK**) or the Search forward button (**TRACK**) on the control panel.
- You can also use the Search lever/ button on the steering wheel.
- You can change the playback position by pressing the progress bar on the screen. Music will begin playing from the selected location.

Restarting the current playback

After three seconds of playback have elapsed, press ⏮ to restart the current song.

- Alternatively, use the Search backward button (**SEEK**) on the control panel.
- You can also use the Search lever/ button on the steering wheel.

Playing the previous or next song

Press ⏮ within the first three seconds of the current song to play the previous song. After three seconds of playback have elapsed, press ⏮ twice. Press ⏭ to play the next song.

- Alternatively, use the Search backward button (**SEEK**) or the Search forward button (**TRACK**) on the control panel.
- You can also use the Search lever/ button on the steering wheel.
- On the control panel, turn the Search knob (**TUNE FILE**) to find the desired song and press the knob within five seconds to play the file. If no control is detected within five seconds, the search is cancelled and the screen displays information about the song currently playing.

Playing repeatedly

Press 🔁 to play a file on repeat.

- Each time you press the button, the corresponding mode icon appears on the button.

Note

Depending on the current playlist, available repeat play modes may vary.

Playing in random order

Press 🔀 to shuffle an album or playlist.

- When you activate the shuffle play mode, the icon on the button turns blue.

Hiding the current file

Press 🚫 to hide the currently playing file from the system. The file is moved to the "Hidden_" folder.

Note

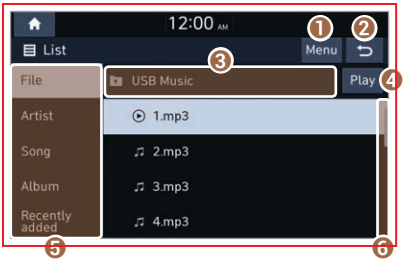
Only USB storage devices formatted in FAT16/32 formats support hiding files.

Searching for music files on a files list

Access a files list to search for and select a song.

1 On the music playback screen, press **List**.

2 Press the screen to open a folder, move to another category, or play a music file.



❶ Display the options list.
- **Media sources**: Select a media storage device you want to use.
- **Show current track**: Return to the currently playing file if it is not visible on the current screen.

❷ Return to the previous level.

❸ Move up to another folder/ category.

❹ Play all files in the selected folder or category.

❺ Search for a song based on categories.

❻ Scroll bar

Listening to music via Bluetooth

You can listen to music stored in the connected Bluetooth audio device via your vehicle's speakers.

Starting the Bluetooth audio player

1 Connect a Bluetooth-enabled device to your system, such as a mobile phone or an MP3 player. ▶ See "Connecting Bluetooth devices."

2 Press **All menus** ▶ **Media** on the Home screen, or press the Media button on the control panel.
- If you have multiple media storage devices, press the Media button on the control panel again and press **Bluetooth Audio** from the media selection window.

❶ If two Bluetooth audio devices are connected to your system, select a device to play music from.

❷ Display the options list.
- **Media sources**: Select a media storage device you want to use.
- **Connections**: Search for and connect another Bluetooth device.
- **Sound settings**: Customise the system sound settings. ▶ See "Configuring the sound settings."
- **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.

❸ Return to the previous level.

❹ Information about the song currently playing

❺ Change the repeat play mode.

❻ Activate or deactivate the shuffle play mode.

❼ Restart the current playback. Press twice to play the previous file.

❽ Pause or resume playback.

❾ Play the next file.

❿ Playback time and playback position

Note

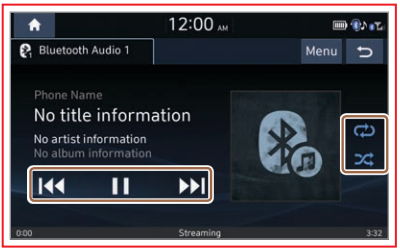
- Depending on the amplifier specifications applied to your vehicle, the sound effect setting button may appear on the screen.
- Depending on the connected Bluetooth device, mobile phone, or the music player you are using, playback controls may differ.
- Depending on the music player you are using, streaming may not be supported.
- Depending on the connected Bluetooth device or mobile phone, some functions may not be supported.
- If you connect a media device or mobile phone to your system via both Bluetooth and a USB cable, your system or device may not operate correctly. To use a Bluetooth connection, disconnect any cable connection to the device.

Controlling the Bluetooth audio player

Use the buttons on the media player screen to control the music playback.

Note

Depending on the connected Bluetooth device, mobile phone, or the music player you are using, playback controls may differ.



Pausing/Resuming playback

Press ❚❚ to pause music playback. Press ▶ to resume playback.

Restarting the current playback

After three seconds of playback have elapsed, press ⏮ to restart the current song.

- Alternatively, use the Search backward button (**SEEK**) on the control panel.
- You can also use the Search lever/ button on the steering wheel.

Playing the previous or next song

Press ⏮ twice to play the previous song. Press ⏭ to play the next song.

- Alternatively, use the Search backward button (**SEEK**) or the Search forward button (**TRACK**) on the control panel.
- You can also use the Search lever/ button on the steering wheel.

Playing repeatedly

Press 🔁 to play a file on repeat.

- Each time you press the button, the corresponding mode icon appears on the button.

Playing in random order

Press 🔀 to shuffle an album or playlist.

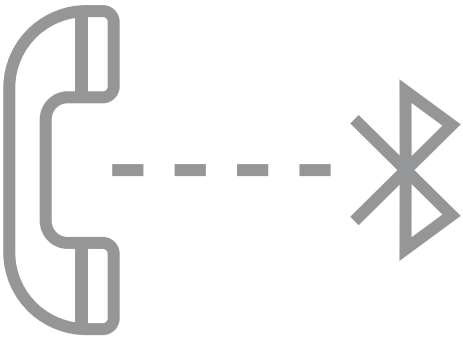
- When you activate the shuffle play mode, the icon on the button turns blue.

5 Phone

Connecting Bluetooth devices

Making a call via Bluetooth

Answering a call via Bluetooth



Connecting Bluetooth devices

Bluetooth is a short-range wireless networking technology. Via Bluetooth, you can connect nearby mobile devices wirelessly to send and receive data between connected devices. This enables you to use your devices effectively.

On your system, you can use only the Bluetooth Handsfree and Audio features. Connect a mobile device that supports the Bluetooth Handsfree or Audio feature.

Warning

Park your vehicle in a safe location before connecting Bluetooth devices. Distracted driving can cause a traffic accident and lead to personal injury or death.

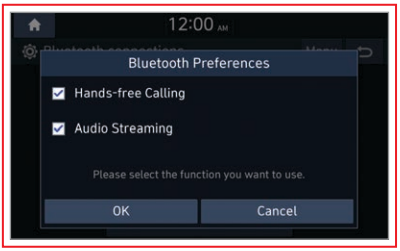
Pairing devices with your system

For Bluetooth connections, first pair your device with your system to add it to the Bluetooth devices list. You can register up to six devices.

1 On the Home screen, press **All menus ▶ Settings ▶ Device connection ▶ Bluetooth ▶ Bluetooth connections ▶ Add new**.

- If you are pairing a device with your system for the first time, you can also press the Call/Answer button on the steering wheel. Alternatively, on the Home screen, press **All menus ▶ Phone**.

2 Select a function you want to use and press **OK**.



3 On the Bluetooth device you want to connect, activate Bluetooth, search for your vehicle's system, and then select it.

- Check the system's Bluetooth name, which is displayed in the new registration pop-up window on the system screen.

4 Ensure that the Bluetooth passkeys displayed on the Bluetooth device screen and the system screen are the same and confirm the connection from the device.

5 If you are connecting a mobile phone, permit the system to access and download your data from the device.

- Downloading data is only for Bluetooth call functions. Permission is not required if you are connecting an audio device.

Note

- It may take a while for the system to connect with the device after you permit the system to access the device. When a connection is made, the Bluetooth status icon appears at the top of the screen.
- You can change the permission settings via the mobile phone's Bluetooth settings menu. For more information, refer to your mobile phone's user guide.
- When a device is connected to the system via Bluetooth, you cannot pair another device.
- If you do not want the system to connect with the device automatically, deactivate Bluetooth on your device.

Connecting a paired device

To use a Bluetooth device on your system, connect the paired device to the system. You can connect your system with one device for Bluetooth Handsfree or two devices at a time for Bluetooth Audio.

1 On the Home screen, press **All menus ▶ Settings ▶ Device connection ▶ Bluetooth ▶ Bluetooth connections**.

2 Press a device name or **Connect**.

- If another device is already connected to your system, disconnect it. Press **Disconnect** next to the device.

❶ Display the options list.
- **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.

❷ Return to the previous level.

❸ Connect the device.

❹ List of Bluetooth devices paired with the system. Press a device name to connect or disconnect the device.

❺ Disconnect the device.

❻ Select a function you want to use on the Bluetooth device.

❼ Pair a new device with your system.

❽ Delete paired devices. Downloaded data from devices will also be deleted.

Note

- If you cannot connect a Bluetooth device, check if Bluetooth is activated on the device.
- If a connection ends because a device is out of the connection range or a device error occurs, the connection will be restored automatically when the device enters the connection range or when the error is cleared.
- If a connection is unstable due to a communication error, reset Bluetooth by pressing **All menus ▶ Settings ▶ Device connection ▶ Bluetooth ▶ Factory settings**, and then reconnect the device.

Disconnecting a device

If you want to stop using a Bluetooth device or connect another device, disconnect your currently connected device.

1 On the Home screen, press **All menus ▶ Settings ▶ Device connection ▶ Bluetooth ▶ Bluetooth connections**.

2 Press a device name or **Disconnect**.

3 Press **Yes**.

Deleting paired devices

If you no longer want a Bluetooth device paired or if you want to connect a new device when the Bluetooth devices list is full, delete paired devices.

1 On the Home screen, press **All menus ▶ Settings ▶ Device connection ▶ Bluetooth ▶ Bluetooth connections ▶ Delete devices**.

2 Select the devices you want to delete and press **Delete**.
- To delete all paired devices, press **Mark all ▶ Delete**.

3 Press **Yes**.
- Downloaded data from devices will also be deleted.

Making a call via Bluetooth

By connecting a device that supports Bluetooth Handsfree, you can use the Bluetooth phone feature on your system. This feature enables you to talk on the phone hands free via Bluetooth. View call information on the system screen, and make or receive calls safely and conveniently via the vehicle's built-in microphone and speakers.

⚠ Warning

- Park your vehicle in a safe location before connecting any Bluetooth devices. Distracted driving can cause a traffic accident and lead to personal injury or death.
- Never dial a phone number by entering it manually or pick up your mobile phone while driving. Use of a mobile phone may distract your attention, making it difficult to recognise external conditions and reducing the ability to cope with unexpected situations, which may lead to an accident. If necessary, use the Bluetooth Handsfree feature to make a call and keep the call as short as possible.

Dialling from your call history

You can make a call by selecting one of your call records downloaded from the connected mobile phone.

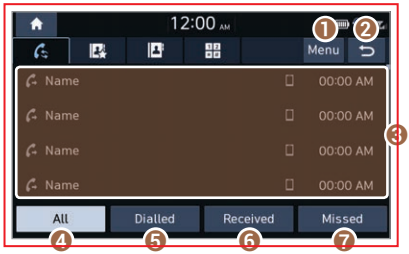
1 On the Home screen, press **All menus** ▶ **Phone**.

- Alternatively, press the Call/Answer button on the steering wheel.
- If the Bluetooth Handsfree feature is deactivated, the device selection pop-up window appears. Connect a mobile phone by selecting one from your list of paired devices or by pairing a new one.

2 On the Bluetooth phone screen, press .

3 Select a call record from your call history to make a call.

- You can find the call record you want by using the Search lever/button on the steering wheel.



❶ Display the options list.
- **Download**: Download your call history.
- **Privacy mode**: Activate the privacy mode to protect your personal information. In the privacy mode, personal data will not be displayed.
- **Bluetooth settings**: Change the settings for Bluetooth connections.
- **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.

❷ Return to the previous level.

❸ Call records downloaded from your mobile phone

❹ View all call records.

❺ View only dialled calls.

❻ View only received calls.

❼ View only missed calls.

4 To end the call, press the Call end button on the steering wheel or press **End** on the call screen.

Note

- Some mobile phones may not support the download function.
- Up to 50 call records will be downloaded per individual list.
- Call durations do not appear on the system screen.
- Permission is required to download your call history from the mobile phone. When you attempt to download data, you may need to permit the download on the mobile phone. If the download fails, check the mobile phone screen for any notification or the mobile phone's permission setting.
- When you download your call history, any old data will be deleted.

Dialling from your favourites list

If you register frequently used phone numbers as your favourites, you can find them and dial them quickly.

Setting up your favourites list

1 On the Home screen, press **All menus** ▶ **Phone**.

- Alternatively, press the Call/Answer button on the steering wheel.
- If the Bluetooth Handsfree feature is deactivated, the device selection pop-up window appears. Connect a mobile phone by selecting one from your list of paired devices or by pairing a new one.

2 On the Bluetooth phone screen, press .

3 Press **Add new** and select a contact from your contacts list.

- If you have already added your favourites, on the favourites screen, press **Menu** ▶ **Edit**.

4 Press the start icon ( ) next to the phone number you want.

- The phone number is added to your favourites list.

Note

- You can register up to 10 favourites for each device.
- To delete one of your favourites, on the favourites screen, press **Menu** ▶ **Delete**.
- When you connect a new mobile phone, your favourites set for the previous mobile phone will not be displayed, but they will remain in your system until you delete the previous phone from the devices list.

Making a call through the favourites list

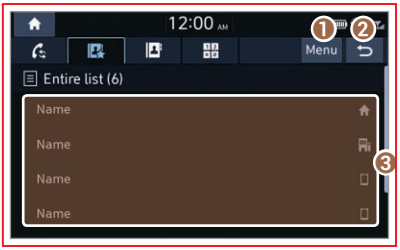
1 On the Home screen, press **All menus** ▶ **Phone**.

- Alternatively, press the Call/Answer button on the steering wheel.
- If the Bluetooth Handsfree feature is deactivated, the device selection pop-up window appears. Connect a mobile phone by selecting one from your list of paired devices or by pairing a new one.

2 On the Bluetooth phone screen, press .

3 Select a contact from your favourites list to make a call.

- You can find the contact you want by using the Search lever/button on the steering wheel.



❶ Display the options list.
- **Edit**: Register phone numbers from the downloaded contacts as your favourites or change your favourites.
- **Delete**: Delete phone numbers from your favourites list.
- **Privacy mode**: Activate the privacy mode to protect your personal information. In the privacy mode, personal data will not be displayed.
- **Bluetooth settings**: Change the settings for Bluetooth connections.
- **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.

❷ Return to the previous level.

❸ Contacts registered as your favourites

Dialling from your contacts list

You can make a call by selecting one of your contacts downloaded from the connected mobile phone.

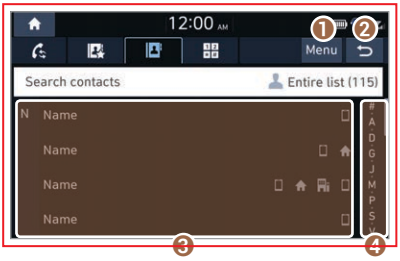
1 On the Home screen, press **All menus ▶ Phone**.

- Alternatively, press the Call/Answer button on the steering wheel.
- If the Bluetooth Handsfree feature is deactivated, the device selection pop-up window appears. Connect a mobile phone by selecting one from your list of paired devices or by pairing a new one.

2 On the Bluetooth phone screen, press .

3 Select a contact from the contacts list to make a call.

- You can find the contact you want by using the Search lever/button on the steering wheel.



1. Display the options list.
   - **Download**: Download your mobile phone contacts.
   - **Search**: Enter a contact's name or phone number to search the list.
   - **Privacy mode**: Activate the privacy mode to protect your personal information. In the privacy mode, personal data will not be displayed.
   - **Bluetooth settings**: Change the settings for Bluetooth connections.
   - **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.
2. Return to the previous level.
3. Contacts downloaded from your mobile phone
4. Select an initial letter to find contacts quickly.

Note

- Only contacts in the supported format can be downloaded and displayed from the Bluetooth device. Contacts from some applications will not be included.
- Up to 5,000 contacts can be downloaded from your device.
- Some mobile phones may not support the download function.

- Contacts stored both in the phone and in the SIM card are downloaded. With some mobile phones, contacts in the SIM card may not be downloaded.
- If you have set up speed dial numbers on the mobile phone, you can make a call by pressing and holding a speed dial number on the keypad. Depending on the mobile phone type, the speed dialling function may not be supported.
- Permission is required to download contacts from the mobile phone. When you attempt to download data, you may need to permit the download on the mobile phone. If the download fails, check the mobile phone screen for any notification or the mobile phone's permission setting.
- Depending on the mobile phone type or status, downloading may take longer.
- When you download your contacts, any old data will be deleted.
- You cannot edit or delete your contacts on the system.
- When you connect a new mobile phone, your contacts downloaded from the previous mobile phone will not be displayed, but they will remain in your system until you delete the previous phone from the devices list.

Dialling from the keypad

You can make a call by entering a phone number manually on the keypad.

⚠ Warning

Never dial a phone number by entering it manually while driving. This may distract your attention, making it difficult to recognise external conditions and reducing the ability to cope with unexpected situations, which may lead to an accident.

1 On the Home screen, press **All menus ▶ Phone**.
   - Alternatively, press the Call/Answer button on the steering wheel.
   - If the Bluetooth Handsfree feature is deactivated, the device selection pop-up window appears. Connect a mobile phone by selecting one from your list of paired devices or by pairing a new one.

2 On the Bluetooth phone screen, press 1 2 + #.

3 Enter a phone number on the keypad and press to make a call.
   - You can also search for contacts by using alphabets or digits labelled on the keypad.

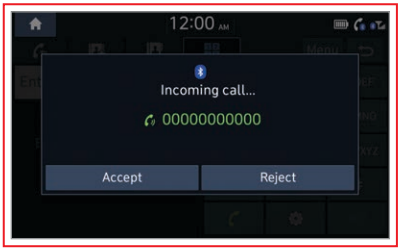
1. Display the options list.
   - **Privacy mode**: Activate the privacy mode to protect your personal information. In the privacy mode, personal data will not be displayed.
   - **Bluetooth settings**: Change the settings for Bluetooth connections.
   - **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.
2. Return to the previous level.
3. Enter a phone number or name by using the keypad.
4. Dial the phone number you entered. If you did not enter any phone number, this button will perform the following functions:
   - Pressing this button enters the most recently dialled phone number into the input field.
   - Pressing and holding this button redials the most recently dialled phone number.
5. Search for and connect another Bluetooth device.
6. Delete the phone number you entered.

Answering a call via Bluetooth

You can accept or reject calls and use convenient functions during a call.

Accepting or rejecting a call

When a call comes in, a notification pop-up window of the incoming call appears on the system screen.



To answer the call, press **Accept**.

- Alternatively, press the Call/Answer button on the steering wheel.

To reject the call, press **Reject**.

- Alternatively, press the Call end button on the steering wheel.

Warning

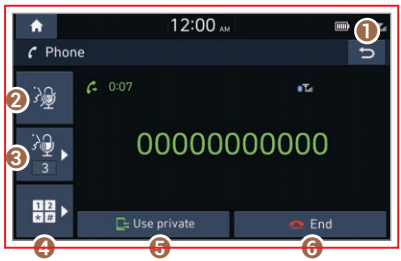
- Park your vehicle in a safe location before connecting any Bluetooth devices. Distracted driving can cause a traffic accident and lead to personal injury or death.
- Never pick up your mobile phone while driving. Use of a mobile phone may distract your attention, making it difficult to recognise external conditions and reducing the ability to cope with unexpected situations, which may lead to an accident. If necessary, use the Bluetooth Handsfree feature to make a call and keep the call as short as possible.

Note

- Depending on the mobile phone type, call rejection may not be supported.
- Once your mobile phone is connected to the system, the call sound may be output through the vehicle's speakers even after you exit the vehicle if the phone is within the connection range. To end the connection, disconnect the device from the system or deactivate Bluetooth on the device.

Using functions during a call

During a call, you will see the call screen shown below. Press a button to perform the function you want.



1. Return to the previous level.
2. Turn off the microphone so the other party cannot hear you.
3. Adjust the microphone volume.
4. Display or hide the keypad.
5. Switch the call to your mobile phone. Depending on the mobile phone type, this function may not be supported.
6. End the call.

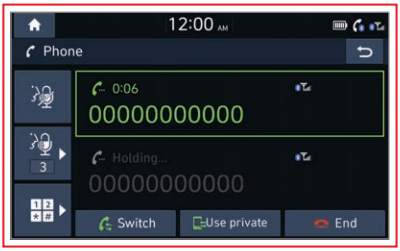
Note

- If the caller information is saved in your contacts list, the caller's name and phone number will be displayed. If the caller information is not saved in your contacts list, only the caller's phone number will be displayed.
- You cannot switch to any other screen, such as the radio, media, or settings screen, during a Bluetooth call.
- Depending on the mobile phone type, call quality may vary. On some phones, your voice may be less audible to the other party.
- Depending on the mobile phone type, the phone number may not be displayed.

Switching between calls

If your mobile phone supports call waiting, you can accept a second call. The first call is put on hold.

To switch between the active call and the held call, press **Switch** or press the phone number displayed on the call screen.



Note

Depending on the mobile phone type, this function may not be supported.

MEMO

6 Voice functions

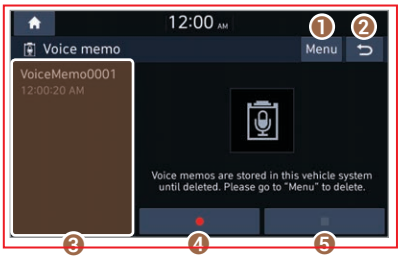
Using Voice memo

Using Voice memo

You can record voice memos using the microphone installed in your vehicle and play voice memos on your system.

Starting Voice memo

On the Home screen, press **All menus** ▶ **Voice memo**.



❶ Display the options list.
- **Delete**: Delete voice memos.
- **Save to USB**: Save voice memos to a USB storage device. This option is available only for USB storage devices formatted in FAT16/32 formats.
- **Memory**: View information on the storage space used for your voice memos.
- **Manual**: Access the web manual via the QR code. For safety reasons, you can access the QR code only when your vehicle is stationary.

❷ Return to the previous level.

❸ List of your voice memos. Press a voice memo to play it.

❹ Start or pause recording.

❺ Stop recording.

Recording voice memos

1 On the Home screen, press **All menus** ▶ **Voice memo**.

2 On the voice memo screen, press ●.
- Press ❚❚ to pause recording. Press ● to resume recording.

3 Press ■ to stop recording.
- Alternatively, press the Call end button on the steering wheel.
- The voice memo is saved and added to the voice memos list on the left of the screen.

Note

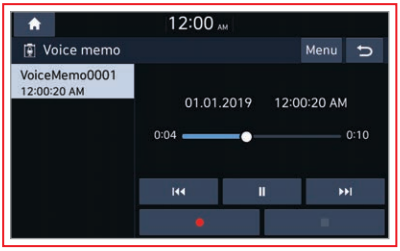
- Voice memo recording mutes the function in operation or pauses media playback.
- If you make or answer a call while recording a voice memo, the recording pauses.

Playing voice memos

1 On the Home screen, press **All menus ▶ Voice memo**.

2 Select a voice memo from the voice memos list.

- The voice memo will begin playing.



Pausing/Resuming playback

Press ⏸ to pause voice memo playback.
Press ▶ to resume playback.

Rewinding/Fast forwarding

Press and hold ⏮ or ⏭ to rewind or fast forward the voice memo.

- Alternatively, use the Search backward button (**SEEK**) or the Search forward button (**TRACK**) on the control panel.
- You can also use the Search lever/ button on the steering wheel.
- You can change the playback position by pressing the progress bar on the screen. The voice memo will begin playing from the selected location.

Restarting the current playback

After three seconds of playback have elapsed, press ⏮.

- Alternatively, use the Search forward button (**TRACK**) on the control panel.
- You can also use the Search lever/ button on the steering wheel.

Playing the previous or next voice memo

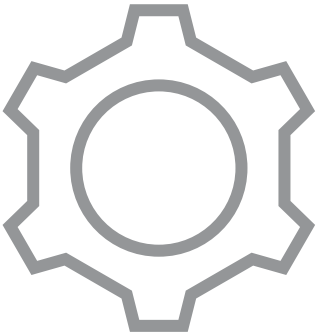
Press ⏮ within the first three seconds of the current voice memo to play the previous file. After three seconds of playback have elapsed, press ⏮ twice. Press ⏭ to play the next voice memo.

- Alternatively, use the Search backward button (**SEEK**) or the Search forward button (**TRACK**) on the control panel.
- You can also use the Search lever/ button on the steering wheel.
- On the control panel, turn the Search knob (**TUNE FILE**) to find the desired voice memo and press the knob within five seconds to play the file. If no control is detected within five seconds, the search is cancelled and the screen displays information about the voice memo currently playing.

MEMO

7 Settings

Configuring the vehicle settings (if equipped)
Configuring the device connection settings
Configuring the advanced system settings
Configuring the general system settings
Configuring the sound settings
Configuring the display settings



Configuring the vehicle settings (if equipped)

You can change the settings related to driving or the interior and exterior environment of your vehicle.

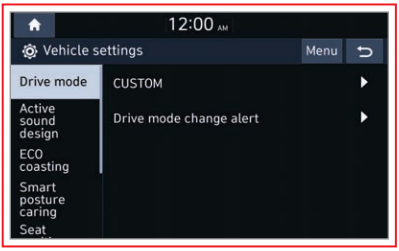
On the Home screen, press **All menus** ▶ **Settings** ▶ **Vehicle** and select an option to change.

Note

- You can change the vehicle environment settings only when the engine is running.
- Depending on the vehicle model or specifications, available options may vary.

Drive mode (if equipped)

You can change the settings related to driving environment of your vehicle.



CUSTOM (if equipped)

You can set the drive modes by individual parts, such as the engine or suspension.

- **ECO** (if equipped): This is a drive mode for increasing the vehicle's fuel efficiency. This mode is available for the AWD, engine, and transmission of your vehicle.
- **COMFORT** (if equipped): This is a drive mode focused on the driver and passenger's comfort.
- **SPORT** (if equipped): This drive mode enables a more dynamic driving performance.

Drive mode change alert (if equipped)

You can set to display a notification when you change your vehicle's drive mode.

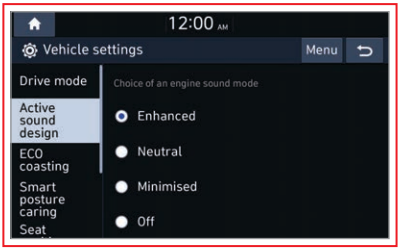
- **Detailed alert** (if equipped): When you change the drive mode, a detailed notification will be displayed with the vehicle image.
- **Simple alert** (if equipped): When you change the drive mode, a brief notification will be displayed at the top of the screen.
- **Off** (if equipped): When you change the drive mode, no notification will be displayed.

Note

Depending on the vehicle model and specifications, this function may not be supported.

Active sound design (if equipped)

You can select an engine sound mode. The set engine sound is a virtual sound that is output through the system speaker. It does not affect the engine's actual operation and performance.



Caution

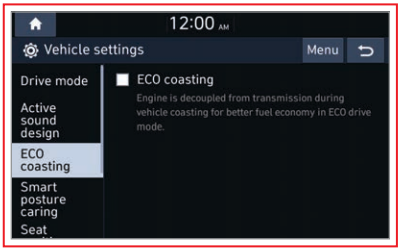
For your safety, park your vehicle at a safe location and shift to "P" (Park) before setting the engine sound effect.

Note

If you replace the vehicle's amplifier or speaker arbitrarily, this function may not work correctly.

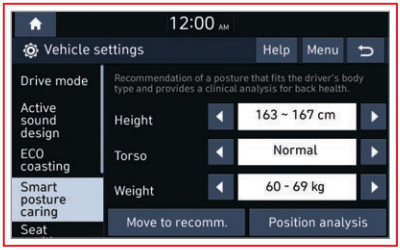
ECO coasting (if equipped)

You can set the vehicle to disengage the engine from the transmission while coasting in ECO mode to save fuel.



Smart posture caring (if equipped)

You can enter your body measurements to analyse your posture and adjust the driver's seat to change to the optimal posture.

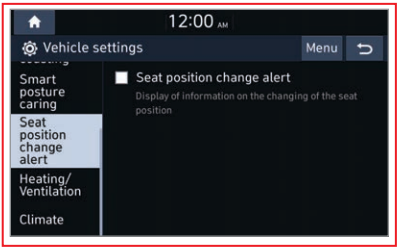


Note

This function is unavailable when you drive at 3 km/h or faster in "D" (Drive), "N" (Neutral), or "R" (Reverse).

Seat position change alert (if equipped)

You can set the system to display a notification when you change the position, height, or angle of the driver's seat.



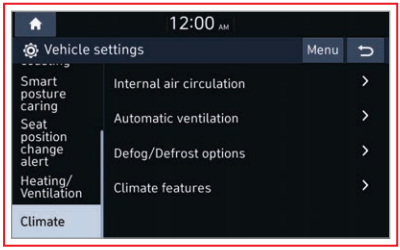
Heating/Ventilation (if equipped)

You can set the steering wheel heater and the driver seat heater or ventilation to be controlled automatically.

The auto control mode will be deactivated if you operate the heater or ventilation controls manually. Selecting this option again or restarting the vehicle will reactivate the auto control mode.

Climate (if equipped)

You can change the vehicle's climate control settings.



Note

Depending on the climate control specifications, some functions may not be supported.

Internal air circulation (if equipped)

You can set the system to cut off the inflow of outdoor air to maintain a comfortable environment.

- **Activation on washer fluid use** (if equipped): Set to activate air recirculation to decrease the inflow of the washer fluid smell while spraying washer fluid.

Automatic ventilation (if equipped)

You can set the system to activate automatic air ventilation to maintain a comfortable environment when the air in the vehicle is stuffy.

- **Auto dehumidify** (if equipped): Set to activate air ventilation automatically to prevent the interior from becoming humid over time due to air recirculation.

- **Smart ventilation** (if equipped): Set to expel air from the vehicle automatically as needed, such as when the air becomes too humid, when the climate control system is turned off.
- **Carbon dioxide reduction** (if equipped): Set to expel air from the vehicle automatically when the carbon dioxide density in the vehicle increases.

Defog/Defrost options (if equipped)

You can change the defog/defrost settings.

- **Defog/Defrost** (if equipped): Set to activate air ventilation or operate the air conditioner automatically to defog or defrost the windshield.
- **Auto defog** (if equipped): Set to operate the climate control system automatically to prevent fog from forming on the front windshield.

Climate features (if equipped)

You can change the settings for the climate control features.

- **Lock rear climate controls** (if equipped): Set to prevent operation of the climate control system from the rear seats.
- **Rear climate control** (if equipped): Set to check the current status and control the rear seat climate control system via the system screen.

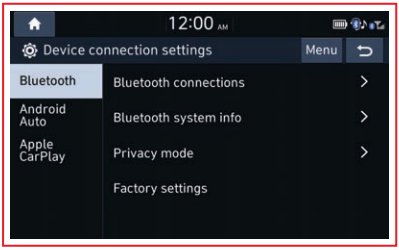
Configuring the device connection settings

You can manage Bluetooth devices or customise your Bluetooth settings. You can also enable phone projection to control your smartphone applications via the system screen.

On the Home screen, press **All menus ▶ Settings ▶ Device connection** and select an option to change.

Bluetooth

You can change the settings for Bluetooth connections.



Note

Some options will be displayed only when a mobile phone is connected to the system.

Bluetooth connections

You can pair new Bluetooth devices with your system, or connect or disconnect a paired device. You can also delete paired devices.

Bluetooth system info

You can view or edit your system's Bluetooth information.

Privacy mode

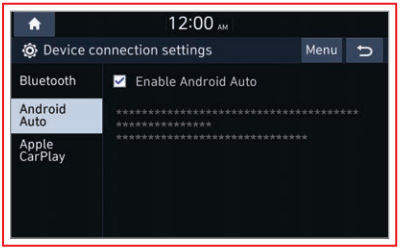
You can activate the privacy mode to protect your personal information. In the privacy mode, personal data will not be displayed.

Factory settings

You can delete all paired Bluetooth devices and reset your Bluetooth settings to default values. All data related to Bluetooth devices will also be deleted.

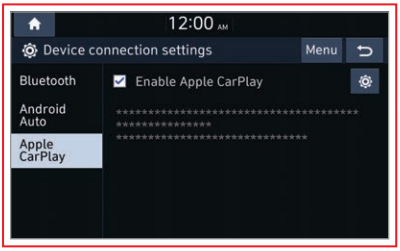
Android Auto

You can enable Android Auto to connect your Android smartphone to your system.



Apple CarPlay

You can enable Apple CarPlay to connect your iPhone to your system.



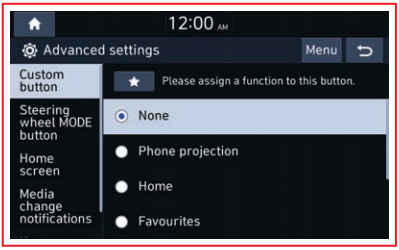
Configuring the advanced system settings

You can customise the advanced system settings, such as notifications or button functions.

On the Home screen, press **All menus** ▶ **Settings** ▶ **Advanced** and select an option to change.

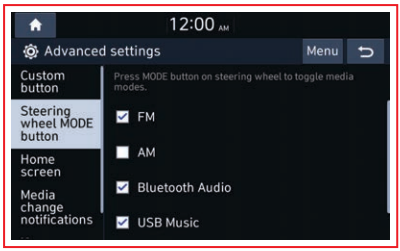
Custom button

You can select a function to access when you press the Custom button on the control panel.



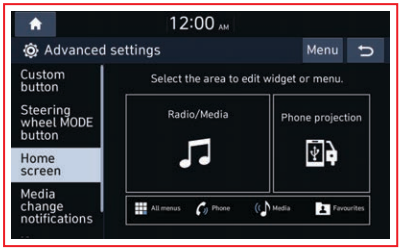
Steering wheel MODE button

You can select radio/media functions to access when you press the Mode button on the steering wheel.



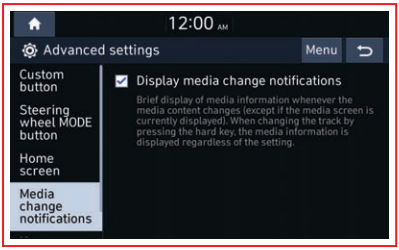
Home screen

You can change the widgets and menus displayed on the Home screen. Personalise the Home screen by adding your favourite menus. ▶ See "Changing the Home screen widgets" or "Changing the Home screen menu icons."



Media change notifications

You can set to briefly display media information at the top of the screen when the next item starts playing if you move from the media player to another function screen.



Keep rear camera on (if equipped)

You can set the rear view screen to remain active even if you shift to any position other than "R" (Reverse) after reversing. When you shift to "P" (Park) or drive at a predetermined speed or faster, the rear view screen will be deactivated and the system will display the previous screen automatically.

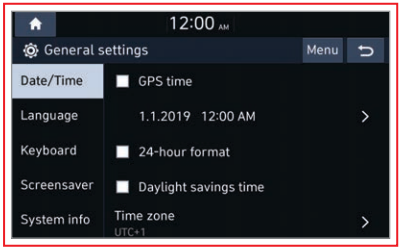
Configuring the general system settings

You can customise your system environment settings, such as the time and date, the system language, and more.

On the Home screen, press **All menus** ▶ **Settings** ▶ **General** and select an option to change.

Date/Time

You can set the current time and date or change the time display format.



GPS time

You can set the system to receive time information from the GPS. When you deactivate this option, you can set the time and date manually.

24-hour format

You can set the time in the 24 hour format.

Daylight savings time

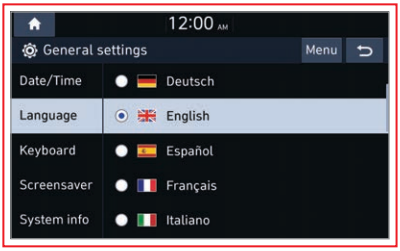
You can apply summer time.

Time zone

You can select your time zone.

Language

You can change the system language.

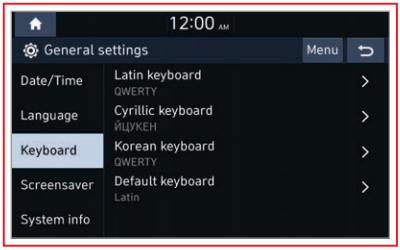


Note

- It may take a while for the system to apply the selected language. When the change is completed, a pop-up window will appear telling you the system language has changed. Press outside the pop-up window area on the screen to close the window, or wait for a few seconds.
- This setting will not affect user data, such as MP3 file names.

Keyboard

You can select a keyboard type for each language.



Note

This setting will be applied to all text input on your system.

Latin keyboard

You can select an English keyboard.

Cyrillic keyboard

You can select a Cyrillic keyboard.

Korean keyboard

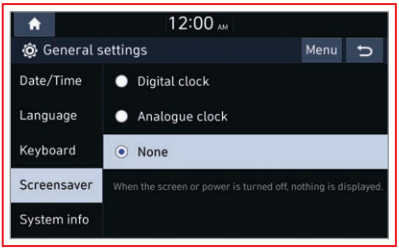
You can select a Korean keyboard.

Default keyboard

You can select a default keyboard.

Screensaver

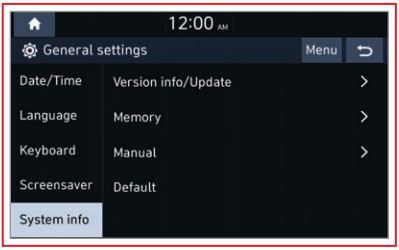
You can select a screen saver option to be displayed when you turn off the screen by pressing and holding the Power button on the control panel.



- **Digital clock**: The digital clock is displayed.
- **Analogue clock**: The analogue clock is displayed.
- **None**: No screen saver is displayed.

System info

You can view your system information or reset your system settings to the default values.



Version info/Update

You can view your system's version information or update it to the latest version. To update your system, visit your local dealership.

Caution

- Depending on the total data amount, an update may take several minutes.
- Do not turn off the system or remove the storage device while the update is in progress. If the power supply is cut off or the storage device is removed from the system, it may damage the data or cause a system malfunction.

Memory

You can view storage information of your system's memory.

Manual

You can access the web manual of the system by scanning the QR code with your smartphone.

Warning

Park your vehicle in a safe location before scanning the QR code. For safety reasons, you are not able to access QR codes from the system's screen while the vehicle is moving.

Default

You can reset your system settings to the default values. All user data stored in the system will also be deleted.

Configuring the sound settings

You can change the settings related to sounds, such as the speaker volume and sound effects.

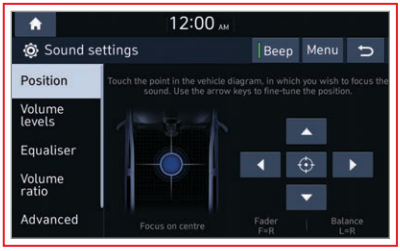
On the Home screen, press **All menus** ▶ **Settings** ▶ **Sound** and select an option to change.

Note

- Depending on the vehicle model or specifications, available options may vary.
- Depending on the system or amplifier specifications applied to your vehicle, some functions may not be supported.

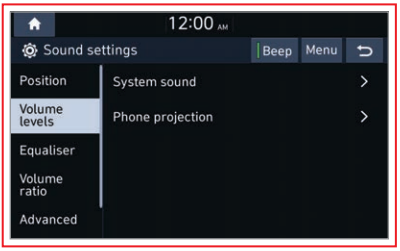
Position

You can select a location where sound will be concentrated in the vehicle. Press a desired location on the seat image or press the arrow buttons to move the focus. To set sound to be centred in the vehicle, press .



Volume levels

You can adjust the volume levels for various system features, including phone projection.



System sound

You can adjust the volume levels for individual system features.

Note

To restore the default volume settings for system features, press **Default**.

Phone projection

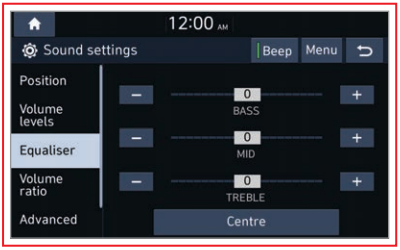
You can adjust the volume levels for phone projection features individually.

Note

To restore the default volume settings for phone projection, press **Default**.

Equaliser

You can adjust the output level for each sound tone mode.

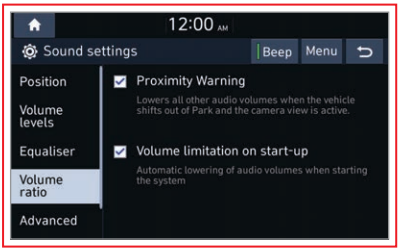


Note

To restore the default settings for all sound tone modes, press **Centre**.

Volume ratio

You can set specific sounds to take priority over other sounds when they play at the same time.



Proximity Warning

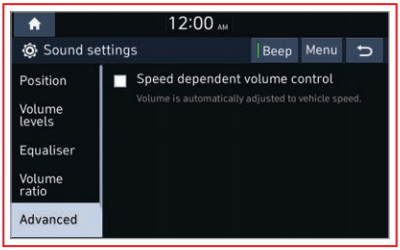
You can set the system to decrease the audio volume to hear a proximity warning prior to other sounds while parking your vehicle.

Volume limitation on start-up

You can set the system to automatically decrease the volume when turned on, if the volume has been set to too high of a level.

Advanced

You can set the advanced sound options or apply various sound effects.



Note

Depending on the amplifier specifications, available sound options and effects may vary.

Speed dependent volume control

You can set the volume to be adjusted automatically according to your driving speed.

Live Dynamic (if equipped)

You can enjoy natural, dynamic sound like sound from a live performance.

Bass Boost (if equipped)

You can enjoy grand, dynamic sound with amplified bass frequencies.

Clari-Fi (if equipped)

You can enjoy sound restored to compensate for frequencies lost during audio compression.

Quantum Logic Surround (if equipped)

You can enjoy spacious, surround sound, like the actual sound on a live stage.

BOSE Centerpoint (if equipped)

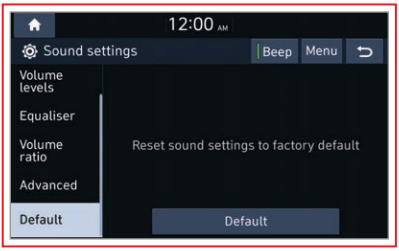
You can enjoy rich surround sound via the stereo sound source, such as digital audio files or satellite radio.

BOSE Dynamic Speed Compensation (if equipped)

You can enjoy a stable listening environment by automatically calibrating the sound according to your driving speed.

Default

You can reset your sound settings to the default values.



Touch sound (Beep)

You can turn the touch sound on or off by pressing **Beep** on the sound settings screen.

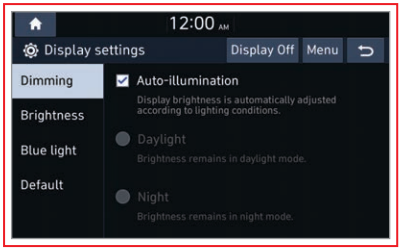
Configuring the display settings

You can change the settings for the screen display.

On the Home screen, press **All menus** ▶ **Settings** ▶ **Display** and select an option to change.

Dimming

You can set the screen brightness to be adjusted automatically according to the ambient lighting conditions or set the screen to stay bright or dark continuously.



Auto-illumination

The screen brightness is adjusted automatically based on the ambient lighting conditions.

Daylight

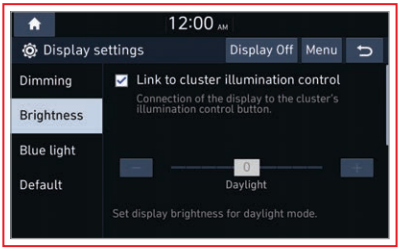
This option is available when you deactivate the **Auto-illumination** option. The screen brightness stays bright regardless of the ambient lighting conditions.

Night

This option is available when you deactivate the **Auto-illumination** option. The screen brightness stays dark regardless of the ambient lighting conditions.

Brightness

You can adjust the screen brightness for each brightness mode.



Link to cluster illumination control

You can set the system brightness to be adjusted according to the instrument cluster's brightness. If this feature is deactivated, you can adjust the brightness for the day or night mode according to your setting in the **Dimming** option.

Daylight

You can adjust the screen brightness for the day mode when you select **Daylight** in the **Dimming** option.

Night

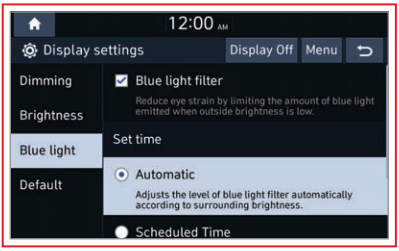
You can adjust the screen brightness for the night mode when you select **Night** in the **Dimming** option.

Note

To restore the default settings for the brightness modes, press **Default**.

Blue light

The blue light filter reduces eye fatigue by adjusting the levels of blue light displayed by the screen.



Blue light filter

You can set to use the blue light filter.

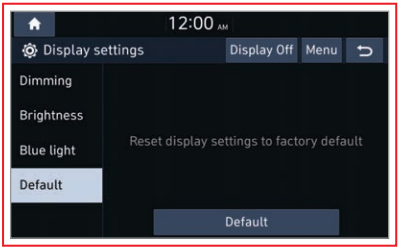
Set time

You can set the system to activate the blue light filter automatically according to the ambient lighting conditions or manually enter a period for when to use the blue light filter.

- **Automatic**: The blue light filter will function automatically according to the ambient lighting conditions.
- **Scheduled Time**: The blue light filter will function during the set period.

Default

You can reset your display settings to the default values.



8 Appendix

Troubleshooting
System status icons
FAQ
Product specifications
Index
Trademarks
Open Source Information

Troubleshooting

Before reporting a malfunctioning system, refer to the following table and see if you can identify and fix the problem. If the problem persists or you are unable to locate your specific need, contact your place of purchase or dealer.

Sound and display

Symptom	Possible cause	Solution
No sound	System turned off	• Ensure that the engine start/stop button is set to "ACC" or "ON." • Press the Power button to turn on the system.
	Low volume level	Turn the Volume knob on the control panel to adjust the volume.
	System muted	Press the Mute button on the steering wheel to unmute the system.
Sound is heard from only one speaker.	Unbalanced sound output	On the Home screen, press **All menus** ▶ **Settings** ▶ **Sound** ▶ **Position** and change the settings to adjust the sound balance.
Sound is cut off or a distorted noise is heard.	System vibration	It is not a malfunction. If the system vibrates, the sound may be cut off or a distorted noise may occur. When the vibration stops, the system will operate normally.
The image quality is deteriorated.	System vibration	It is not a malfunction. If the system vibrates, the image may be distorted. When the vibration stops, the system will operate normally.
	Aged or deteriorated screen	If the problem persists, contact your place of purchase or dealer.
Small red, blue, or green dots appear on the screen.		Because the LCD is manufactured with technology requiring extremely high pixel density, pixel deficiency or constant lighting may occur within the permitted range of less than 0.01 % of the total pixels.

USB playback

Symptom	Possible cause	Solution
The files on the USB storage device are not recognised.	File format not compatible	Copy compatible media files to the USB device and reconnect the device. ▶ See "USB mode."
	Poor connection	Disconnect the USB storage device from the USB port and reconnect it correctly.
	Contaminated USB connectors	Remove foreign substances from the USB connector of the storage device and the contact surface of the USB port.
	USB hub or extension cable used	Connect the USB storage device directly to the USB port.
	Non-standard USB storage device used	Use a USB storage device that is compatible with the system. ▶ See "USB mode."
	Corrupt USB storage device	Format the USB storage device on a PC and reconnect it. Format the device in FAT16/32 format.

Bluetooth connection

Symptom	Possible cause	Solution
The system is not detected on the Bluetooth device.	Pairing mode not activated	On the Home screen, press **All menus** ▶ **Settings** ▶ **Device connection** ▶ **Bluetooth** ▶ **Bluetooth connections** ▶ **Add new** to switch the system to the pairing mode. Then, try searching for the system again on the device.
The Bluetooth device is not connected to the system.	Bluetooth deactivated	Activate Bluetooth on the device.
	Bluetooth error	• Deactivate Bluetooth and reactivate it on the device. Then, reconnect the device. • Turn the device off and on. Then, reconnect it. • Remove the battery from the device and reinstall it. Then, turn the device on and reconnect it. • Unregister the Bluetooth pairing on both the system and the device and then re-register and connect them.

Phone projection

Symptom	Possible cause	Solution
Phone projection does not start when a smartphone is connected via a USB cable.	Phone projection not supported by the phone	Visit the following websites and ensure that the smartphone supports the corresponding function. • Android Auto: https://support.google.com/androidauto • Apple CarPlay: https://www.apple.com/ios/carplay
	Phone projection disabled	• On the Home screen, press **All menus** ▶ **Settings** ▶ **Device connection**, select a function you want to use, and activate it. • Check if the function is disabled in the application settings or restriction settings on the smartphone.
	Smartphone not ready or malfunctioning	• Check if the smartphone's battery is low. If the battery is low, the smartphone may not be recognised. • If the network signal is weak, phone projection may not work correctly. • If the smartphone is locked, unlock it. • Reset the smartphone and reconnect it.
When phone projection starts or is in use, a black screen is displayed.	Smartphone malfunctioning	• Disconnect the USB cable from the smartphone and reconnect the cable. • Reset the smartphone and reconnect it.

System operation

Symptom	Possible cause	Solution
The previously used media mode is not activated after the system turns off and back on.	Poor connection or playback error	If the corresponding media storage device is not connected or has a problem in playback when you turn on the system, the mode you previously used will be activated. Reconnect the media storage device or restart playback.
The system is slow or it does not respond.	Internal system error	• Press and hold the Reset button with a suitable tool, such as a pen or a paperclip. • If the problem persists, contact your place of purchase or dealer.
The system does not turn on.	Fuse shorted	• Visit a repair shop and replace with a suitable fuse. • If the problem persists, contact your place of purchase or dealer.

System status icons

Status icons appear at the top right of the screen to display the current system status.

Familiarise yourself with the status icons that appear when you perform certain actions or functions and their meanings.

Mute and voice recording

Audio	Radio and media muted
	Voice memo recording

Bluetooth

	Battery level of connected Bluetooth device
	Mobile phone connected via Bluetooth
	Audio device connected via Bluetooth
	Mobile phone and audio device connected via Bluetooth
	Bluetooth call in progress
	Microphone turned off during Bluetooth call
	Downloading call history from a mobile phone connected via Bluetooth to the system
	Downloading contacts from a mobile phone connected via Bluetooth to the system
	Signal strength of the mobile phone connected via Bluetooth

Wireless charging

(if equipped)

	Wireless charging in progress
	Wireless charging completed
	Wireless charging error

Note

- The battery level displayed on the screen may differ from the battery level displayed on the connected device.
- The signal strength displayed on the screen may differ from the signal strength displayed on the connected mobile phone.
- Depending on the vehicle model and specifications, some status icons may not be displayed.

FAQ

Bluetooth

Q What kinds of functions can I use with Bluetooth?

A You can connect your mobile phone to make or answer calls hands free. You can also connect audio devices, such as MP3 players and mobile phones, to listen to music in your vehicle. ▶ See "Making a call via Bluetooth" or "Listening to music via Bluetooth."

Q What is the difference between pairing a device and connecting a device?

A Pairing occurs through authenticating the system and a mobile device. Devices paired with the system can be connected and disconnected until they are deleted from the system. Bluetooth Handsfree features, such as making or answering calls or accessing contacts, are supported only in mobile phones connected with the system.

Q How do I pair a Bluetooth device with the system?

A On the Home screen, press **All menus ▶ Settings ▶ Device connection ▶ Bluetooth ▶ Bluetooth connections ▶ Add new**. From the Bluetooth device you want to connect, search for and pair with your system. When you enter or confirm a Bluetooth passkey displayed on the system screen, the device is registered to the system's Bluetooth devices list and connected to the system automatically. ▶ See "Connecting Bluetooth devices."

Q What is a passkey?

A A passkey is the password used to authenticate the connection between the system and the mobile device. The passkey needs to be entered only once when you pair a mobile phone for the first time.

The initial passkey is "0000." You can change it by pressing **All menus ▶ Settings ▶ Device connection ▶ Bluetooth ▶ Bluetooth system info ▶ Passkey**.

Q I changed my mobile phone that was registered to the system via Bluetooth. How can I register my new mobile phone?

A You can register additional devices to your system by following the instructions to pair a device. Up to six devices can be added to your system's Bluetooth devices list. To delete a registered device, on the Bluetooth devices list, press **Delete devices**, select the devices to delete, and press **Delete**. ▶ See "Connecting Bluetooth devices."

Q How do I answer a call?

A When a call comes in and a notification pop-up window appears, press the Call/Answer button on the steering wheel or press **Accept** on the screen.

To reject the call, press the Call end button on the steering wheel or press **Reject** on the screen.

Q What should I do if I want to switch the call to my mobile phone while on a call via the system?

A Press and hold the Call/Answer button on the steering wheel or press **Use private** on the screen to switch the call to your mobile phone.

Q How do I access the contacts in my mobile phone from the system?

A When connecting your mobile phone to your system, permit the system to access the contacts saved in the mobile phone. The contacts will be downloaded to the system. To open the downloaded contacts list, press the Call/Answer button on the steering wheel and press on the phone screen. You can search for a contact to make a call or add it to favourites. ▶ See "Making a call via Bluetooth."

Q What is the range of my wireless connection?

A A wireless connection can be used within about 10 m. The maximum Bluetooth range may be affected by the usage environment, such as the vehicle type, the system platform, or the connected mobile phone.

Q How many mobile devices can be paired?

A Up to six devices can be paired with your system.

Q Why is call quality sometimes poor?

A Check your mobile phone's reception sensitivity when call quality deteriorates. The call quality may deteriorate when the signal strength is low.

Call quality may also become poor if metal objects, such as beverage cans, are placed near the mobile phone. Check to see if any metal objects are near the mobile phone.

The call sound and quality may differ depending on the type of mobile phone.

Radio/media

Q What kinds of media and radio functions does my system have?

A Your system is enabled to play various radio services (FM, AM, RDS, etc.) and audio through various types of media (USB, etc.). For more information, see the corresponding chapters.

Q I want to move to the previous or next song without controlling the screen while driving.

A Use the Search lever/button on the steering wheel to move to the previous or next song.

Broadcast reception

Q No sound is heard or a distorted noise is heard when listening to the radio while driving.

A Depending on the location, the reception may deteriorate due to obstacles.

Attaching a window film including metal components to the rear window equipped with a glass aerial may lower radio reception.

How to self-check a system fault

Q My system does not operate normally. What should I do?

A Check your system by referring to the solutions explained in the troubleshooting sections. ▶ See "Troubleshooting."

If the system still does not operate normally after following the relevant instructions, press and hold the Reset button.

If the problem persists, contact your place of purchase or dealer.

Product specifications

Media player

USB mode

Music

Item	Specifications	
Audio file specification	MPEG-1/2 Layer3, OGG (Vorbis), FLAC, WMA (Standard/ Professional), WAV	
Bit rates/Sampling frequency	MP3	8 to 320 kbps (CBR/VBR), to 48 kHz (ID3 tag version: Ver. 1.0, Ver. 1.1, Ver. 2.2, Ver. 2.3, Ver. 2.4)
	OGG	Q1 to Q10, to 48 kHz
	FLAC	8/16/24 bit, to 48 kHz
	WMA	• Standard (0x161): to L3 Profile, to 385 kbps, to 48 kHz • Professional (0x162): to M0b, to 192 kbps, to 48 kHz
	WAV	8/16 bit, to 48 kHz
Detailed specifications	• Maximum number of directory layers: 20 • Maximum length of folder/file names: 255 byte • Supported characters for folder/file names: Alphanumeric characters, Korean standard character set 2,350 characters, Simplified Chinese 4,888 characters • Maximum number of folders: 2,000 (including ROOT) • Maximum number of files: 8,000	

Note

- You cannot play the following types of files:
  - Modified files (files whose file format has changed)
  - Variant files (for example, MP3 files encoded with WMA audio codec)
- Sound quality of music files using a bit rate in more than 192 kbps is not guaranteed.
- For files that do not use a fixed bit rate, some functions may not work or the playback time may be incorrect.
- If an error occurs when you play a file or the file is not in supported format, change the file format by using the latest encoding software.

❍ USB storage devices

Item	Specifications
Byte/Sector	64 kbyte or less
Format system	FAT16/32 (recommended), exFAT, NTFS

Note

- Operation is guaranteed only for a metal cover type USB storage device with a plug type connector.
  - USB storage devices with a plastic plug may not be recognised.
  - USB storage devices in memory card types, such as CF card or SD cards, may not be recognised.
- Any problems caused by the use of USB storage devices not listed in the following table are not covered by the warranty.

Product name	Manufacturer
XTICK	LG Electronics Inc.
BMK	BMK Technology Co., Ltd.
SKY-DRV	Sky Digital Co., Ltd.
TRANSCEND JetFlash	Transcend Information, Inc.
Sandisk Cruzer	SanDisk
Micro ZyRUS	ZyRUS
NEXTIK	Digiworks Co., Ltd.

- USB hard disk drives may not be recognised.
- When you use a large capacity USB storage device with multiple logical drives, only files stored on the first drive will be recognised.
- If an application programme is loaded on a USB storage device, the corresponding media files may not play.

Common specifications

Item	Specifications
Power supply	DC 14.4 V
Operating power	DC 9 to 16 V
Dark current	1 mA or less
Operating temperature	-20 to +70 °C (-4 to +158 °F)
Storage temperature	-40 to +85 °C (-40 to +185 °F)
Current consumption	2.5 A

Radio

Item	Specifications
Channels A1	• FM: 87.5 to 108.0 MHz (Step: 100 kHz) • AM: 531 to 1602 kHz (Step: 9 kHz)
Channels A8	• FM: 87.5 to 108.0 MHz (100 kHz) • AM: 522 to 1620 kHz (9 kHz)
Sensitivity	• FM: 10 dBuV or lower • AM: 35 dBu EMF or lower
Distortion factor	2 % or less

Bluetooth

Item	Specifications
Frequency range	2402 to 2480 MHz
Supported Bluetooth specification	4.1
Supported profile	HFP (1.7), A2DP (1.3), AVRCP (1.6), PBAP (1.2)
Aerial power	4 dBm (Bluetooth Power Class 2)
Number of channels	79
Bluetooth patch RAM software version	1

Wi-Fi

Item	Specifications
Frequency range	2412 ㎒–2462 ㎒ (802.11b, g, n) 5180 ㎒ ~ 5240 ㎒, 5260 ㎒ ~ 5320 ㎒, 5500 ㎒ ~ 5720 ㎒, 5745 ㎒ ~ 5825 ㎒ (802.11a, n, ac)
Specification	IEEE802.11a/b/g/n/ac
Supported Bandwidth	20 MHz, 40 MHz, 80 MHz
Antenna power output	12 dBm (max.)

GNSS

Item	Specifications
Frequency range	1559-1610 MHz
Specification	GLONASS (G1), GPS (L1)

MODEM (USA / select model)

Item	Specifications	
CDMA	Signal reception	Frequency: 869MHz – 894MHz (BC0), 1930MHz – 1990MHz (BC1) Sensitivity: ≤-104dBm (BER = Under 0.5%)
	Signal transmission	Frequency: 824MHz – 849MHz (BC0), 1850MHz – 1910MHz (BC1) Maximum RF Output: 25.7 dBm (BC0-Power class3, BC1-Power class2)
LTE	Signal reception	Frequency: B2 (1930 MHz – 1990 MHz), B4 (2110 MHz – 2155 MHz), B5 (869 MHz –894 MHz), B13 (746 MHz – 756 MHz) Sensitivity: B2 (≤-94.3dBm @QPSK, BW:10 MHz), B4 (≤-96.3dBm @QPSK, BW:10 MHz), B5 (≤-94.3dBm @QPSK, BW:10 MHz), B13 (≤-93.3dBm @QPSK, BW:10 MHz)
	Signal transmission	Frequency: B2 (1850 MHz – 1910 MHz), B4 (1710 MHz – 1755 MHz), B5 (824 MHz – 849 MHz), B13 (777 MHz – 787MHz) Maximum RF Output: 25.7dBm (Power class3)

MODEM (CANADA / select model)

Item	Specifications	
WCDMA	Signal reception	Frequency: 869MHz – 894MHz (Band V), 1930MHz – 1990MHz (Band II) Sensitivity: ≤-104dBm (BER = Under 0.1%)
	Signal transmission	Frequency: 824MHz – 849MHz (Band V), 1850MHz – 1910MHz (Band II) Maximum RF Output: 25.7dBm (Power class3)
LTE	Signal reception	Frequency: B2 (1930 MHz – 1990 MHz), B4 (2110 MHz – 2155 MHz), B5 (869 MHz – 894 MHz), B7(2620 MHz – 2690 MHz) B12&B17 (729 MHz – 746 MHz) Sensitivity: B2 (≤-94.3dBm @QPSK, BW:10 MHz), B4 (≤-96.3dBm @QPSK, BW:10 MHz), B5 (≤-94.3dBm @QPSK, BW:10 MHz), B7 (≤-94.3dBm @QPSK, BW:10 MHz), B12&B17 (≤-93.3dBm @QPSK, BW:10 MHz)
	Signal transmission	Frequency: B2 (1850 MHz – 1910 MHz), B4 (1710 MHz – 1755 MHz), B5 (824 MHz – 849 MHz), B7 (2500 MHz – 2570 MHz), B12&B17(699 MHz – 716 MHz) Maximum RF Output: 25.7dBm (Power class3)

* Antenna gain of this device does not exceed the gain of the modem module.

FCC Notices

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum 20 cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

ISED Notices

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-exempt RSS(s). Operation is subject to the following two conditions:
1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum 20 cm between the radiator and your body.
This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter unless authorized to do so by the ISED.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :
1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Cet appareil est conforme aux limites d'exposition aux rayonnements de l'ISDE pour un environnement non contrôlé.
L'antenne doit être installée de façon à garder une distance minimale de 20 centimètres entre la source de rayonnements et votre corps.
L'émetteur ne doit pas être colocalisé ni fonctionner conjointement avec à autre antenne ou autre émetteur, à moins d'y être autorise par l'ISDE.

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