

Making a call via Bluetooth

You can connect a Bluetooth device with the hands-free function to use a Bluetooth phone. The Bluetooth connection allows you to view call details directly from the system screen, and to make calls safely and easily use your vehicle microphone and speaker.




Warning

- Park the vehicle at a safe place before connecting a Bluetooth device to the system. It may take the driver attention off the road and cause a traffic accident which can result in damages, injuries, and/or death.
- While driving, do not make a call by dialing a phone number or do not pick up your phone to talk. Distraction by the use of a mobile phone may cause you not to recognize traffic flow around and not to cope with unexpected situations. As a result, a traffic accident may occur. If necessary, use the Bluetooth hand-free function and make the call as short as possible.


Dialing from the recent call list

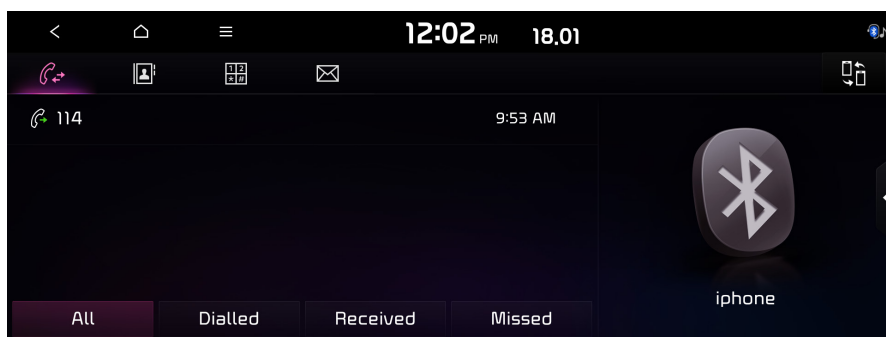
Make calls directly from call history of your mobile device.








When you connect your mobile device and system over Bluetooth, the list of recent calls from the device will be downloaded to the system and you can call them again by selecting them from the system screen. Your vehicle has a built-in microphone and speaker that make using mobile phones safe and easy.

1. Perform any of the following methods.
 - On the All Menus screen, press **Phone**.
 - On the steering wheel, press the Call button.
2. On the Bluetooth Call screen, press .
3. Choose a name from the list.

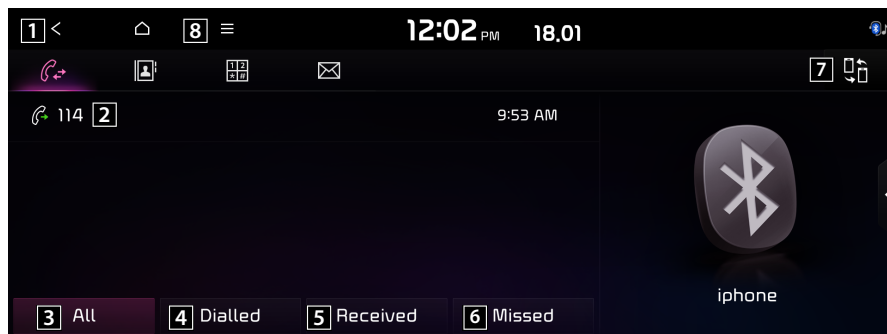
The system dials the selected number.

 You can also move to a desired number by using the Move lever/button on the steering wheel without pressing on the screen.



-  The download may not work in some phone models.
-  You can download up to 50 call records for each list.
-  Call durations do not appear on the system screen.
-  You cannot download call records when the download is prohibited by the phone. Some phone
-  models may require approval for a download. When a successful download is not made, check the phone screen or its settings.
-  When call records are newly downloaded, the previous records are removed.
-  Learn more about receiving calls while using a Bluetooth connection. > See "Accepting an incoming call over Bluetooth."

Recent calls list screen




- 1** Returns to the previous step.
- 2** View a list of recent calls downloaded to the system from the device.
- 3** View all recent calls.
- 4** View only dialed calls in the list.
- 5** View only received calls in the list.
- 6** View only missed calls in the list.
- 7** Find and connect other Bluetooth devices.
- 8** The list of menu items appears.
 - Download: Download the list of recent calls from the connected mobile device.
 - Privacy mode: Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
 - Change device: Find and connect other Bluetooth devices.
 - Split screen: Can turn on or off the split screen mode.

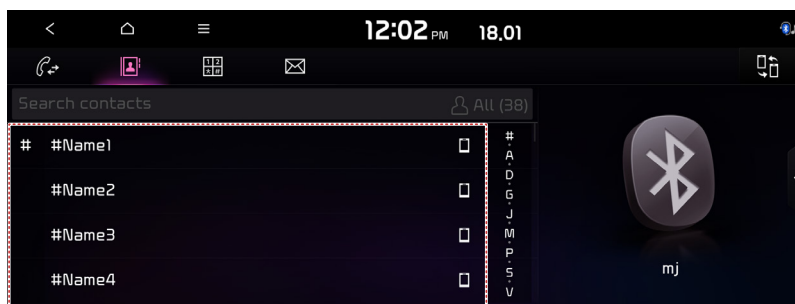
 The displayed name may differ depending on the vehicle model and specifications.









Dialing from the contacts




You can use contacts from the connected mobile device on the system.

When you connect your mobile device with the system via Bluetooth, contacts from the device are downloaded to the system, and you can choose to call them from the system screen. The system has a built-in microphone and speaker that make using mobile phones safe and easy.

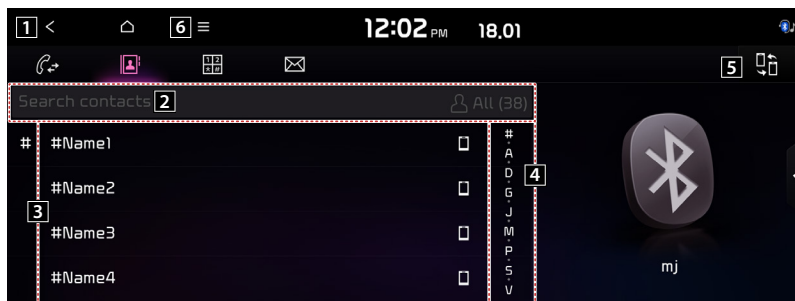
1. Perform any of the following methods.
 - On the All Menus screen, press **Phone**.
 - On the steering wheel, press the Call button.
2. On the Bluetooth Call screen, press .
3. Select a contact from the list.
The system dials the selected contact.




-  You can download only the contacts that can be displayed on the connected Bluetooth device. The contacts may not appear in some Apps.
-  You can download up to 5,000 contacts for each device.
-  The download may not work in some phone models.
-  Contacts from both the mobile device and its SIM card are downloaded at the same time. The system may not be able to download SIM card contacts from all phone models.
-  When speed dial numbers are set to contacts on the phone, press and hold a speed dial number on the dial pad to make a call easily. Some mobile phone models may not support the speed dial function.
-  You cannot download contacts when the download is prohibited by the phone. Some phone models may require approval for a download. When a successful download is not made, check the phone screen or its settings.
-  Depending on the phone model or operation status, downloading may take longer than usual.
-  When a new contacts list is downloaded, the previous records are removed.

-  The downloaded contacts cannot be edited or deleted from the system.
-  When another mobile phone is connected, the screen does not display the contacts downloaded from the previous phone, but they are kept in the system until the phone is deleted from the list.
-  Learn more about receiving calls while using a Bluetooth connection. > See "Accepting an incoming call over Bluetooth."

Contacts list screen



- 1** Returns to the previous step.
 - 2** Enter a contact's name or phone number to search the list.
 - 3** View a list of contacts downloaded to the system from the device.
 - 4** Use the index to quickly find the contact you are looking for.
 - 5** Find and connect other Bluetooth devices.
 - 6** The list of menu items appears.
 - Download: Download the list of contacts from the connected mobile device.
 - Search: Search contacts by entering a name or a phone number.
 - Privacy mode: Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
 - Change device: Find and connect other Bluetooth devices.
 - Split screen: Can turn on or off the split screen mode.
-  The displayed name may differ depending on the vehicle model and specifications.



Dialing using the dial pad

Enter a phone number using the dial pad to make a call.


When you connect your mobile device with the system via Bluetooth, you can enter and dial a phone number from the system screen. without interacting with the device. Your vehicle has a built-in microphone and speaker that make using mobile phones safe and easy.

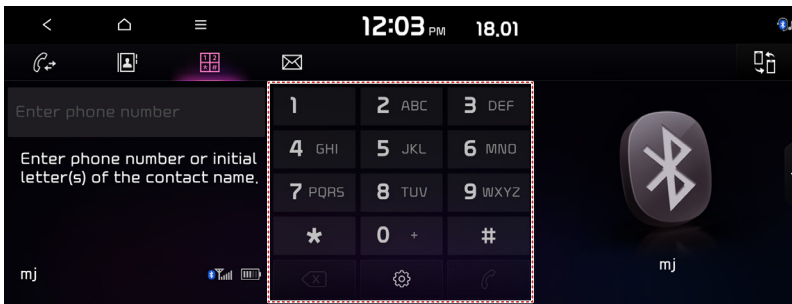
Warning


Do not manually dial a call while driving. Distraction by the use of a mobile phone may cause you not to recognize traffic flow around and not to with unexpected situations. As a result, a traffic accident may occur.

1. Perform any of the following methods.
 - On the All Menus screen, press **Phone**.
 - On the steering wheel, press the Call button.
2. On the Bluetooth Call screen, press .
3. After entering a phone number, press .

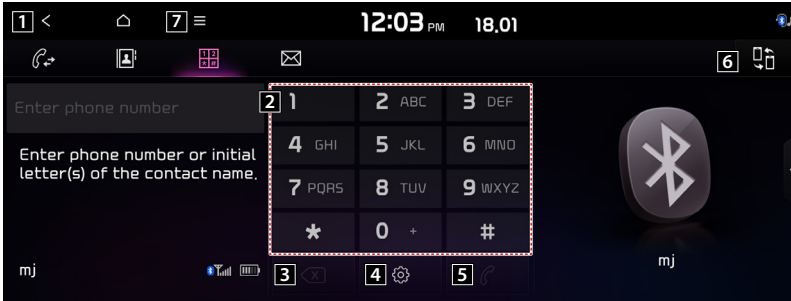
A call is connected to the entered phone number.



 When contacts are on the system, search for the desired contact by entering the initial letters or number on the dial pad.



 Learn more about receiving calls while using Bluetooth connection. See "Accepting an incoming call over Bluetooth."

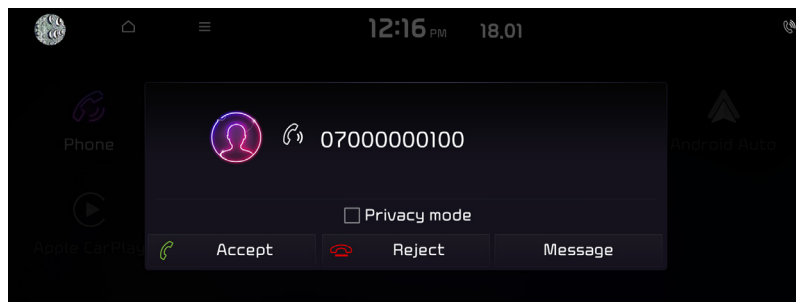
Dial pad screen



- 1** Returns to the previous step.
 - 2** Use the dial pad to enter phone numbers.
 - 3** Delete an entered number.
 - 4** Can configure the Bluetooth connection settings.
 - 5** Press to dial the number you entered.
 -  If you have recent calls stored on your system, you can use the following feature before entering a phone number.
 - Pressing the button will display the most recently dialed numbers in the filed.
 - Press and hold this button to automatically call the most recently dialed number.
 - 6** Find and connect other Bluetooth devices.
 - 7** The list of menu items appears.
 - Privacy mode: Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
 - Change device: Find and connect other Bluetooth devices.
 - Device connections settings: Can change the Bluetooth settings.
 - Split screen: Can turn on or off the split screen mode.
-  The displayed name may differ depending on the vehicle model and specifications.

Accepting an incoming call over Bluetooth

The system screen alerts you when you receive a call while connected using Bluetooth.




Perform any of the following methods.

- Press **Accept** on the screen.
- On the steering wheel, press the Call button.

Warning


- Park the vehicle at a safe place before connecting a Bluetooth device to the system. It may take the driver attention off the road and cause a traffic accident which can result in damages, injuries, and/or death.
- Do not talk on your mobile device while driving. Distraction by the use of a mobile phone may cause you not to recognize traffic flow around and not to cope with unexpected situations. As a result, a traffic accident may occur. If necessary, use the Bluetooth hands-free function and make the calls as short as possible.

 If your mobile phone is connected to the system and you make a call while stepping out of the vehicle, the call may be heard through the vehicle's speakers. To disconnect the call, disable the Bluetooth connection on the system or turn off the Bluetooth function on the mobile phone.

Rejecting a call

Perform any of the following methods.

- Press **Reject** on the screen.
- On the steering wheel, press the End Call button (if equipped).
- On the steering wheel, press the and hold the Call button (if equipped).

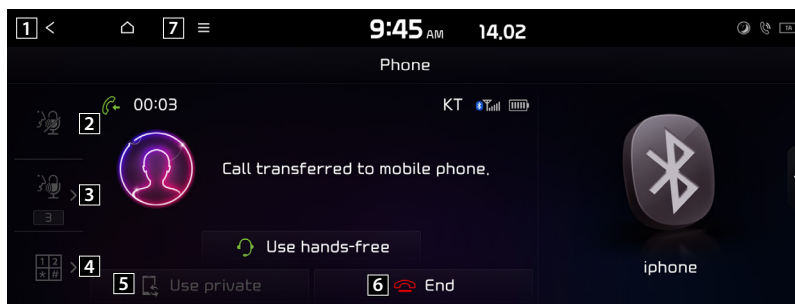
 To reject by sending a call-reject message, press **Message**. From the list, select the call-reject message and press **Send**.






 The call-reject or auto-reply message may not be supported in some phone models.

Using functions during a call

During a call, the following screen appears.

Press to use the available options.



- 1** Returns to the previous step.
 - 2** Used to turn on or off the microphone mute function.
 - 3** Can adjust the microphone volume.
 - 4** Displays or hides the dial pad screen.
 - 5** Used to switch the call to the mobile phone. This option may not be available in some phone models.
 - 6** Used to end a call.
 - 7** The list of menu items appears.
 - Privacy mode: Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
 - Split screen: Can turn on or off the split screen mode.
-  If you set the microphone volume too high, the other party may have a difficulty understanding you due to noise or echoing, depending on their mobile phone and surrounding. Setting the volume to 30 or lower is recommended.
-  When the caller is in the contact list, the caller's name and phone number of the caller are displayed. Otherwise, only the phone number appears.
-  During a call with a Bluetooth connection, you cannot switch to another screen such as Radio/Media mode.
-  Depending on the phone model, the call volume of the other party may differ.
-  Depending on the phone model, the smartphone number may not appear.

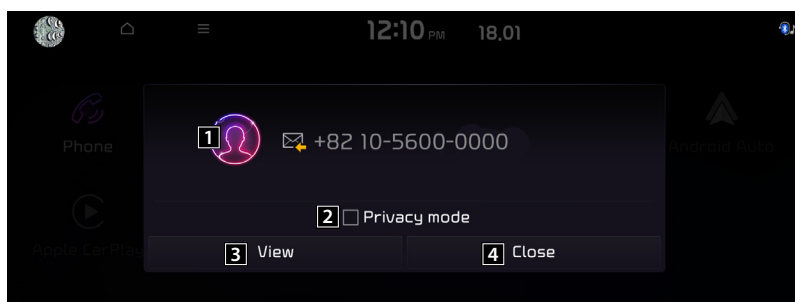
Checking new messages over Bluetooth



After connecting a mobile phone via Bluetooth, you can check the received messages through the system screen and listen to voice messages converted from the next messages. This option is available when a mobile phone is connected via Bluetooth. You can also send the brief reply message registered in the system.

Checking new messages

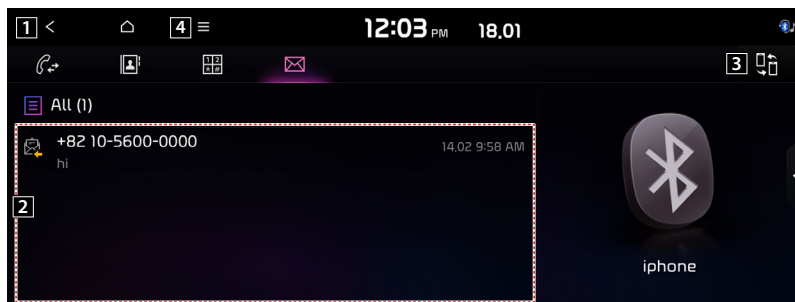
When a message is received, the new message notification window appears.

To check the message, press **View**.



- 1** View caller details.
 - 2** Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
 - 3** Can see the message details.
 - 4** Used to close the notification window.
-  The message notification window does not appear when the privacy mode is enabled or the message notification is turned off.
 -  The screen display may differ depending on the mobile phone model.


Bluetooth message screen

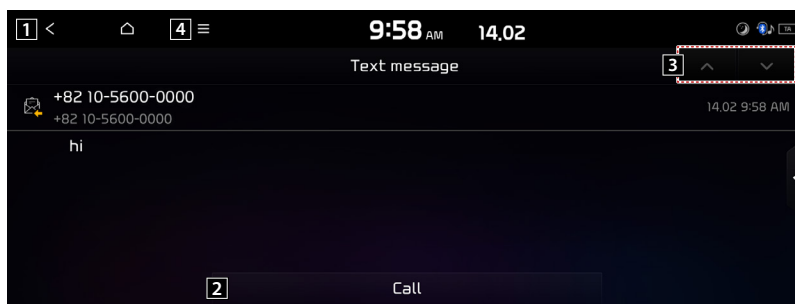





- 1** Returns to the previous step.
- 2** View the list of received messages.
- 3** Find and connect other Bluetooth devices.
- 4** The list of menu items appears.
 - Privacy mode: Activate privacy mode to protect personal data. The data downloaded from the mobile phone stays hidden while this mode is on.
 - Change device: Find and connect other Bluetooth devices.
 - Device connections settings: Can change the Bluetooth settings.
 - Split screen: Can turn on or off the split screen mode.


 The displayed name may differ depending on the vehicle model and specifications.

Checking new messages from the list

1. Perform any of the following methods.
 - On the All Menus screen, press **Phone**.
 - On the steering wheel, press the Call button.
2. On the Bluetooth Call screen, press .
3. Select a message from the list.
4. Check the message.



- 1** Returns to the previous step.
 - 2** Reads out the message through the speakers in the vehicle.
 - Replay: Used to select a message registered in the system for sending a brief reply message.
 - Call: Used to make a call to a message sender.
 - Split screen: Can turn on or off the split screen mode.
 - 3** Used to move to the previous or next message.
 - 4** The list of menu items appears.
 - Split screen: Can turn on or off the split screen mode.
-  The auto-reply messaging may not be available depending on the smartphone model.
-  To edit or delete a message, park the vehicle at a safe place and access the messaging function on your smartphone. You cannot edit or delete a message from the system.
-  When an iPhone is connected to the system, there are some restrictions when receiving messages as follows.
- Only the sender name appears when the sender information is saved.
 - When the sender information is not saved, only the phone number appears.
 - You cannot use the auto-reply message function.
 - When the incoming message notification or lock-screen view option is off, messages cannot be received.

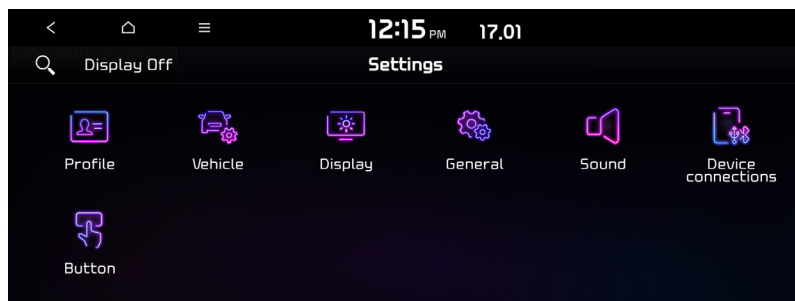
 The message reader function may not be supported depending on the system language.

Settings



Configuring system settings

Configure various functions required for using the system. View information related to the system.



- ✎ The displayed screen or menu items may differ, depending on the vehicle model and features.
- ✎ Press **☰** > **Settings Search** or press **🔍** and enter a keyword to search for a settings item.
- ✎ If you press **Display Off** at the top of the screen, the screen is switched off. To switch the screen back on, press the screen or briefly press the power button.




Configuring the device connections settings

You can manage Bluetooth devices or configure their operation settings. You can also activate the phone projection so that you can control the smartphone Apps on the system screen after connecting the smartphone to the system.

1. On the All Menus screen, Press **SETUP** > **Device connections**.

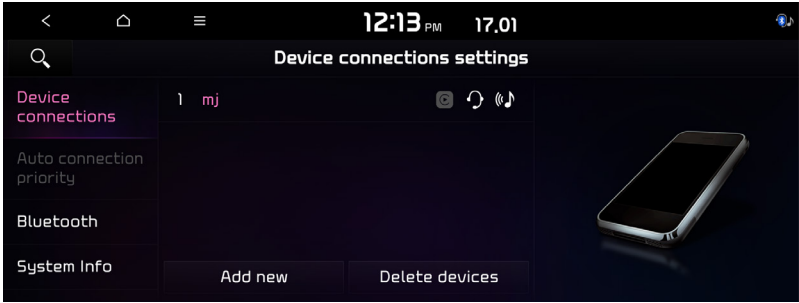
The device connection settings screen appears.

2. Configure the settings required.

 Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

Device connections

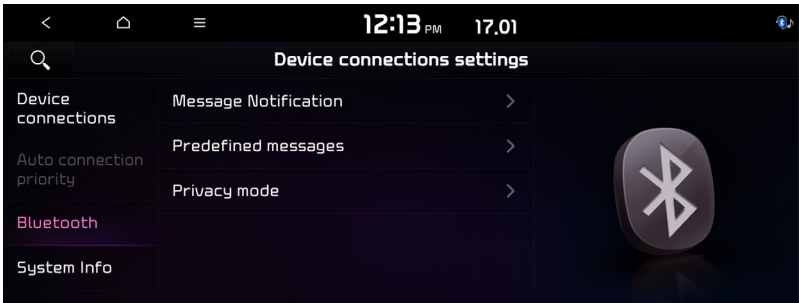
You can register or delete a Bluetooth device from the system and connect or disconnect a registered device.



 From the device connection screen, Press  > Setting Search to configure phone projection settings.

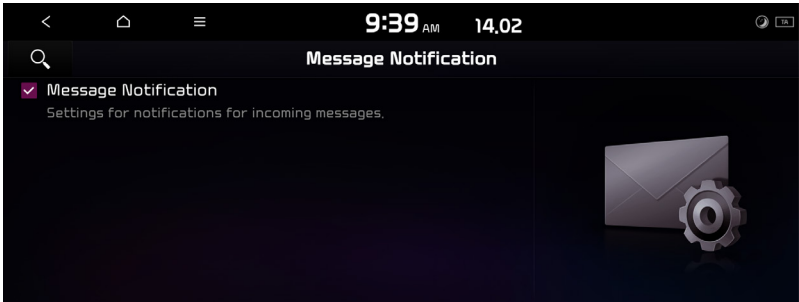
Bluetooth

You can also configure operation settings such as notifications, messages, and other settings for Bluetooth devices.



Message Notificaiton

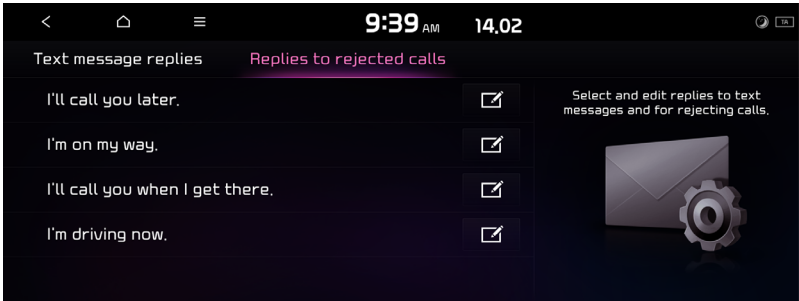
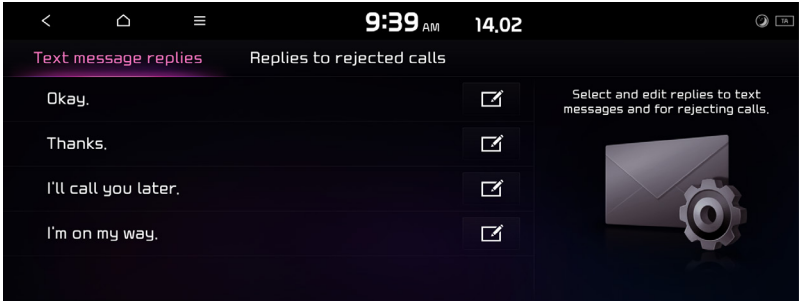
Set to receive message notifications.



 This option may not be available in some phone models.

Predefind Messages

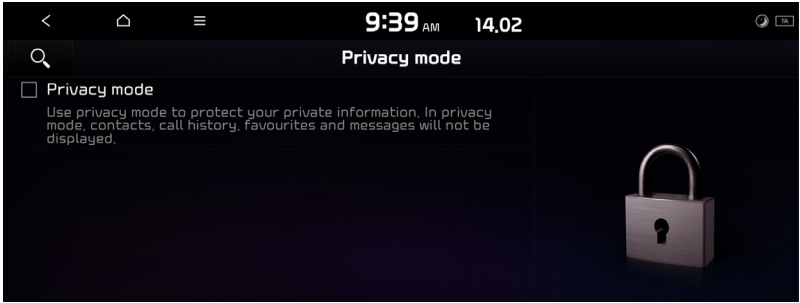
You can edit the auto-reply message that is automatically sent out after receiving a Text message replies or Replies to rejected calls.



 This option may not be available in some phone models.

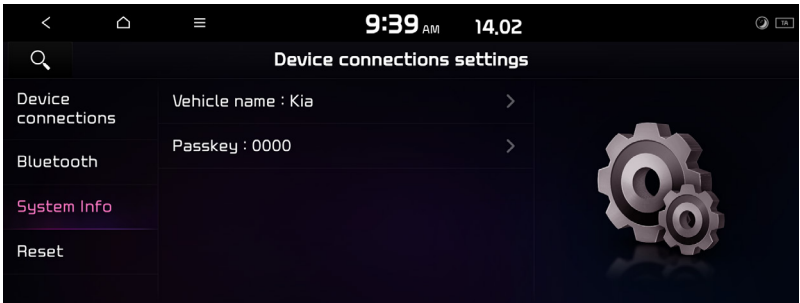
Privacy Mode


Enable or disable Privacy Mode. Hide data including contacts and call history from showing up on the system screen to protect privacy.



Bluetooth System Info

You can see and edit the Bluetooth information of the system.



 The passykey is a 4-digit authentication code used for a Bluetooth connection between the mobile phone and car system. The default passkey is set to 0000.

Reset

This menu is used to reset the Device settings to factory default.
Press **SETUP** > **Device connections** > **Reset** > **YES**.


Configuring the button settings

You can configure features to activate when pressing buttons on the control panel or steering wheel.

1. On the All Menus screen, Press **SETUP** > **Button**.

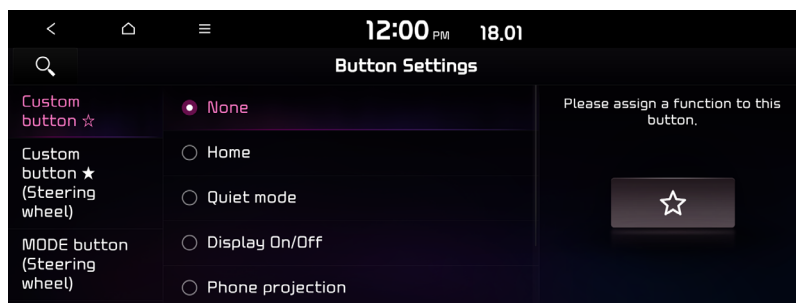
The button settings screen appears.


2. Configure the settings required.

 Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

Custom button ☆ (Navigation) (if equipped)

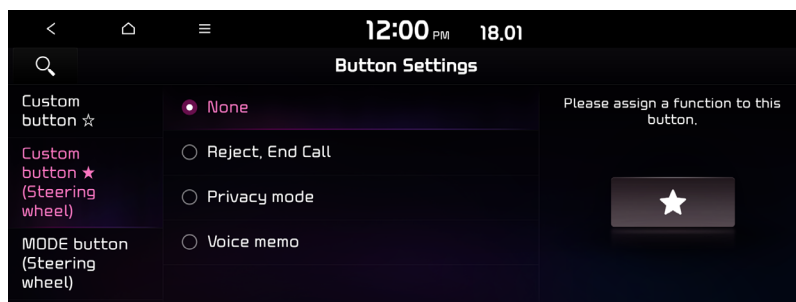
You can set the frequently used functions by pressing the custom button on the control panel. Set the frequently used functions as custom buttons to access them easily.




 The screen may differ depending on the vehicle model and specifications.

Custom button ★ (Steering Wheel) (if equipped)

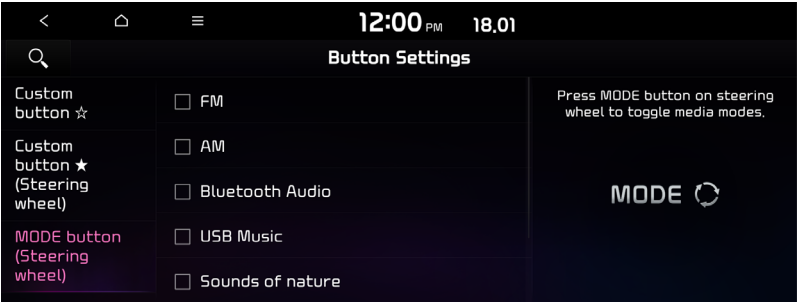
Specify the functions that can be activated by pressing the user button on the steering wheel. Set the frequently used functions as custom buttons to access them easily.




 The screen may differ depending on the vehicle model and specifications.

MODE button ☆ (Steering Wheel)



You can select the media mode to run when the [MODE] button on the steering wheel is pressed.



 The screen may differ depending on the vehicle model and specifications.

Configuring the sound settings




You can change the sound settings such as speaker volume and sound effects.

-  Available settings may differ depending on the vehicle model and specifications.
-  Some functions may not be available depending on the infotainment system and amplifier specifications on the vehicle.


1. On the All Menus screen, Press **SETUP** > **Sound**.

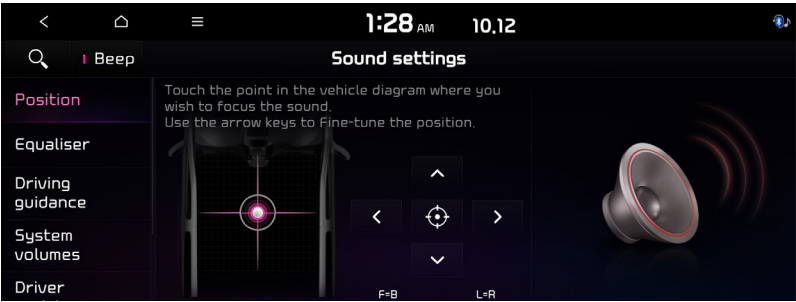
The sound settings screen appears.

2. Configure the settings required.

-  Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

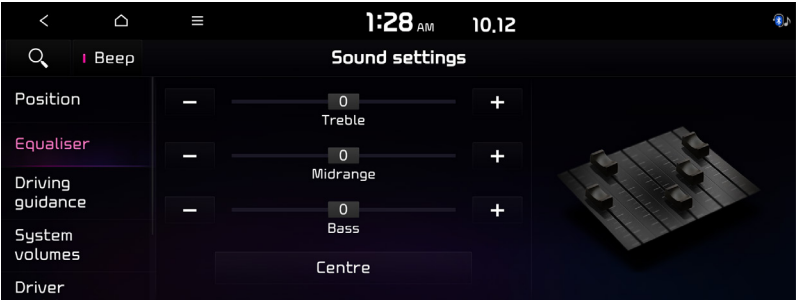
Position


You can select a position where sound is more audible in the vehicle. By pressing the desired point on the seat image or pressing the arrow buttons, you can finely abjust the position. To concentrate the sound to the center of the vehicle, press .



Equaliser

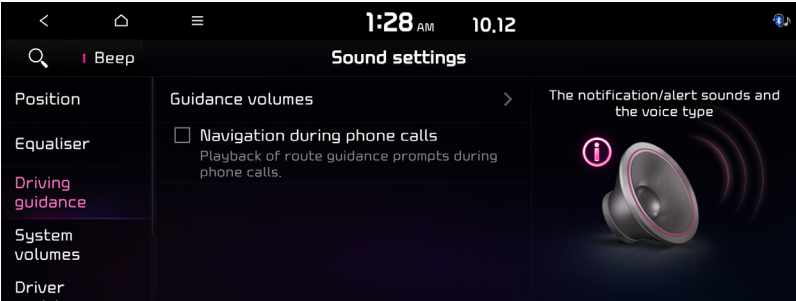
You can adjust the sound by adjusting the strengths (output levels) for each audio band: Bass, Midrange, and Treble.



 Press **[Centre]** to initialize the settings.

Driving guidance

Specify the system's guidance voice type, set a certain sound to override other sounds, and configure other guidance sound settings.



The screen may differ depending on the vehicle model and specifications.

Guidance volumes

You can adjust the volume levels for individual system features or initialize all volume settings.

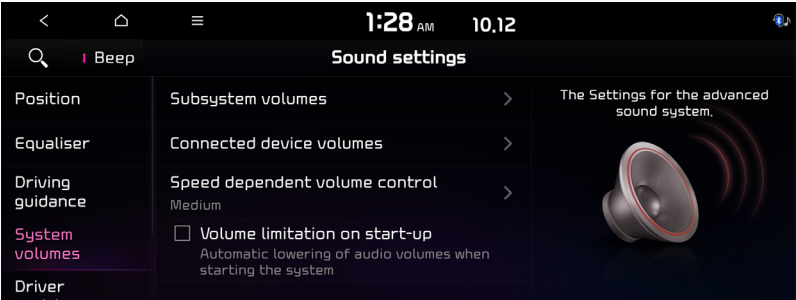
To initialize all system sound settings, press **Default**.

Navigation during phone calls

Even during a call, the navigation sound is heard.

System volumes

You can change the system sound settings and apply various sound effects.



Subsystem volumes

This menu allows you to set the volume level for connected device.

Connected device volumes (if equipped)

This menu allows you to set the volume level for [Android Auto], [Apple CarPlay].

Speed dependent volume control

You can set the speed dependent volume control among [High], [Medium], [Low] and [Off] so that it controls the volume according to the speed of the vehicle.

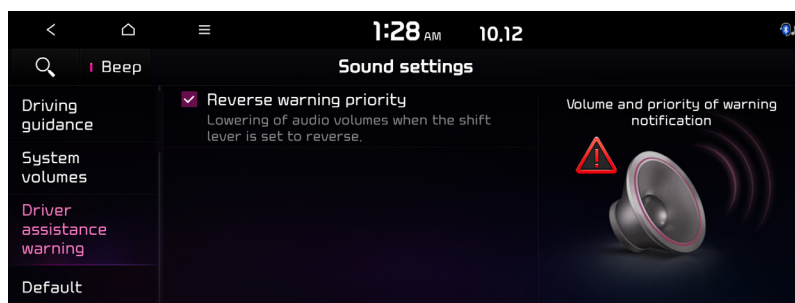
Volume limitation on start-up

Limits the volume ratio automatically when starting the system. After you turn the system on, audio volume would not be changed if previous volume was moderate

 Press [Default] to reset the volume level settings.

Driver assistance warning (if equipped)

You can set to give priority to the proximity warning feature and lower all other sounds when parking your vehicle.



Reverse warning priority

When warning sound is generated while parking, the audio volume decreases to make the sound audible.

Turning on/off the screen touch sound

To turn on or off the touch sound on the screen, press **Beep** at the top of the screen.

Default

This menu is used to reset all sound settings.

Press **SETUP** > **Sound** > **Default** > **Yes**.


Configuring the general system settings

You can configure general settings for date, time, language, and the like. You can also check information of the system.

1. On the All Menus screen, Press **SETUP** > **General**.

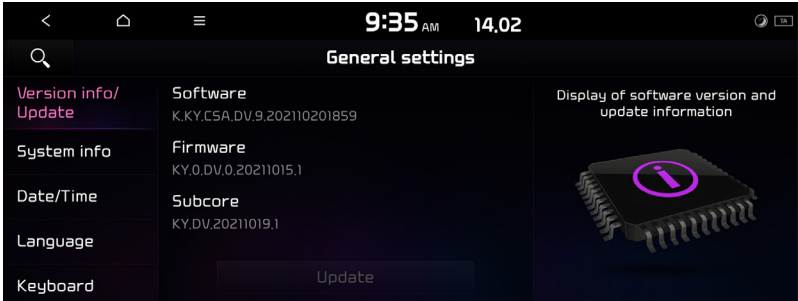
The general settings screen appears.

2. Configure the settings required.

 Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

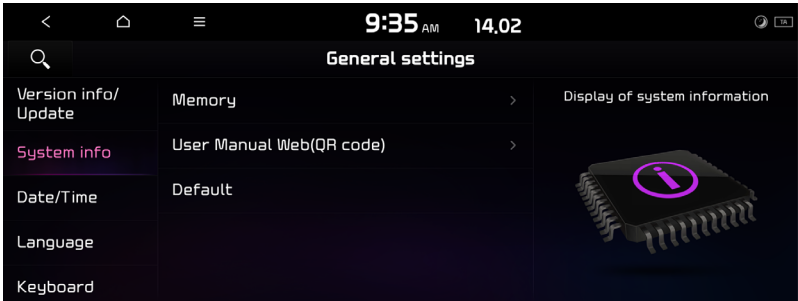
Version info/Update

You can see the versions of system components. You can also update the system to the latest version.



System info

You can check the system storage. You can also use your smartphone to access the online user's manual of the system.



Memory

You can check the memory space of the system memory where voice memos can be saved.

User Manual Web (QR code)

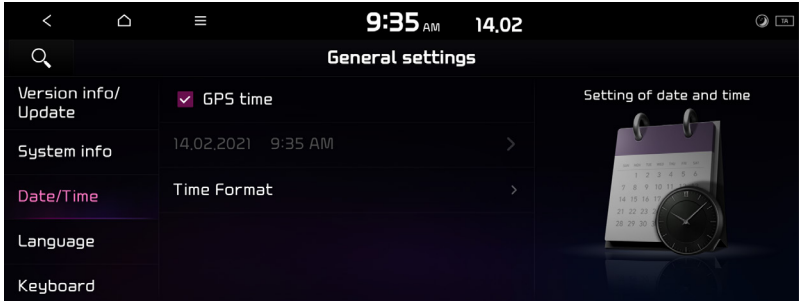
You can check the online user's manual of the system by scanning the QR code with your smartphone.

Default

This menu is used to reset all settings specified by the user.


Date/Time

You can see the system date and time automatically or manually. You can also set the time display mode.



GPS time

After receiving the time from GPS, it sets the system date and time automatically.

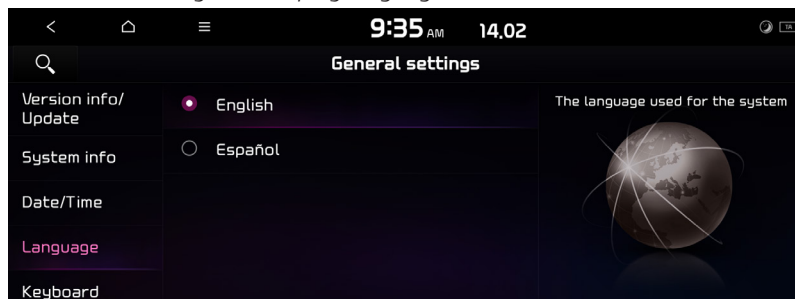
 To manually set the date and time, uncheck **GPS time**, press the current date and time below **GPS time**, and then set the date and time.

Time Format

Change the system time display format.

Language

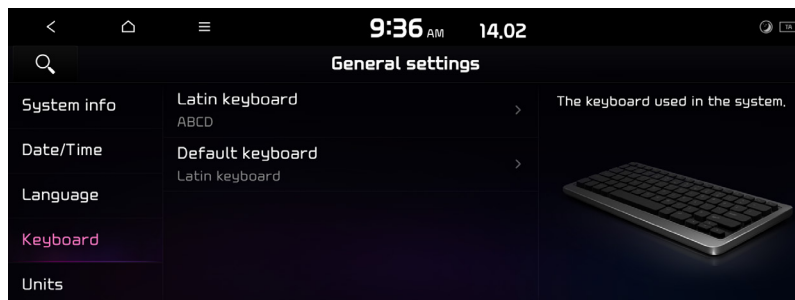
You can set the system display language.



- ✍ Once the language has been changed, it takes a while to apply the new language to the system. The notification pop-up window appears as soon as the new language is applied to the system. When you wait a while or press anywhere outside the pop-up window, the window automatically disappears.
- ✍ When you change the system language it does not affect the display of other unique data such as MP3 music file name.
- ✍ Depending on the system language, the Bluetooth phone message view and voice recognition may not be supported.

Keyboard

You can change the keyboard type for each language to use when entering the text.



Latin Keyboard Type

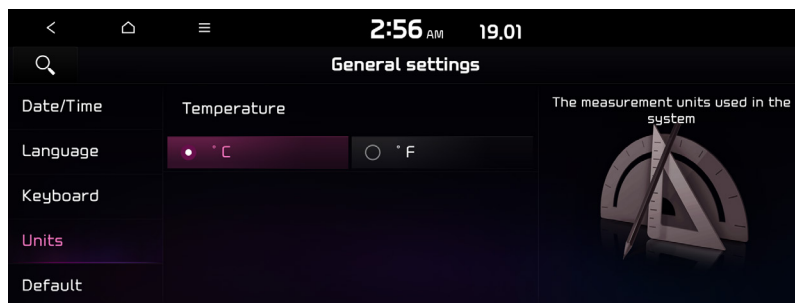
You can select the keyboard type to use when entering the English text. .

Default Keyboard

You can select the default keyboard type. .

Units (if equipped)

You can specify the units to display on the system screen.



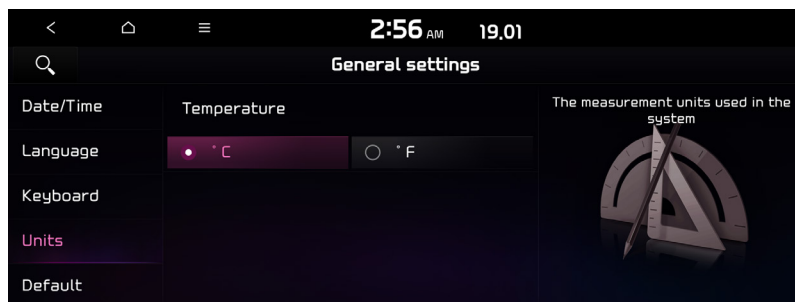
 The displayed screen or name may differ depending on the ehicle model and specifications.


Temperature

You can select the temperature unit to display on the screen.

Default

You can reset your system settings to the default values.



 You can also initialize all settings of the login profile.



Configuring the display settings


You can change the system display settings such as display brightness.

1. On the All Menus screen, Press **SETUP** > **Display**.

The Display settings screen appears.

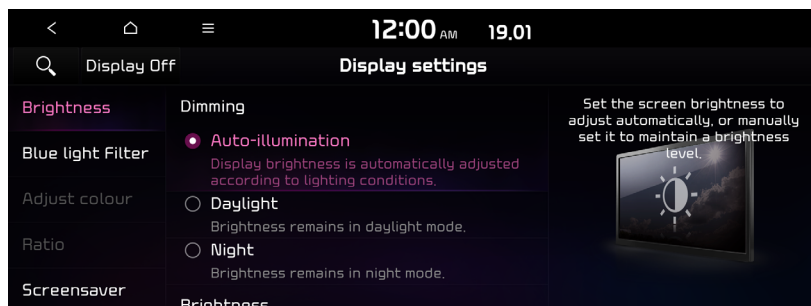
2. Configure the settings required.


 Press  > **Settings Search** or press  and enter a keyword to search for a settings item.

 If you press **Display Off** at the top of the screen, the screen is switched off. To switch the screen back on, press the screen or briefly press the power button.

Brightness

You can set the system brightness to be adjusted according to the ambient lighting condition to stay bright or dimmed. You can also set to automatically adjust the display brightness dependig on the cluster illumination.



 The screen may differ depending on the vehicle model and specifications.

Dimming

- **Auto-illumination:** The display brightness is automatically adjusted based on the surrounding environment.
- **Daylight:** The display brightness is adjusted to ensure to ensure that items are easier to see when the surronding area is bright.
- **Night:** The brightness is adjusted to prevent glare when the surronding area is dark.

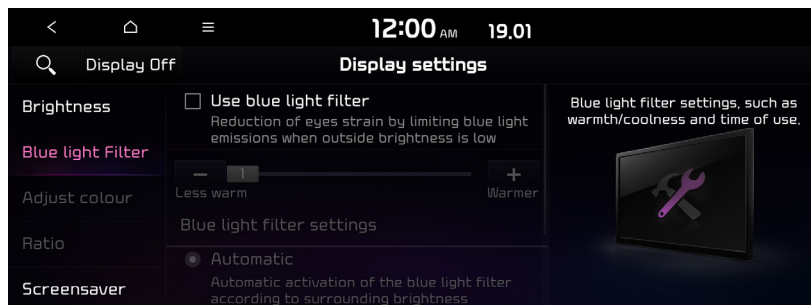
Brightness


- **Daylight:** You can set the display brightness when **Daylight** is selected under **Mode**. Uncheck **Link to Cluster Illumination Control** and then set to the desired brightness.
- **Night:** You can set the display brightness when **Night** is selected under **Mode**. Uncheck **Link to Cluster Illumination Control** and then set to the desired brightness.

 To reset all screen brightness settings to the defeault valuse, press **Default**.

Blue Light Filter

Enable blue light filtering to adjust the screen light to reduce the level of eye strain.



 The screen may differ depending on the vehicle model and specifications.

Use blue light filter

Enable or disable blue light filtering.

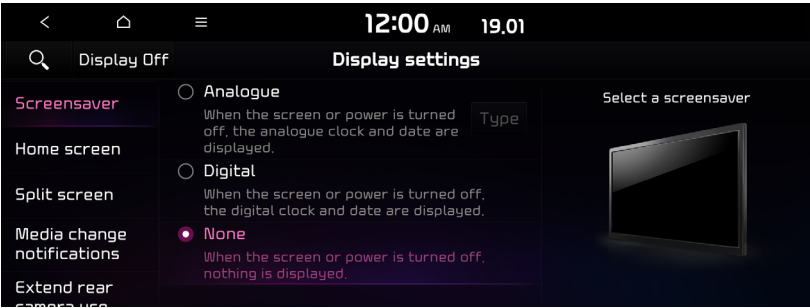
Blue light filter settings

Set to activate blue light filtering automatically based on the ambient light or pick the time range manually.

- **Automatic:** Enable blue light filtering based on the ambient light.
- **Scheduled time:** Enable blue light filtering during the set time range.

Screensaver

You can select the items to display on the screen saver in standby mode.



Analog

Displays the analog clock on the system screen saver.

Digital

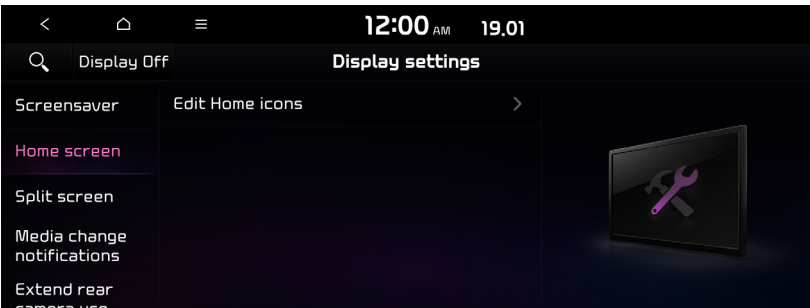
Displays the digital clock on the system screen saver.

None

Displays nothing on the system screen saver.

Home screen (if equipped)

You can rearrange the icons displayed on the All screen.

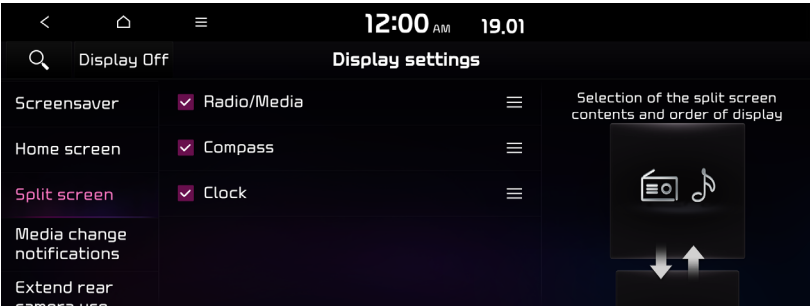


Edit Home icons

You can edit the arrangement of home icons.

Split screen (if equipped)

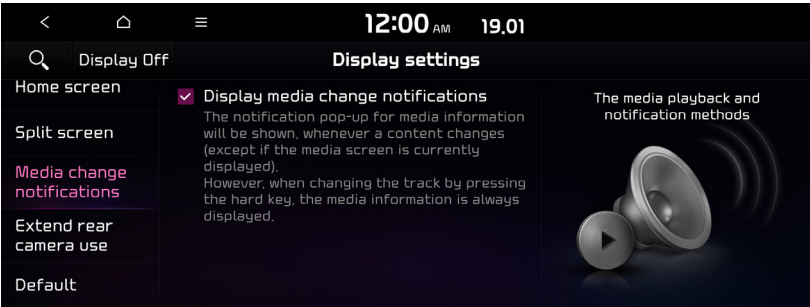
You can specify the items to display on the Split Screen.



- The screen may differ depending on the vehicle model and specifications.
- This option is only available when the display supports Split Screen.
- On the screen list, press on the right and drag the item to reposition.

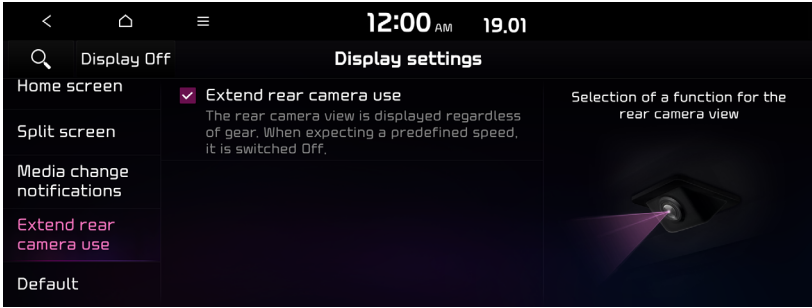
Media Change Notifications (if equipped)


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



Extend rear camera use (if equipped)

You can set to display the rear camera display even when you change the shift positon other then "R" (Reverse) after reversing.



 When you shift to "P" (Park) or drive at a predetermined speed or faster, the rear view display disappears to display the previous screen.



Default

This menu is used to reset all display settings.
Press **SETUP > Display > Default > Yes**.

Reference



Precautions for Safety

	<div>CAUTION</div> <div>RISK OF ELECTRIC SHOCK DO NOT OPEN</div>	
<p>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.</p>		



The lightning flash with the arrowhead symbol within an equilateral triangle is intended to alert the user about the presence of uninsulated dangerous voltage within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.



Always operate the vehicle in a safe manner. Do not become distracted by the vehicle while driving and always be fully aware of all driving conditions. Do not change settings or any functions. Pull over in a safe and legal manner before attempting such operations.

To promote safety, certain functions are disabled unless the parking brake is on.



To reduce the risk of electric shock, do not remove the cover or back of this product. There are no user-serviceable parts inside. Refer servicing to qualified service personnel.



To reduce the risk of fire or electric shock, do not expose this product to dripping or splashing water, rain, or moisture.



When driving your vehicle, be sure to keep the volume of the unit low enough to allow you to hear sounds coming from the outside.



Do not drop it and avoid heavy impacts at anytime.



The driver should not watch the monitor while driving. If the driver watches the monitor while driving, it may lead to carelessness and cause an accident.

WARNING:

- Don't use a mobile phone when you are driving. You must stop at a safe place to use a mobile phone.
- Do not disassemble, assemble, or modify the AVN system. Such acts could result in accidents, fire, or electric shock.
- Using phone features while driving may distract drivers from paying attention to traffic conditions and result in traffic accidents. Use phone features only after the vehicle has been parked.
- Heed caution not to spill water or introduce foreign objects into the device. Such acts could lead to smoke, fire, or product malfunction.
- Please refrain from use if the screen is blank or no sound can be heard as these signs may indicate product malfunction. Continued use in such conditions could lead to accidents (fires, electric shock) or product malfunctions.
- Do not touch the antenna during thunder or lightening as such acts may lead to lightning induced electric shock.
- Do not stop or park in parking-restricted areas to operate the product. Such acts could lead to traffic accidents.
- The video screen will not operate when the vehicle is in motion. For your safety, first park the vehicle to watch or view the screen.
- Some Non-video features may also not operate when the vehicle is in motion. These features will operate only when the vehicle has been parked.

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION:

- Do not keep the AVN system running with the engine stopped. Doing so may discharge the vehicle battery. When you use the AVN system, always keep the engine running.
- When the driver wants to operate AVN system, first park the vehicle in a safe location and set the parking brake. Operating the system while driving can distract the driver and may result in a serious accident.
- Do not disassemble or modify this system. If you do, it may result in accidents, fire, or electrical shock.
- Some states/provinces may have laws limiting the use of video screens while driving. Use the system only where it is legal to do so.
- Do not use your phone in private mode when you are driving. You must stop at a safe location to use it.

General Information

About USB

- Take precautions regarding static electricity when connecting/disconnecting external USB devices.
- Encoded MP3 Players will not be recognised when connected as an external device.
- When connecting an external USB device, the device may not properly recognise the USB in some states.
- USB devices formatted as FAT16/32, exFAT or NTFS are supported.
- Some USB devices may not be supported due to compatibility issues.
- Avoid contact between the USB connector and bodily parts/foreign objects.
- Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- The amount of time required to recognise the external USB device may differ depending on the type, size or file formats stored on the USB. Such differences in required time are not indications of malfunction.
- The device may not recognise the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the media terminal of the vehicle.
- When application programmes are installed to specific USB, files may not properly play.
- The device may not operate normally if MP3 Players, mobile phones, digital cameras or other electronic devices (USB devices not recognised as portable disk drives) are connected with the device.
- Charging through the USB may not work for some mobile devices.
- The device may not support normal operation when using a USB memory type other than Metal Cover Type USB Memory.
- The device may not support normal operation when using formats such as HDD Type, CF or SD Memory.
- The device will not support files locked by DRM (Digital Rights Management).
- USB memory sticks used by connecting an Adaptor (SD Type or CF Type) may not be properly recognised.

Music file Information

- Sampling frequency: 8 ~ 48 KHz (MP3), 22.5 ~ 48 KHz (WMA), 8 ~ 48 KHz (FLAC), 8 ~ 48 KHz (OGG), 8 ~ 48 KHz (WAV)
- Bit rate: 8 ~ 320 Kbps (MP3), 20 ~ 128 Kbps (WMA), 8 Kbps ~ 4 Mbps (FLAC), 8 ~ 500 Kbps (OGG), 8bit/16bit (WAV)
- WMA version: v2, v7, v8, v9
- PCM version: LPCM (A-law/u-law)
- MP3 version: MPEG 2/2.5 Layer 3
- Playable file format: ".mp3"/ ".wma"/ ".flac", ".ogg", ".wav"

Video file Information

- Video Resolution: 1280 x 720 pixel 30fps (MPEG-1), 704 x 576(4CIF) 25fps (H.263), 1280 x 720 30fps (H.264), 1280 x 720 pixels (other)
- Playable file format: ".avi", ".mpg", ".mpeg", ".mp4", ".mkv"
- Subtitle format: ".sml", ".srt"
- Video Codec: "MPEG-1", "MPEG-2 simple profile – main level", "MPEG-2 main profile – low,main,high level", "VC-1", "H.263 profile 0, profile 3", "Xvid", "H.264/AVC baseline profile – L1, high – L4.1"
- Audio Codec: "MP3", "WMA", "AAC"
- If video and caption file names are different, caption may not be displayed.

Supported iPhone devices

- iPhone 12, iPhone 12 Pro, iPhone 12 Pro Max, iPhone 12 mini
- iPhone 11, iPhone 11 Pro, iPhone 11 Pro Max
- iPhone XR, iPhone XS, iPhone XS Max
- iPhone X
- iPhone SE
- iPhone 8, iPhone 8 Plus
- iPhone 7, iPhone 7 Plus
- iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus

Before thinking there is a product defect

1. Errors which occur during the operation or installation of the device may be mistaken as a malfunction of the actual device.
2. If you are having problems with the device, try the suggestions listed below.
3. If the problems persist, contact your authorised Kia dealer.

Problem: There are small red, blue, or green dots on the screen.

Possible Cause: Because the LCD is manufactured with technology requiring high point density, a pixel or lighting deficiency may occur within 0.01% of total pixels.

Problem: The sound or image is not working.

Possible Cause:

- Has the Switch for the vehicle been turned to [ACC] or [ON]?
- Has the SYSTEM been turned OFF?

Problem: The screen is being displayed but sound is not working.

Possible Cause:

- Has the volume been set to a low level?
- Has the volume been muted?

Problem: When the power is turned on, the corners of the screen are dark.

Possible Cause:

- The display appearing somewhat dark after prolonged periods of use is normal with LCD panels. It is not a malfunction.
- If the screen is very dark, contact your nearest dealer for assistance.

Problem: Sound is working from only one speaker.

Possible Cause: Are the positions of Fader or Balance sound controls adjusted to only one side?

Problem: When turning power on, the most recent mode screen is not displayed.

Possible Cause:

- Within modes that play files by reading external sources, such as discs, USB, or Bluetooth® streaming mode, the most recently played mode screen prior to turning off power may not properly load.
- If there is no disc or the corresponding device is not connected, the mode operated prior to the most recent mode will operate.
- If the previous mode still cannot be properly played, the mode operated prior to that will operate.

Troubleshooting

Problem: The power does not turn on.

- Possible Cause: The fuse is disconnected.
 - Countermeasure:
 - Replace with a suitable fuse.
 - If the fuse is disconnected again, please contact your dealer.
-
- Possible Cause : Device is not properly connected.
 - Countermeasure: Check to see that the device has been properly connected.

Problem: The system does not play.

- Possible Cause: The vehicle battery is low.
- Countermeasure: Charge the battery if the problem persists, contact your point of purchase or service center.

Problem: Sound does not work.

- Possible Cause: The volume level is set to the lowest level.
 - Countermeasure: Adjust the volume level.
-
- Possible Cause: The connection is not proper.
 - Countermeasure: Check to see that the device has been properly connected.
-
- Possible Cause: The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode.
 - Countermeasure: The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode.

Problem: The image colour/tone quality is low.

- Possible Cause : The brightness, saturation, and contrast levels are not set properly.
- Countermeasure: Properly adjust the brightness, saturation, and contrast levels through Display Setup.

Problem: The USB does not work.

- Possible Cause: USB memory is damaged.
 - Countermeasure: Please use after formatting the USB into FAT16/32, exFAT or NTFS format.
-
- Possible Cause: USB memory has been contaminated.
 - Countermeasure: Remove any foreign substances on the contact surface of the USB memory and media terminal.
-
- Possible Cause: A separately purchased USB HUB is being used.
 - Countermeasure: Directly connect the USB memory with the media terminal on the vehicle.

- Possible Cause: A USB extension cable is being used.
- Countermeasure: Directly connect the USB memory with the media terminal on the vehicle.

- Possible Cause: A USB which is not a Metal Cover Type USB Memory is being used.
- Countermeasure: Use standard USB Memory.

- Possible Cause: An HDD type, CF, SD Memory is being used.
- Countermeasure: Use standard USB Memory.

- Possible Cause: There are no music files which can be played.
- Countermeasure: Only MP3, WMA, OGG, FLAC and WAV file formats are supported.
Please use only the supported music file formats.

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- A Bluetooth® Wireless Technology enabled cell phone is required to use Bluetooth® Wireless Technology.



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- Apple®, Apple CarPlay™, iPad®, iPad mini™, iPhone®, iPod®, iPod classic®, iPod nano®, iPod touch®, iTunes®, and Siri® are trademarks of Apple Inc.

Specification

AVN product specification

Common	Operating Temper	-20 °C ~ +65 °C
	Storage Temperature	-30 °C ~ +75 °C
Bluetooth	Supported Profile	HFP 1.6, A2DP 1.2, AVRCP 1.5, PBAP 1.1
	Supported Bluetooth Specification	3.0
	Frequency Range	2402 MHz ~ 2480 MHz
	Number of Channels	79
Radio	AM	
	Tuning Range	531 kHz~1602 kHz
	Sensitivity	35 dBuV
	Signal-to-noise ratio	Minimum 45 dB
	FM	
	Tuning Range	87.5 MHz~108.0 MHz
	Sensitivity	12 dBuV
	Frequency response	30 Hz ~ 10000 Hz
	Signal-to-noise ratio	Minimum 45 dB

- Designs and specifications are subject to change without prior notice.

FCC Warning

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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 collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

