



HYUNDAI

Functions and services in this manual may differ from those in the actual vehicle.

Car Multimedia System

USER'S MANUAL

Thank you for purchasing this HYUNDAI Motors Car Multimedia System.

This user's manual explains how to use the HYUNDAI Motors Car Multimedia System.

Before using the product, read the contents of this user's manual carefully and use this product safely.

- The screens shown in this manual may differ with the actual screens of the product.
- The design and specification of this product may change without prior notification for product improvement.
- When transferring the vehicle to another individual, include this user's manual so that the next driver can continue its use.

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Start



Name of Each Component

Head unit

Head unit functions may vary for each model.

POWER PUSH or PWR / Volume knob

- Press to turn the power on.
- When power is on, press and hold to turn power off.
- When power is on, press to turn Audio off.
- Turn left/right to control volume.

HOME button (AV only)

- Press to go to the home screen.

PHONE button (AV only)

- Press to go to the phone screen.

MAP button (AVN only)

- Press to display the map screen of the current location.

NAV button (AVN only)

- Press to move to the Navigation menu screen.

b (Reset hole)

- Press with a thin object to reset the unit when it does not operate normally.

☆ (Custom button)

- Press to move to the [Custom button] menu. After setting a desired function, press to use the desired function.

< SEEK/TRACK > (Λ / V) button

When it is pressed for a short time.

- Radio mode: Plays previous/next available frequency or station.
- Media mode: Plays previous/next file.

When it is pressed and held

- Radio mode: Plays previous/next available frequency or station.
- Media mode : Rewinds or fast forwards the file.

RADIO button

- Press to go to the radio screen.

MEDIA button

- Press to go to the available media.

SETUP button

- Press to go to the settings screen.

Tune/Enter knob

- In Radio mode, turn left/right to change the frequency or station.
- In Media mode, turn left/right to change file and press to select the desired file.

Steering Wheel Remote Control

Steering wheel remote control functions may vary for each model.

/ **MODE button**

- Each time this button is pressed, the Radio or Media mode is changed.
- If the media is not connected, it is changed in the order FM > AM > FM.
- When it is pressed and held, move to Advanced settings "Steering wheel MODE button".

^/V button

When it is pressed for a short time

- Radio mode: Plays previous/next Favourites.
- Media mode: Plays previous/next file.

When it is pressed and held

- AM mode: Plays previous/next available frequency or station
- Media mode: Rewinds or fast forwards the file.

(**Voice Recognition button**)

- Press to switch to voice recognition mode.
- To cancel it, press and hold the button again.

button

Press to operate Bluetooth hands-free function.

- Press to accept a call.
- Press to make a call from last calls.
- Press and hold for redialing.

 **button**

- Press to end the phone call during a call.
- Press to reject the call in the incoming call screen.
- Press to end Voice memo recording.

+ / - button

- Increases or decreases the volume level.

 **(Mute)**

- Press to mute the sound. (It will be paused in some media modes.)

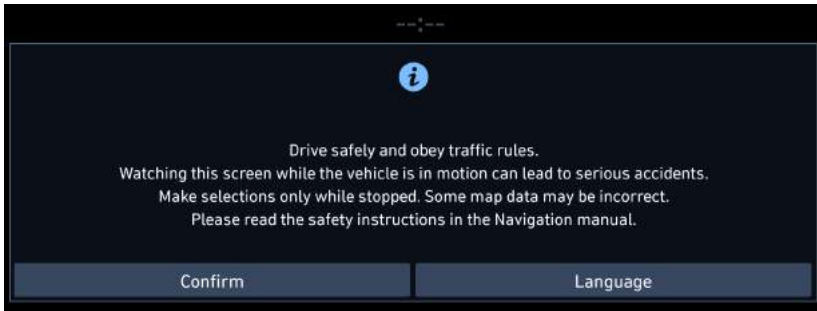
Basic operation

System ON/OFF

The image of this product may be different from the actual product.

Starting the system for the first time

1. Press the Engine Start button. Once the system is turned on, the booting process will start and the safety warning page is displayed.



2. Press [Confirm]. If you want to change the system language, press [Language].

Note

- You cannot operate the system while it is booting up. It may take some time for all of the features to be ready.
- The safety warning page is displayed every time the ignition is turned on. The displayed warnings are related to safety, please closely read and comply with the safety warnings.
- If there is no operation for 10 seconds in the safety warning screen, the system automatically switches to the last played mode.

Turning the system off

Press and hold Power button on the head unit.

To turn the system on again, press power button on the head unit.

Note

Pay attention to the volume setting when turning the system on. A sudden output of extreme volume upon turning the system on could lead to hearing impairment. Adjust the volume to a suitable levels before turning off the system or set the startup volume in sound Settings menu.

AV ON/OFF or Volume Adjustment

AV OFF

Press Power button on the head unit when the AV is ON.

AV ON

Press Power button on the head unit when the AV is OFF.

Adjusting the volume

Turn the Volume knob to control volume.

Note

When you turn the system off, the current volume level is automatically memorised.

Whenever you turn the system on, it operates at the memorised volume level if you do not set the startup volume in sound Sound settings menu.

Resetting the system

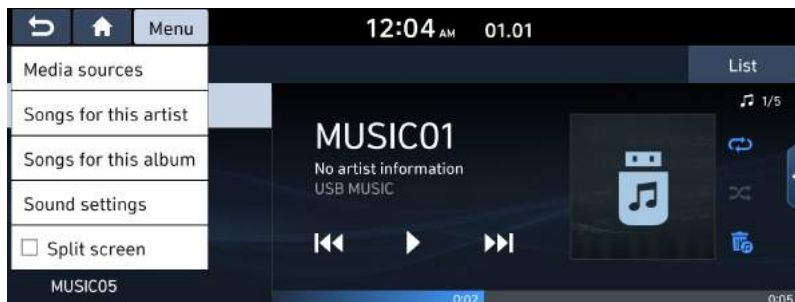
This feature is used to reset the system in the occurrence of an unforeseen error or problem. Press “RESET” hole. (The use of a clip or pin is recommended when resetting the system.)

General Operation of the Menu in available Mode

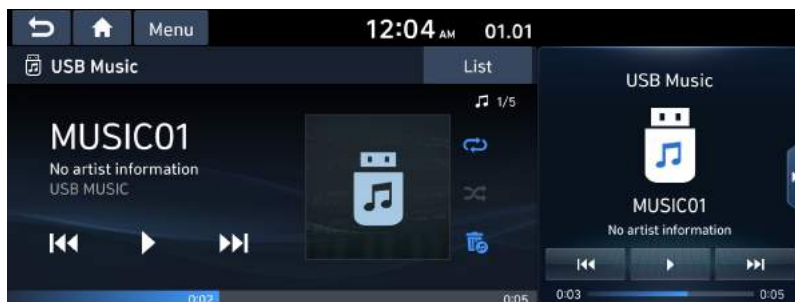
Split screen

This feature is used to set the item to be displayed on the right side of the screen by setting a checkmark on the menu drop-down.

1. Press [Menu] on the submenu screen.



2. Press [Split screen].

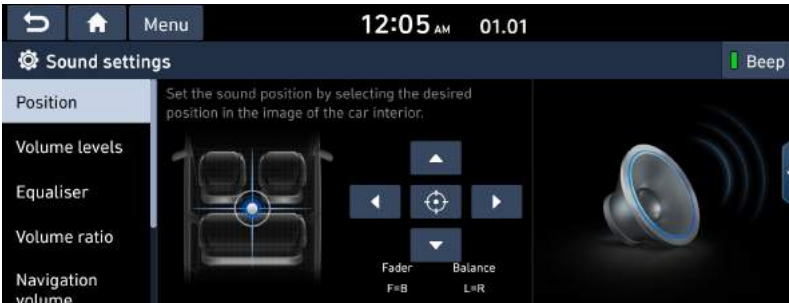


3. You can select the desired item by dragging downwards or upwards on the split screen.

Sound Settings

This menu is used to adjust the sound effects for the whole system.

1. Press [Sound Settings] on the pop-up menu of available mode.

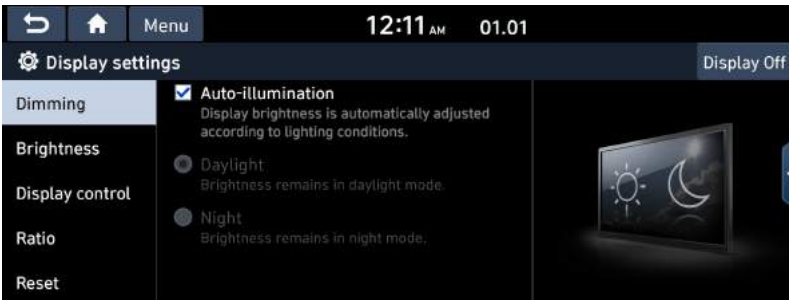


2. For more details, refer to the "[Sound Settings](#)".

Display Settings

This menu is used to control the display settings for the whole system.

1. Press [Display Settings] on the pop-up menu of available mode.



2. For more details, refer to the "[Display Settings](#)".

HOME screen

Configuration for Home screen

The detailed menu in each layout can be adjusted by user.



1 Menu

- Editing the [Edit Home widgets] or [Edit Home icons].

2 Home widget

- You can edit the desired widget on the widget menu.
- Press the area to edit home widget.

3 All menus

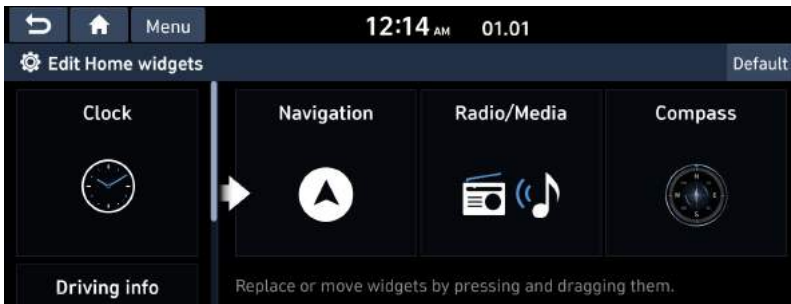
Scroll the Home screen sideways to move to all the items of the system menu.

- [Phone]: Operates bluetooth hands-free and audio function.
- [Android Auto]: Runs android auto function.
- [Favourites]: Moves to the Favourites menu.
- [Media]: Converts to the last played media mode.
- [Map]: Displays the map screen of the current position.
- [Voice memo]: Moves to the voice memo menu.

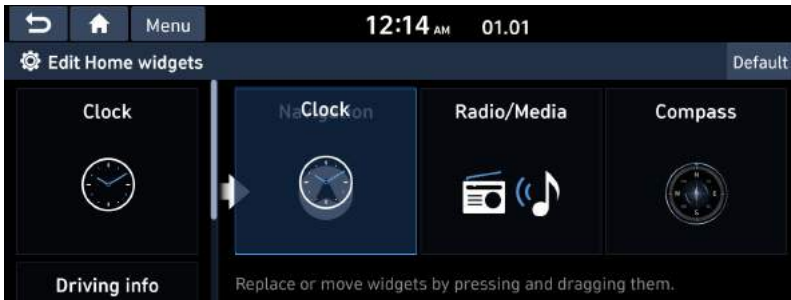
- [Apple CarPlay]: Runs Apple CarPlay function.
- [Radio]: Converts to the last played radio mode.
- [USB Video]: Converts to the last played USB video mode.
- [Navigation]: Moves to the Navigation menu.
- [Settings]: Moves to the settings menu.
- [Climate]: Displays the climate.

Editing Home widgets

1. Press [Menu] > [Edit Home widgets] on the Home screen.



2. Replace or move widgets by pressing and dragging them.




3. Press [↶] on the screen.

Note

- Press [Default] to reset all the Home widgets.
- If supported widgets are 2 or less, Edit Home Widget is not supported.

Basic operation of Home screen

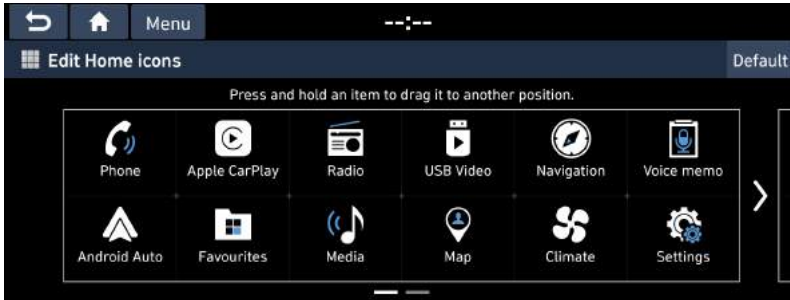
1. Press [] on the screen in any mode.



2. Select the desired menu on the Home screen.
3. Subsequent operations will be performed according to the desired menu selection.

Customizing HOME screen

1. Press and hold the desired menu icon on the All Menu screen. Or Press [Menu] > [Edit Home Icons].



2. Select the desired menu item from the list, then drag and drop it to a desired place.



3. Press [↶] on the screen.

Note

Press [Default] to reset all the All menus screen screen.

Favorites

Adding your favourite

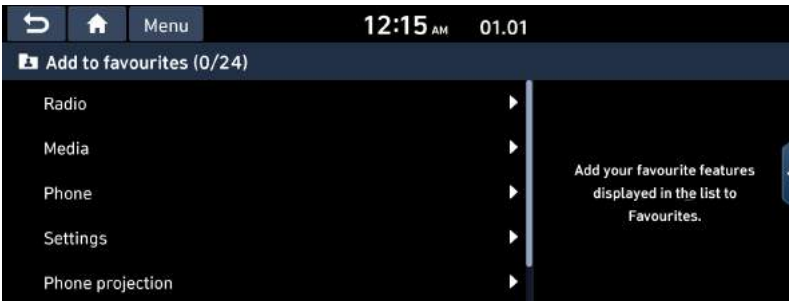
If your favorites menu items have been already saved in the Favorites menu, it can be easily accessed.

1. Press [Favourites] on the Home screen.

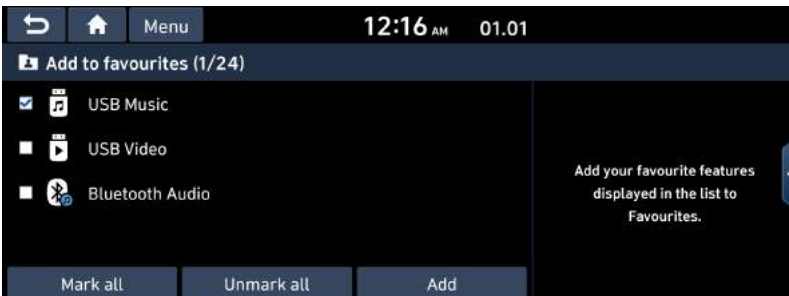


2. Press [Add to favourites].

If your favourites menu items are already added, press [Menu] > [Add].



3. Select one of the categories.



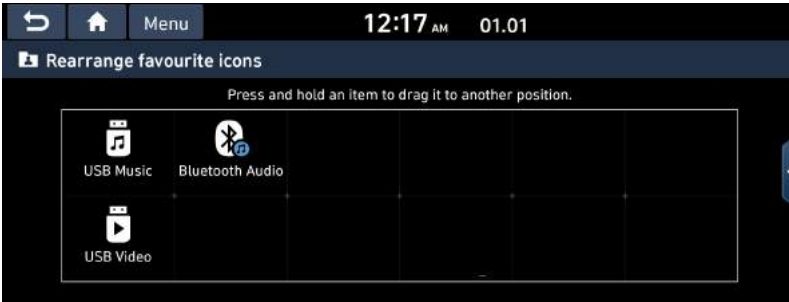
4. Press [Add] > [Yes].
 - [Mark all]: Marks all items.
 - [Unmark all]: Unmarks all items.

! Note

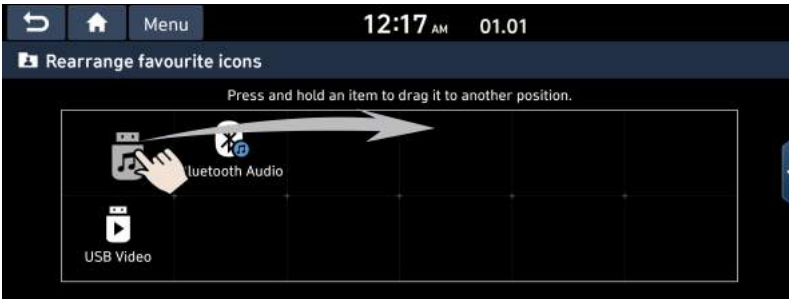
- Press [↶] to move to the previous screen.
- Up to 24 menu items can be added to Favourites.
- If you select the menu item added to Favourites, it moves to the corresponding screen.

Rearranging your favourite menu

1. Press [Favourites] on the Home screen.
2. Press [Menu] > [Rearrange].



3. Select the desired menu item from the list, then drag and drop it to a desired place.



4. Press [↶].


Deleting your favourite menu

1. Press [Favourites] on the Home screen.
2. Press [Menu] > [Delete].



3. Select the desired items, then press [Delete] > [Yes].
 - [Mark all]: Marks all items.
 - [Unmark all]: Unmarks all items.

Note

Press [] to move to the previous screen.

Navigation (If Equipped)

Getting started with navigation

Precautions for safe driving

Please observe and comply with local traffic rules and regulations.

- The route displayed for destination guidance is a reference and the route guidance will take you to the vicinity of your destination. The highlighted route is not always the shortest distance, the least congested, and in some case, might not be the fastest route.
- Road, name, POI and speed limit may not always been completely updated.
- The car position mark does not indicate your exact location. This system uses GNSS information, various sensors, and road map data to display the current position. However, errors in displaying your location may occur if the satellite is transmitting inaccurate signals or less than two satellite signals are received. Errors that occur in such conditions cannot be corrected.
- The position of the vehicle within the navigation may differ from your actual location depending on various reasons, including the satellite transmission state, vehicle state (driving location and conditions), etc. Additionally, the car position mark may differ from the actual position if the map data is different from the actual road landscape, such as changes due to the construction of new roads. If such differences occur, driving for a short period of time will automatically correct the position of the vehicle through map matching or GNSS information.

What is GNSS?

The GNSS (Global Navigation Satellite System) is a satellite-based navigation system made up of a network of 32 satellites placed into orbit by the Global Positioning System (GPS) of U.S.A, GLONASS of RUSSIA, etc.

GNSS works in any weather conditions, anywhere in the world, 24 hours a day.

There are no subscription fees or setup charges to use GNSS.

About satellite signals

Your unit must acquire satellite signals to operate. If you are indoors, near tall buildings or trees, or in a parking garage, the unit cannot acquire satellite signals.

Acquiring satellite signals

Before the unit can determine your current position and navigate a route, you must do the following steps:

1. Go outside to an area free from tall obstructions.
2. Turn on the unit. Acquiring satellite signals can take a few minutes.

Operating navigation screen

The navigation system displays various information on the map screen.

Map screen (Program interface when routing)

Press [MAP] or [NAV] > [] to access the map screen.



1 Sound

Sound menu opens by pressing this button.

2 Compass

Context menu opens by pressing this button. In this menu, switches the orientation of the map, the type of card and the skins. When driving, the compass always points to the north.

3 Information panel

A sign of the upcoming maneuver.

There are various turns, distance to the next maneuver in meters or kilometers, etc. on a gray background.

Click on the sign for more route options.

4 Speed limit and camera

In excess of the established speed, displays the speed limit on that road section.

5 Information panel

The estimated total time in a way, the total length of the route, time of arrival at the final point of the route.



6 Main menu opens by pressing this button.

7 Information panel

Shows the name of the street you are currently driving along.

8 Scale button

Zoom in/out.

9 Map view button

Changes the map view perspectives.

Press [] repeatedly to switch them.

10 Clock display

Displays the current time.

11 GPS

GPS/GLONASS connection icon. Press to check GPS information.


Map interface (Program interface when routing)

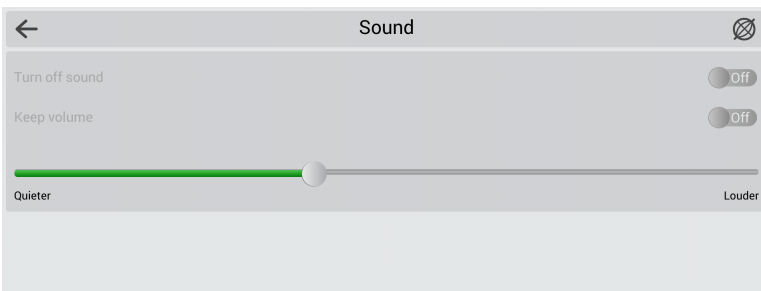
1. In the main menu, press [Find] > [History].
2. Press [] of the desired item.



- [Go!]: Marks the current position on the map as the end of the route.
- [Set start]: Mark becomes the start point on the route. You should turn off your GPS/GLONASS receiver.
- [Route through]: Mark becomes the middle point of the route.
- [Set finish]: Mark on the map becomes the end of the route. And previous end of the route becomes the middle point.

Navigation volume

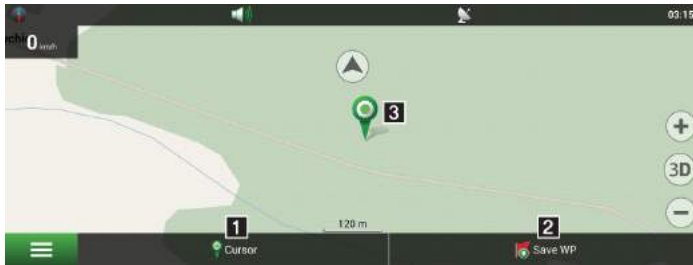
1. Press  on the map screen.
2. Press [Settings].



3. Set the guidance volume of navigation.

Scrolling the map screen

Drag and drop the map screen to the desired direction, then touch the desired point. Information on the point is displayed on the screen. It can be used as an electronic map.



1 Cursor

Shows the mark menu.


2 Save WP

Saves current Way Point.

3 Mark on the map

You can set the mark by tapping on the map. You can save this mark as a waypoint, add it to the route or see object's characteristics the mark was set on.

Main menu

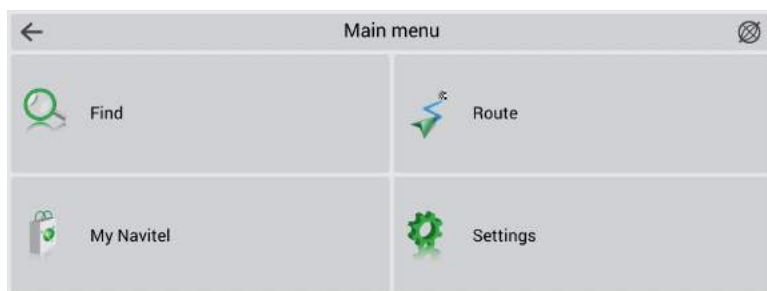
1. Press [NAV] on the head unit or press  on the map screen.







2. Press the desired option.
 - [Find]: This menu implements the search function on various representation of the objects on the map.
 - [Route]: This menu is intended for management functions of the route waypoints.
 - [My Navitel]: In this menu, all currently available Navitel maps are together as well as the program description. The menu “Navitel Navigator” is made for viewing information about the application: version, serial number, license key, copyright, etc.
 - [Settings]: This menu contains some functions and program main settings. Colour and type of some icons may depend on function status and current Skin-file.

Menu operation

All the menus in the navigation system have the following features at the top of the screen.



- : Moves to the previous screen.
- : Moves to the map screen.
- : Agrees to the desired item.
- : Edits the desired item.

Searching for destination

Find

This menu implements the search function on various representation of the objects on the map.

1. Press [NAV] > [Find].



2. Tap on one of the search methods.

By Address

You can find the destination by searching for an address.

1. Press [NAV] > [Find] > [By Address].

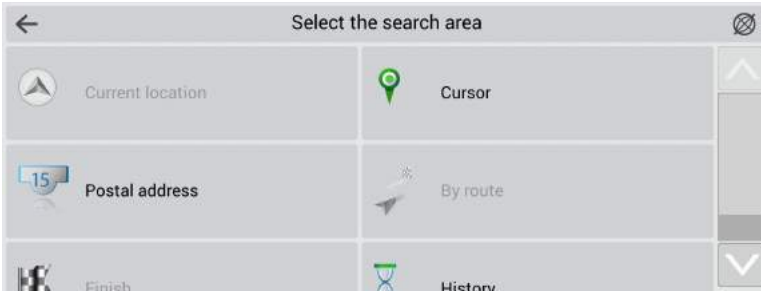


2. Select the name of the country, city/ZIP, street, building or crossing corresponding to the desired destination, then press [Result].
3. Press [GO!].
4. After selecting a desired route, press [GO!].

Nearest Places

Search nearest to the specified point objects is also performed in a several steps. In addition to object types here is also a history of the nearest objects search.

1. Press [NAV] > [Find] > [Nearest Places].



2. Tap on one of the search methods.
 - [Current location]: Searches the nearest to your current location.
 - [Cursor]: Searches the nearest to your current cursor location.
 - [Postal address]: Searches the nearest to the specified address.
 - [By route]: Searches for the points those are near to the route.
 - [Finish]: Searches for the nearest to the end of the route point objects.
 - [History]: One of the objects from the general searching history can be chosen as a reference point.

Searching for Nearest Places by [Current location], [Cursor], [By route] or [Finish]

1. Press [NAV] > [Find] > [Nearest Places] > [Current location], [Cursor], [By route] or [Finish].



2. Select one of the categories
3. Select one of the subcategories.
3. Press the preferred Nearest Places.
4. Press [GO!].
5. After selecting a desired route, press [GO!].

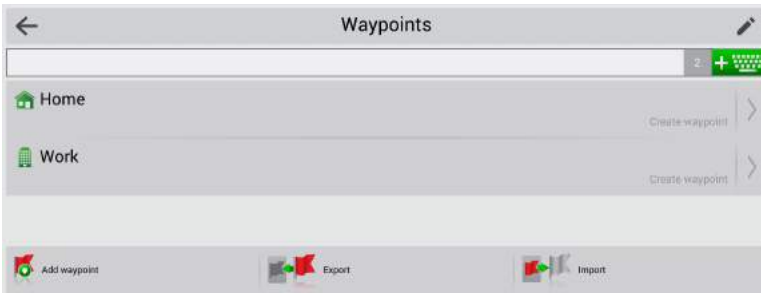
Searching for Nearest Places by [Postal address]

1. Press [NAV] > [Find] > [Nearest Places] > [Postal address].
2. Follow steps 2-4 of the "By Address".

Waypoints

Waypoints are marked on the map with a special icon and can be used for quick route planning.

1. Press [NAV] > [Find] > [Waypoints].



2. Press [Home] or [Work].
 - [Add waypoint]: This function is that the coordinates of your current position will be assigned to the waypoint created this way.
 - [Export]: This function is used to export the address book to save a file.
 - [Import]: This function is used to import the address book saved in a file.
3. Select the desired position through the destination search function.
4. Press [GO!].
5. After selecting a desired route, press [GO!].

History

All objects ever found using any types of search. In this type of search objects are sorted by date of search, later found objects are at the top. You can remove items from this list, if you are sure, that you will no longer use them.

1. Press [NAV] > [Find] > [History].



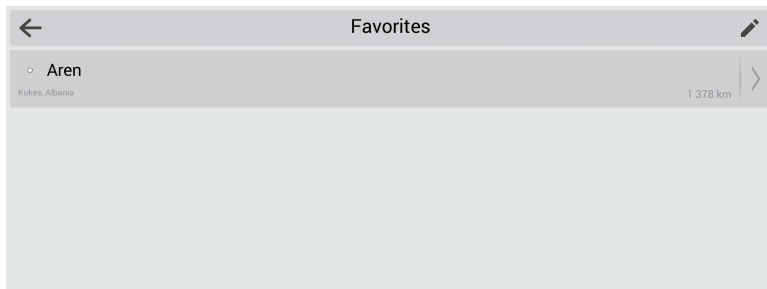
- Press [edit icon] > [delete icon] > [Delete] to delete the desired item.
2. Press the preferred item from the list.
 3. Press [GO!].
 4. After selecting a desired route, press [GO!].



Favorites

Find the most frequently used in search objects.

As opposed to search "History", objects in this search are sorted by the number of uses, and not by the date of last use.

1. Press [NAV] > [Find] > [Favorites].

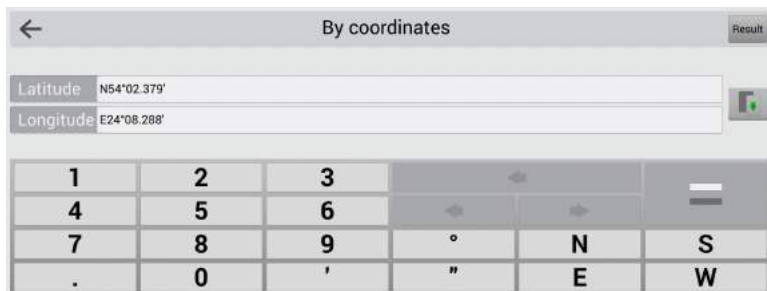


- Press [] > [] > [Delete] to delete the desired item.
2. Press the preferred item from the list.
 3. Press [GO!].
 4. After selecting a desired route, press [GO!].

By coordinates

You can find a destination by entering the coordinates of latitude and longitude.

1. Press [NAV] > [Find] > [By coordinates].



2. Enter the coordinates and press [Result].
3. Press [GO!].
4. After selecting a desired route, press [GO!].

On the map

You can find a point manually on the map.

1. Press [NAV] > [Find] > [On the map].



2. Press the desired map area.
3. Press [GO!].
4. After selecting a desired route, press [GO!].

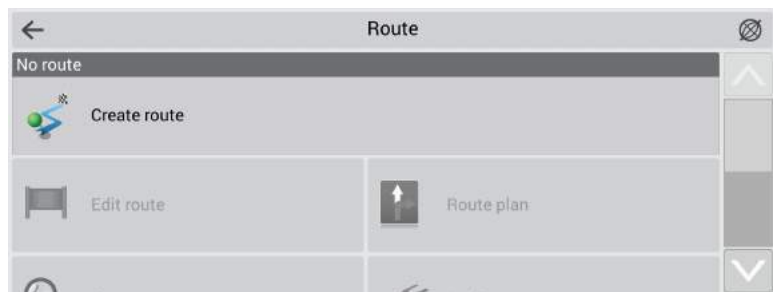
Using the route menu

Route

This section of the guide contains information on how to create or edit routes in the program and explains other possibilities of working with routes.

Create route

To plan a route from your current position up to a specific destination point, follow the steps. Press [NAV] > [Route] > [Create route].



Edit route

This function edits the selected route.

Press [NAV] > [Route] > [Edit route].

Route plan

The route screen containing the detailed information about all the maneuvers along the road opens.

Press [NAV] > [Route] > [Route plan].

Show route

This function adjusts the map scale so that the entire route is visible on the map.

Press [NAV] > [Route] > [Show route].

Avoid

The function plans a new route saving all the route through points.

Press [NAV] > [Route] > [Avoid].

Demo route

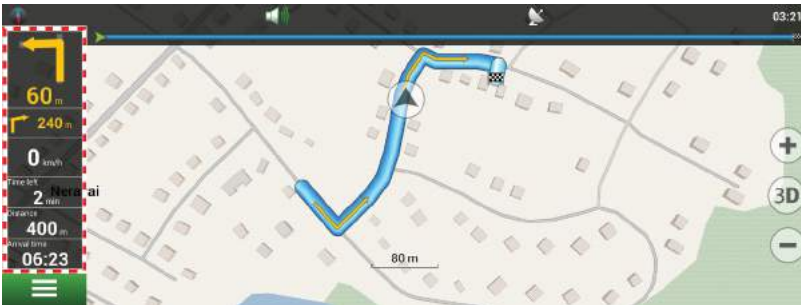
This function begins the simulation movement along the route you have planned.

Press [NAV] > [Route] > [Demo route].

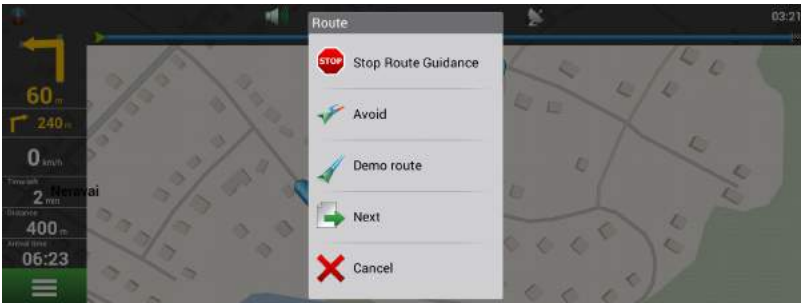
Another method for editing route

To use another method for editing route, follow the steps.

1. On the navigation screen, press the information panel.



2. In the newly opened dialog box, select the appropriate option.

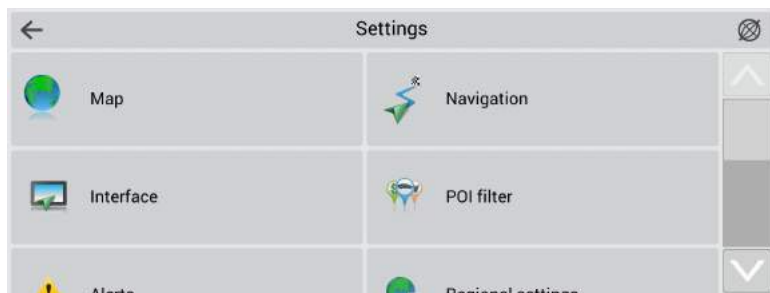


- [Stop Route Guidance]: It'll delete the route. If [Demo route] is active, you will see [Stop demo] instead.
- [Avoid]: Plans a new route saving all the route through points.
- [Demo route]: Begins the simulation movement along the route you have planned.
- [Go Next Via Point]: Deletes the next route point.
- [Show route]: Adjusts the map scale so that the entire route is visible on the map.
- [Settings]: Displays of the navigation screen.
- [Cancel]: Return to the map screen.

Setting for navigation

Settings

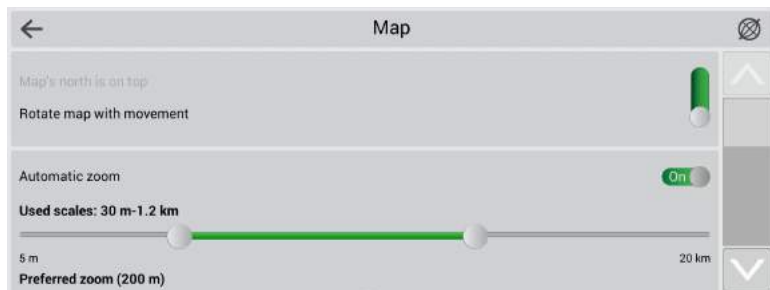
“Settings” menu contains some functions and program main settings. Color and type of some icons may depend on function status and current Skin-file. Also icon’s color on the “Map” page depends on the interface settings.



Map

This menu contains various map view settings.

Most of these settings manage the quality of objects on the map.



Top of the map

- [Map's north is on top]: The top of the map always will focus on the north
- [Rotate map with movement]: Top of the map will point on any part of the world depending on moving direction.

Automatic zoom

In this settings parameters of scale are set while driving depending on the environment and the speed.

- [Used scales]: Select the scale interval. It will be used in automatic scaling.
- [Preferred zoom]: Select the operating mode of automatic scaling: higher or lower detalization.

Visual effects

Visual effects improve the map display, but time of its rendering may increase.

Following visual effects are available: [Smooth motion], [Smooth zoom].

Draw models from

Enables setting of the minimum map scale at which the 3D models must be displayed.

Map tilt

This menu item is used to set the degree of inclination of the maps while viewing it in panoramic mode. To change the setting, move the switch to the left (minimum slope) or right (maximum slope).

Reset position

If the map is moved while navigating, this function returns you to the current location after specified amount of time. Following values are available: 5 seconds, 10 seconds, 15 seconds, 20 seconds and "Never" (Off).

Draw passed route

Displays the passed part of the route on the map in the form of a transparent line.

Show two following maneuvers

Displays 2 following maneuvers instead of only one on the upcoming maneuver sign.

Navigation

The navigation system and a route settings.



- [Route]: Choose routing method: “Route on roads” or “Route on direct line”

Avoid

Choose items you want to avoid when routing: «Toll roads», «Unpaved roads», «Ferry connections».

Guidance prompt

Set the time when system should inform you about the upcoming manoeuvre. The button can be set in the range from «More distance» (the maximum time) to «Less distance» (minimum time).

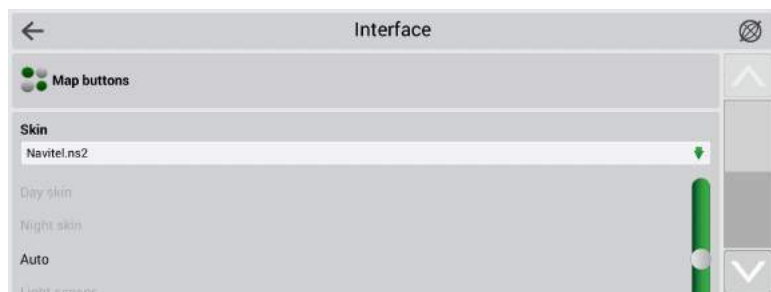
Rerouting

Determine circumstances when the program should try to automatically re-plan the created route. Navitel Navigator provides 2 possible conditions for route recalculation:

- When off-route Here you can set the distance of deviation from the current route, at which the program must start replanning the active route from the current position.

Interface

Interface settings menu will allow you to use the «Map» page and all of its elements effectively.



Map buttons

You can set the display of each button.

Near each icon placed a symbol, that can be different colors depending on the setting of the button. Green color means that the button will be always displayed. Grey color means that the button will not be displayed. Half painted in green color means, that under certain conditions button will not be displayed on the map page. By clicking on the symbol you may disable or enable the display buttons on the map page.

In the left part of each field is a setting button. If you click on it the advanced settings menu will be opened, the item is displayed depending on the current function status. Click on the icon to turn on/off the display of the buttons.

Skin

Select a suitable interface color setting from several color themes available in the program: [Day skin], [Night skin], [Auto], [Light sensor].

- [Auto]: This skin switches between the day and night skins according to the current time. The night skin will also activate when entering a tunnel, if it is present on the map.
- [Light sensor]: This sensor will switch the skin when detecting level of light that differs from the current lighting.

Hide buttons

Determines how long after the last user activity will be lost of the button [Cursor] and [Save], as well as button [Menu] and [Compass], [GPS], etc.

Hide menu

Determines how long after last activity Navitel Navigator switches to the Map page.

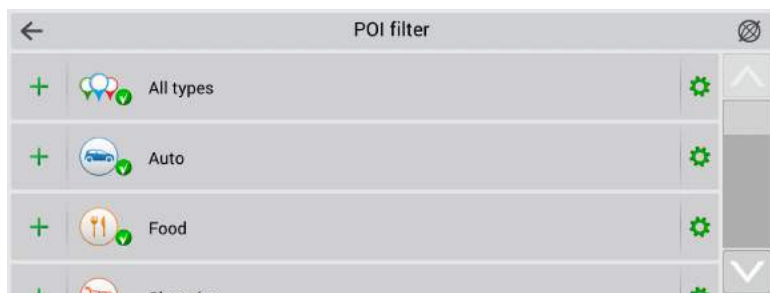
Show scroll bar

In this menu item you can turn on/off the display of scroll bars on the right side of the screen.

POI filter

Setting up the display of infrastructure objects on the map.

In the left part of each group and subgroup is the symbol that indicates whether the group displays or not. If the symbol is painted in green color- this means that the group is enabled, half-painted in green some of its subgroups are included, and some not. In case, if the group is turned off completely, the symbol will be grey. By clicking on this symbol, you can enable/disable the display on the map all of the icons of the corresponding group.



In the right part of each group is a setup button. By clicking on it displays page with additional settings:

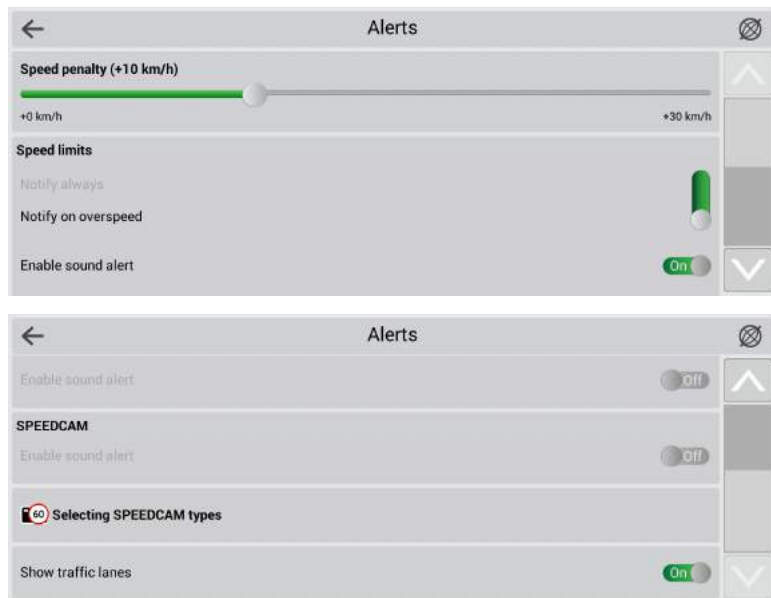


- [Turn off all types]: Turn off the display of all components of the given group/subgroup.
- [Seen on scales]: Lower and upper limits of the scale. You can set icons displaying of this group on the map;
- [Labels seen on scales]: Noting the subitem “Show POI names” you can select the maximum zoom, which will be displaying not only the icons of the group, but also the name of each icon;
- [Restore defaults]: Back to the standard (default) values.

With the help of first group “All types” settings you can set all the icons of the POI. This filter works as the limiter. For example, using it you can turn off the display of icon names. But to display all names it is necessary to install the appropriate mark in the settings of each group.

Alerts

The sound alert and speed camera settings.



Speed limits

Speed limits alert when over speed on specific road section.

- [Enable sound alerts]: When you switch the sound alert on, you can select the sound alert type. The sound alert is ready to alert you with special signals or with a voice.

Speed cams

The camera will warn you about the radar, dangerous intersections, speed bumps and pedestrian crossings.

- [Enable sound alerts]: When you switch the sound alert on, you can select the sound alert type. The sound alert is ready to alert you with special signals or with a voice.

Selecting SPEEDCAM types

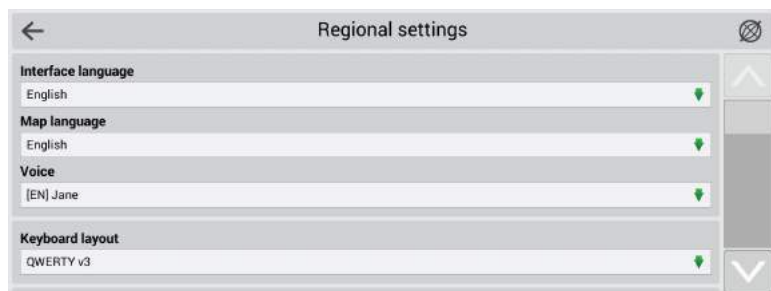
Select the SPEEDCAM objects of which you would like to be alerted by the program.

Traffic lanes

«Show traffic lanes»: sets up the display of traffic lanes, with information about maneuvers at the next intersection.

Regional settings

On page «Regional settings» user can select the language of the program interface, the voice sound (audio), keyboard layout, as well as the units of measurement.



Interface language

Select the program interface language.

Map language

Select the language of the map. The default language is set as the program interface language. In case, if the card does not support this language, national language will be used.

Voice

The voice messages settings, using which the program informs you about different events. You can change the voice package, clicking on the green arrow in the right part of the field and choosing a different package from the list that appears.

Keyboard

This menu is intended for setting the keyboard layout and selection of supported languages when typing text.

- [Keyboard layout]: Type of keyboard layout, that appears on the display when you click on the text input window.
- [Keyboard languages]: There is a button switching between languages when you click on that will switch the languages available on the keyboard. Check the settings of those languages, which will be included in this sequence.

Measurement units

Select the units of measurement of [Length, speed], [Coordinates], [Address format], [Azimuth], [Elevation/altitude, depth], [Area].

Click on the arrow next to the field to open a list of possible options.

System

Setting up General program functions.



Satellites

[Autodetect settings]: Automatically detect the settings of the program.

GPS On/Off

Turns the GPS receiver on and off.

Time

Menu allows you to setup the time in the program «Navitel Navigator».

- [Update time zone automatically]: If this function is switched on, the time zone will update automatically.

Sound

This menu allows to set the sound in Navitel.

- [Turn off sound]: This function is intended for switching off the sound of the program;
- [Keep volume]: When this function is switched on the volume level in the program will comply with the system settings. Otherwise, the speaker volume can be set independently.

Reset settings

The function is intended to return all system settings to the default values. After choosing this item the program will automatically restart.

Copyrights

Press to check the copyrights.

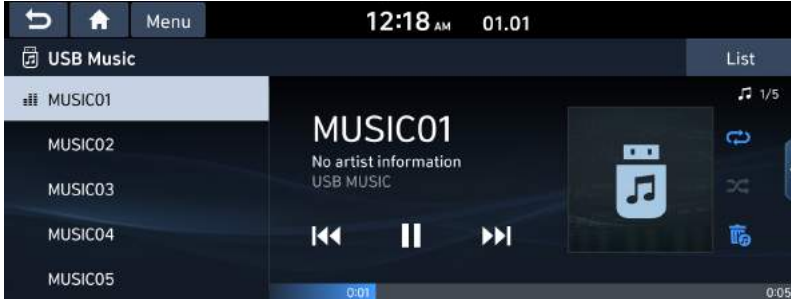
Media

Playing USB

Playing USB Music

You can play music files saved in a USB memory device.

Connect an USB device to the USB port. Playback will start automatically.



! Note

- To play USB Music while a different source is playing, press [MEDIA] > [USB Music].
- Press [Menu] > [Songs for this artist] or [Songs for this album] to move to the list menu screen.

Pause

You can pause the playing file.

Press [||] on screen.

Press [▶] on screen to play it again.

Skip

You can play the previous or next file.

| Position | Description |
|----------|---|
| Screen | <ul style="list-style-type: none"> • Press [◀◀ / ▶▶]. • Pressing [◀◀] after 3 seconds of playback time plays the current file from the beginning. |

Search

You can rewind/fast forward to a specific point of a file.

| Position | Description |
|----------|--|
| Screen | Press and hold [⏮ / ⏭] and then release at the point you want. |

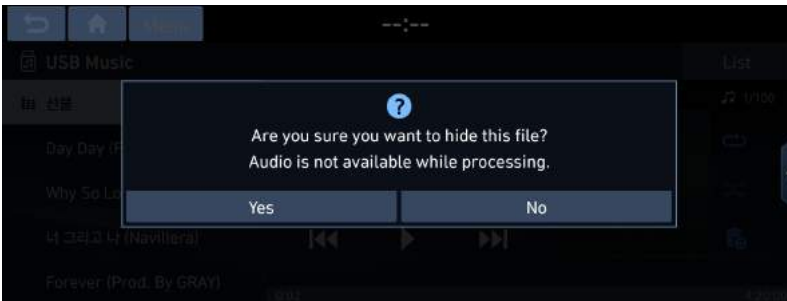
! Note

When you drag or touch the desired part on the progress bar, the music of the selected part plays.

Hide current file

You can hide the current playing file in USB.

1. Press [🗑️].



2. Press [Yes].

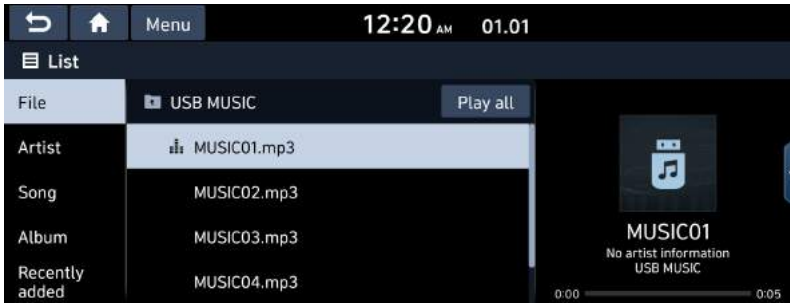
! Note

- Audio is not available while processing.
- Hidden files are stored in the Hide folder and it can be checked on your PC.

List


You can play the desired file by searching for the file list of the USB Menu.

1. Press [List].



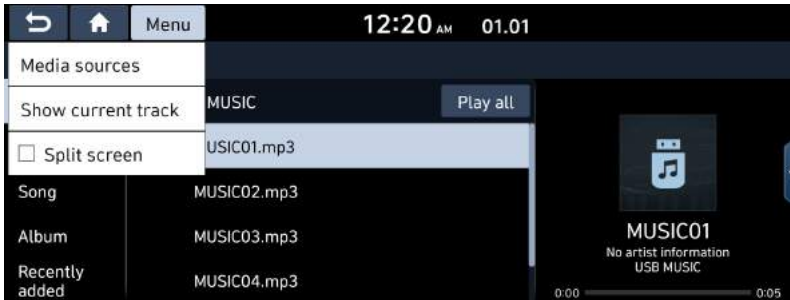
2. Press the desired file after searching for a category.
The category can be sorted by [File], [Artist], [Song], [Album] or [Recently added].

! Note

- Press [] to move to an upper folder.
- If you want to play the entire file in the list, press [Play all].

Using the list menu

1. Press [Menu] on the list screen.

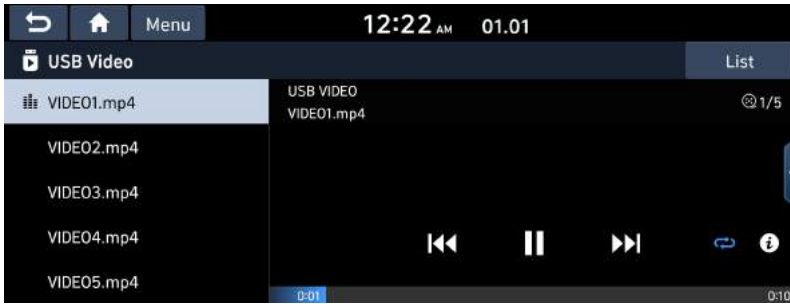


2. Press [Show current track].
The screen moves to the file list currently playing.

Playing USB Video

You can play video files saved in a USB memory device.

Connect a USB device to the USB port and playback starts automatically.



! Note

- To play USB Video while a different source is playing, press [MEDIA] > [USB Video].
- Video is not available while driving. (Because of traffic regulations, video is only available while the vehicle is stopped or the transmission lever is put to P position.)

Pause

You can pause the playing file.

Press [||] on screen.

Press [▶] on screen to play it again.

Skip

You can play the previous or next file.

| Position | Description |
|----------|---|
| Screen | <ul style="list-style-type: none"> • Press [◀◀ / ▶▶]. • Pressing [◀◀] after 3 seconds of playback time plays the current file from the beginning. |

Search

You can rewind/fast forward to a specific point of a file.

| Position | Description |
|----------|--|
| Screen | Press and hold [⏮ / ⏭] and then release at the point you want. |

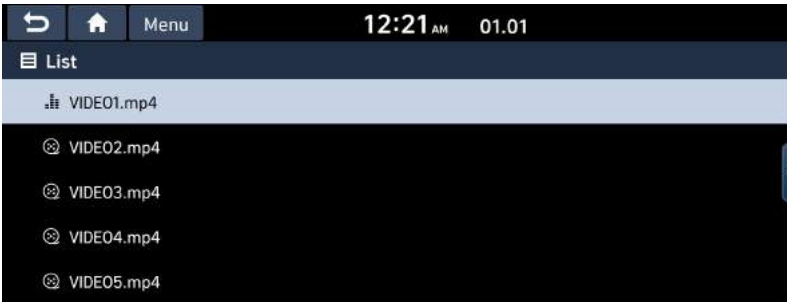
Note

When you drag or touch the desired part on the progress bar, the video of the selected part plays.

List

You can play the desired file by searching the file list included in USB.

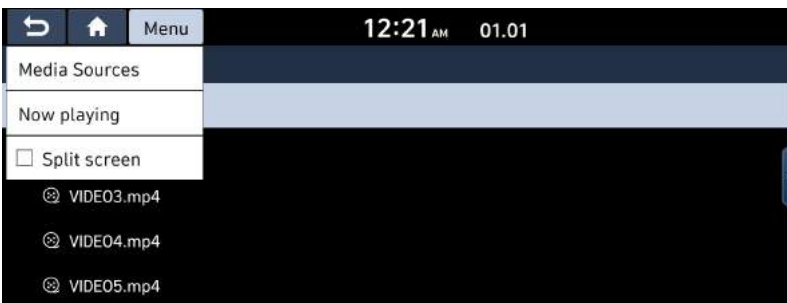
1. Press [List].



2. Press the desired file.

Using the list menu

1. Press [Menu] on the list screen.

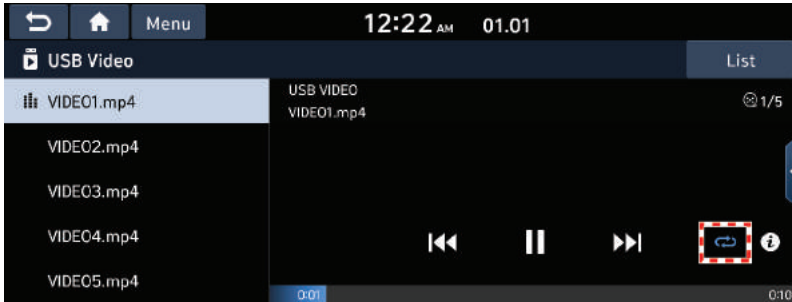


2. Press [Now playing].
The screen moves to the file list currently playing.

Repeat

The current playing file is played repeatedly.

1. Press [↺].

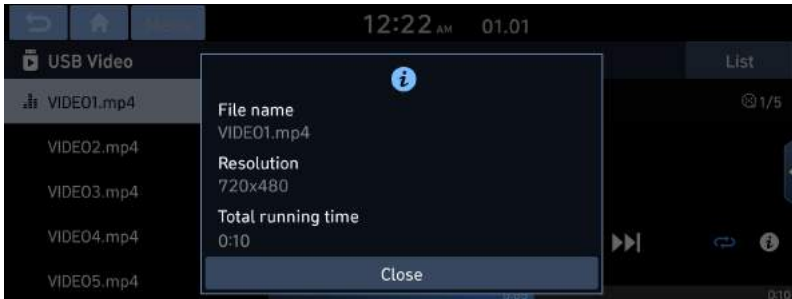


2. Select the desired mode by pressing [↺] repeatedly.
 - [↺]: Plays all files sequentially.
 - [↻]: Repeats all files within the current folder.
 - [↺]: Repeats the current track.

File information

This feature shows the name, resolution and playback time information of the file.

1. Press [Menu] > [Info] or [i].



2. Press [Close].

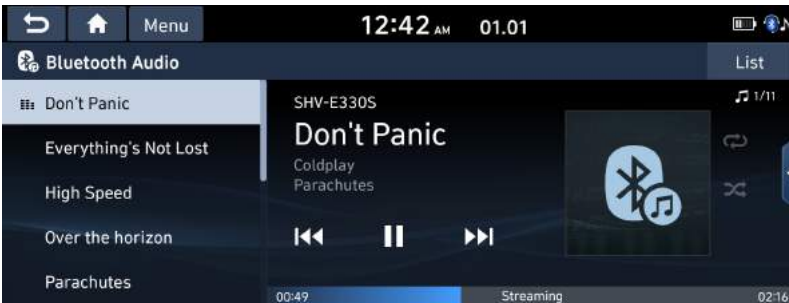
Bluetooth audio

Playing Bluetooth audio

- Music saved in the mobile phone can be played in the car through Bluetooth audio streaming.
- Bluetooth audio can be played only when a Bluetooth® phone has been connected. To play Bluetooth audio, connect the Bluetooth phone to the car system. For more information on connecting Bluetooth, please refer to the “*Pairing and connecting the unit and a Bluetooth phone*” part.
- If Bluetooth is disconnected while playing Bluetooth audio, the audio stream will be interrupted.
- The audio streaming function may not be supported in some mobile phones. Only one function can be used at a time between the Bluetooth hands-free or Bluetooth audio function. For example, if you convert to the Bluetooth hands-free while playing Bluetooth audio, the music will be discontinued.
- Playing music from the car is not possible when there are no music files saved in the mobile phone.

Starting the Bluetooth® audio

1. Connect your Bluetooth device to the head unit.
2. Press [MEDIA] on the head unit. The Bluetooth audio screen is displayed.



Note

To play Bluetooth audio while a different source is playing, press [MEDIA] > [Bluetooth Audio].

Pause

You can pause the playing file.

Press [⏸] on screen.

Press [▶] on screen to play it again.

Skip

You can play the previous or next file.

| Position | Description |
|----------|--|
| Screen | <ul style="list-style-type: none"> • Press [⏮ / ⏭]. • Pressing [⏮] after 3 seconds of playback time plays the current file from the beginning. |

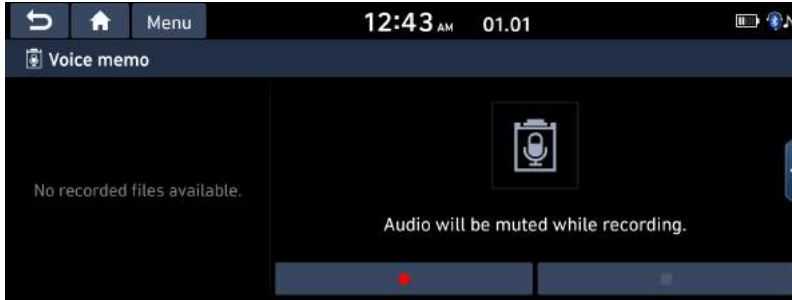
Bluetooth connections or Bluetooth settings

1. Press [Menu] > [Bluetooth connections] or [Bluetooth settings].
2. For more details, refer to the "[Bluetooth](#)".

Voice memo

Making a voice memo

Press [Voice memo] on the All menus screen.



Record

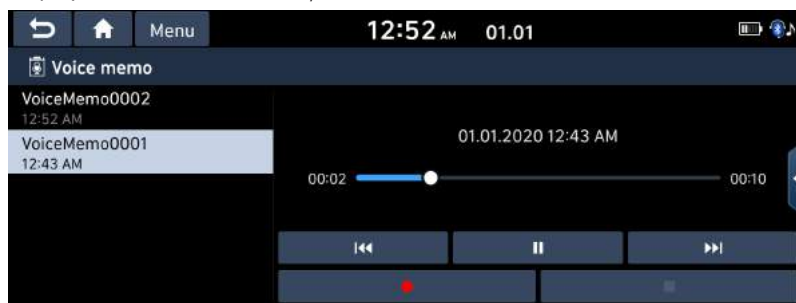
Start/Pause/Stop the voice memo.

| Position | Description |
|----------|---|
| Screen | <ul style="list-style-type: none"> To run voice memo, touch [●]. To pause voice memo, touch [] during recording. If you want to restart the voice memo, touch [●]. To stop voice memo, touch [■] during recording. |

Playing a voice memo

Press [Voice memo] on the Home screen.

To play a desired voice memo, select it in the voice memo list.



Pause

You can pause the playing file.

Press [||] on screen.

Press [▶] on screen to play it again.

Skip

You can play the previous or next voice memo.

| Position | Description |
|----------|---|
| Screen | <ul style="list-style-type: none"> • Press [◀◀ / ▶▶]. • Pressing [◀◀] after 3 seconds of playback time plays the current file from the beginning. |

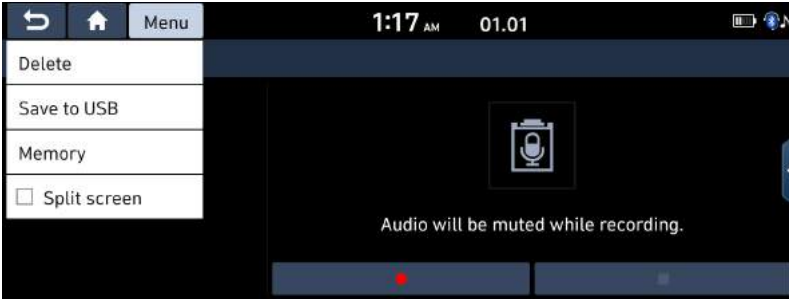
Search

You can rewind/fast forward to a specific point of a voice memo.

| Position | Description |
|----------|---|
| Screen | If you touch and hold [◀◀ / ▶▶] and release at the desired part, that part is played. |

Deleting voice memo

1. Press [Menu] > [Delete] on the voice memo screen.



2. Select the voice memo to delete and press [Delete] > [Yes].

- [Mark all]: Marks all items.
- [Unmark all]: Unmarks all items.

Saving voice memo on a USB

1. Press [Menu] > [Save to USB] on the voice memo screen.



2. Select the voice memo to save and press [Save] > [Yes].

- [Mark all]: Marks all items.
- [Unmark all]: Unmarks all items.

Note

- You can save in the USB device formatted as FAT16/32, exFAT, NTFS.
- When saving to USB, the voice memo is saved in the voice memo folder.

Checking storage space information

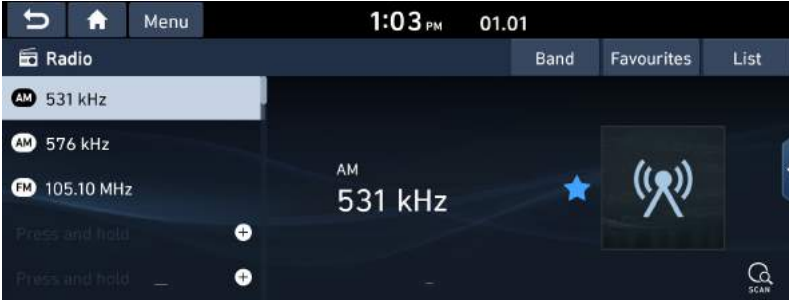
1. Press [Menu] > [Memory] on voice memo screen.
2. Check the storage space of the head unit. For details, refer to "Memory" part.

Radio

Listening to AM

1. Press [RADIO] on the head unit.
2. Press [Band] > [AM] on the screen.

The AM screen of the most recent listened station is displayed.



Note

Each time the [RADIO] button on the head unit is pressed, the mode is changed in the order AM > FM > AM.

Auto tuning

Press < SEEK/TRACK > on the head unit or \wedge/\vee button on the steering wheel.
Search and play previous/next available station.

Manual tuning

Turn left/right the Tune/Enter knob on the head unit.
The frequency moves up and down accordingly.

Favourites tuning

Press [Favourites]. Or Press the favourites numbers of the desired broadcast station.

Scan

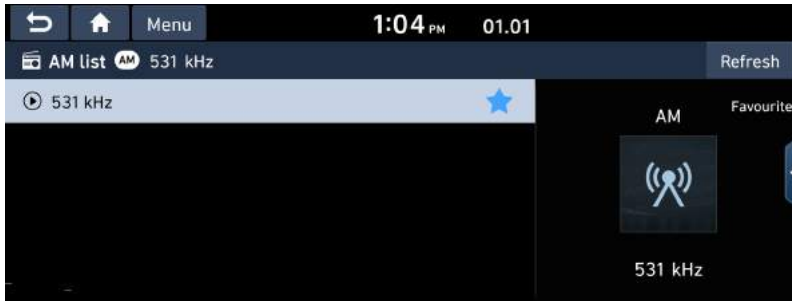
This function scans all stations and plays only stations with good signal strength for 5 seconds each.

Press [].

Press [] again to stop the scan function.

Opening the AM station list

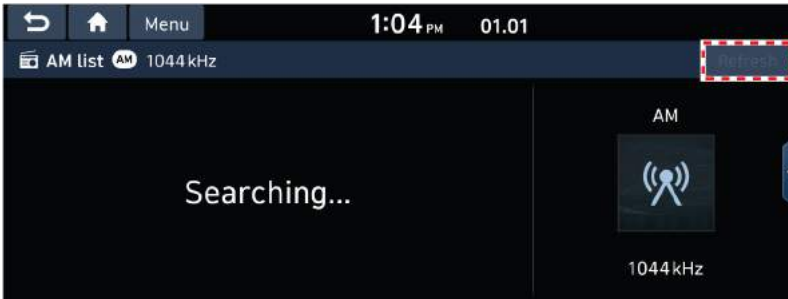
You can see the station list with superior reception. Press [List].



Auto search

This function lets you automatically search the broadcast stations with superior reception.

1. Press the desired broadcast station.
2. Press [List] > [Refresh].

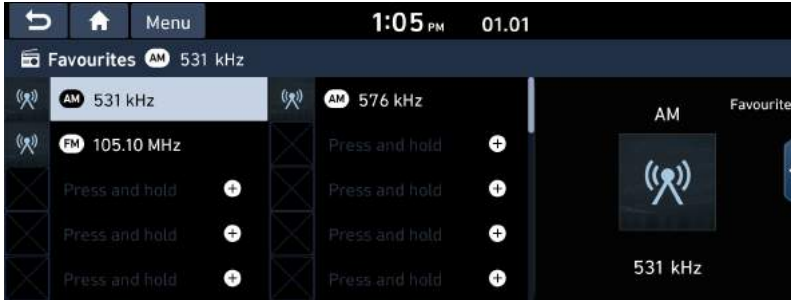


Saving AM Favourites

It manually saves the selected frequency to the desired favourites list.

1. Select the desired frequency.
2. Press [Favourites].
3. Press the desired favourites section or [+].

If you want to overwrite an existing favourites, press and hold the respective favourite section.



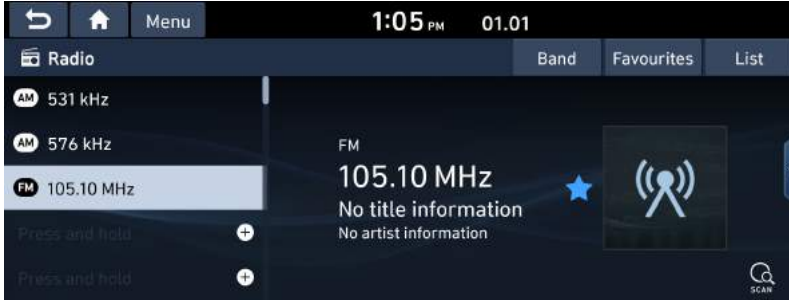
Note

When the frequency is saved on a preset of which another frequency has already been saved, the previously saved frequency is erased.

Listening to FM

1. Press [RADIO] on the head unit.
2. Press [Band] > [FM] on the screen.

The FM screen of the most recent listened station is displayed.



Note

Each time [RADIO] button on the head unit is pressed, the mode is changed in the order FM > AM > FM.

Auto tuning

Press < SEEK/TRACK > on the head unit or \wedge / \vee button on the steering wheel.
Search and play previous/next available station.

Manual tuning

Turn left/right the Tune/Enter knob on the head unit. The frequency moves up and down accordingly.

Favourites tuning

Press [Favourites].

Or Press the favourites numbers of the desired broadcast station.

! Note

- FM broadcasts are transmitted at high frequencies and do not bend following the earth's surface. Because of this, FM broadcasts generally begin to fade at short distances from the station. Also, FM signals are easily affected by buildings, mountains or other obstructions. These can result in undesirable listening conditions and show wrong information (ex. RDS PS NAME, etc.), which might lead you to believe a problem exists with your radio. The following conditions are normal and do not indicate radio trouble.
- When the signal is weak, FM noise is generated.

Scan

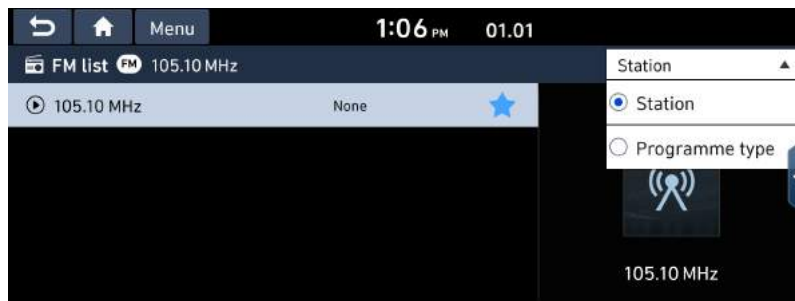
This function scans all stations and plays only stations with good signal strength for 5 seconds each.

Press [].

Press [] again to stop the scan function.

Opening the FM station list

You can see the station list with superior reception. Press [List].



! Note

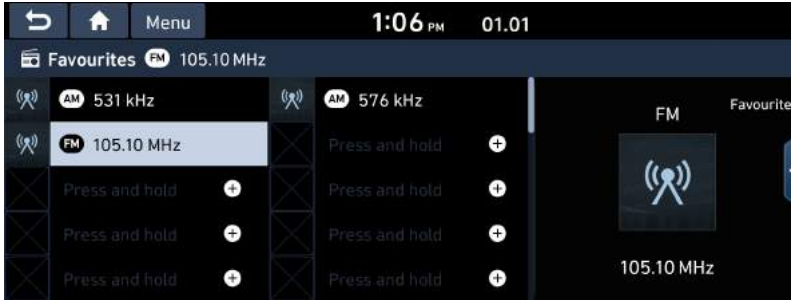
Press [Station] or [Programme type] to arrange the list in station or programme type order.

Saving FM Favourites

It saves the listening station to the desired favourites list.

1. Select the desired frequency.
2. Press [Favourites].
3. Press the desired favourites section or [+].

If you want to overwrite an existing favourites, press and hold the respective favourite section.



! Note

When the frequency is saved on a preset of which another frequency has already been saved, the previously saved frequency is erased.

Deleting Favourites

This function delete the frequency saved to AM/FM presets.

1. Press [Menu] > [Delete favourites] on the AM/FM screen.



2. Select the desired item(s), then press [Delete] > [Yes].
 - [Mark all]: Selects all items.
 - [Unmark all]: Unmarks all items.

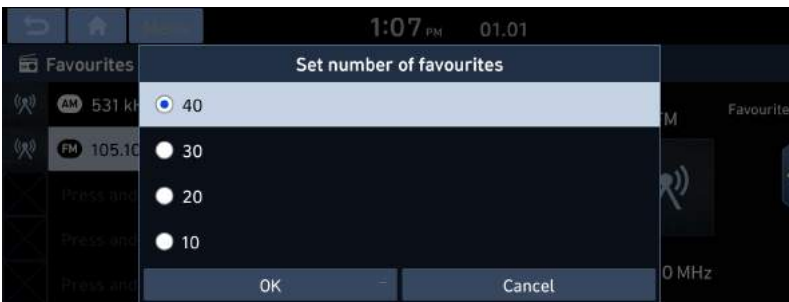
Note

If you want to delete an existing favourites, press [☆] > [Yes] on the screen.

Set number of favourites

This feature allows you to set the number of favorites. You can set a maximum of 40 to a minimum of 10.

1. Press [Menu] > [Set number of favourites] on the AM/FM screen.



2. Select the desired item.

Phone

Bluetooth

Bluetooth® Wireless Technology

What is Bluetooth Wireless Technology?

- Bluetooth Wireless Technology refers to a short-distance wireless networking technology which uses a 2.45GHz frequency to connect various devices within a certain distance.
- Supported within PCs, external devices, Bluetooth phones, PDAs, various electronic devices, and automotive environments, Bluetooth Wireless Technology to be transmitted at high speeds without having to use a connector cable.
- Bluetooth Hands-free refers to a device which allows the user to conveniently make phone calls with Bluetooth mobile phones through the system.
- The Bluetooth Hands-free feature may not be supported in some mobile phones.

Precautions for Safe Driving

- Bluetooth is a feature that enables drivers to use handsfree while driving. Connecting the head unit with a Bluetooth phone allows the user to conveniently make calls, receive calls, and manage the phone book. Before using Bluetooth Wireless Technology, carefully read the contents of this user's manual.
- Excessive use or operations while driving may lead to negligent driving practices and be the cause of accidents. Do not operate the device excessively while driving.
- Viewing the screen for prolonged periods of time is dangerous and may lead to accidents. When driving, view the screen only for short periods of time.


Cautions upon Connecting Bluetooth Phone

- Before connecting the head unit with the mobile phone, check to see that the mobile phone supports Bluetooth features.
- If you do not want automatic connection with your Bluetooth device, turn the Bluetooth feature off of the Bluetooth device.
- Park the vehicle when pairing the head unit with the mobile phone.
- Some Bluetooth features may occasionally not operate properly depending on the firmware version of your mobile phone. If such features can be operated after receiving a S/W upgrade from your mobile phone manufacturer, unpair all devices and pair again before use.


Pairing and connecting the unit and a Bluetooth phone

To use the Bluetooth feature, make sure the Bluetooth on your phone is turned on. Refer to your phone's user guide.

When no phones have been paired

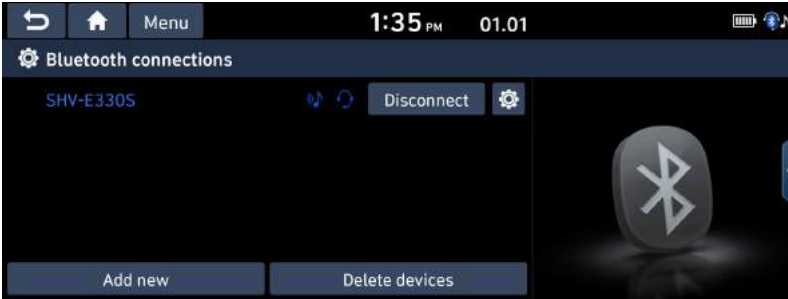
1. Press [Phone] on the Home screen. Or press [] on the steering wheel remote control.
 - [Cancel]: Cancels Bluetooth connection.
2. In your phone, initiate a search for Bluetooth devices.
(The default vehicle name is Hyundai Motors.)
3.
 - 1) If the SSP (Secure Simple Pairing) is not supported, enter the passkey on your Bluetooth device. (The default passkey is 0000.)
 - 2) If the SSP (Secure Simple Pairing) is supported, press [Yes] on the pop-up screen of your Bluetooth device.
4. Bluetooth device is connected. The mobile phone contacts and the calling list are downloaded. When the connection fails, failure message is displayed on the screen.

When a phone is already paired

1. Press [Phone] on the Home screen. Or press [] on the steering wheel remote control.
2. Press the device from the Bluetooth device list pop-up screen. If you want to pair additional device, press [Add new]. Follow steps 3-4 of "*When no phones have been paired*" part.

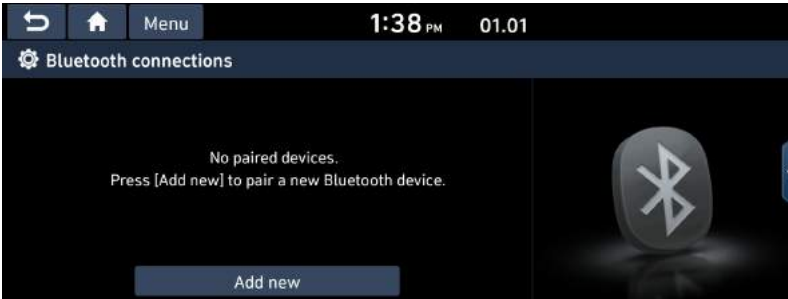
When pairing additional device

1. Press [SETUP] > [Phone connection] > [Bluetooth connections].



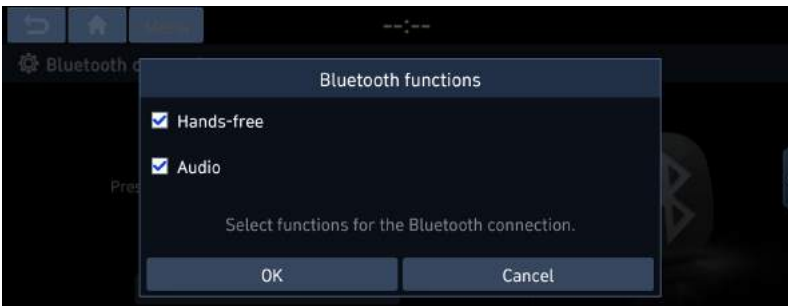
2. Select the device you want to connect.

If there is no device you want to connect, press [Add new].

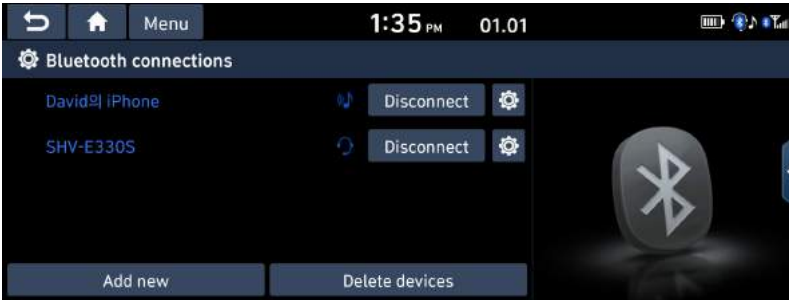


3. Select the service to connect, press [OK].

When connecting the Bluetooth, Hands-free connection is available only for one Bluetooth connection. But Bluetooth audio is supported for multi-connection.



4. In your phone, initiate a search for Bluetooth devices.
(The default vehicle name is Hyundai Motors.)
5.
 - 1) If the SSP (Secure Simple Pairing) is not supported, enter the passkey on your Bluetooth device. (The default passkey is 0000.)
 - 2) If the SSP (Secure Simple Pairing) is supported, press [Yes] on the pop-up screen of your Bluetooth device. (The pop-up screen may differ from the actual information of the Bluetooth device.)
6. Bluetooth device is connected. The mobile phone contacts and the calling list are downloaded.

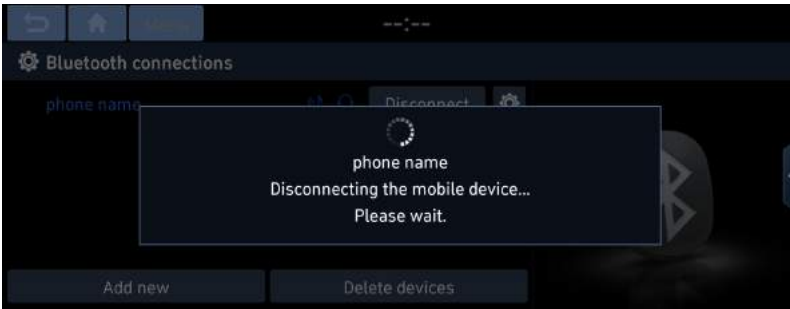


Note

- For safety reasons, pairing a Bluetooth phone is not possible when the vehicle is in motion. Park the vehicle in a safe location to pair a Bluetooth phone. It is possible to pair up to 6 mobile phones. In order to pair a new phone when there are already 6 mobile phones paired, you must first delete one of the previously paired phones.
- Some functions may not be supported due to limited Bluetooth compatibility between the car system and mobile phone.
- When the connection fails, failure message is displayed on the screen.
- When a Bluetooth device is connected, a new device cannot be paired. If you want to pair a new phone, first disconnect the connected Bluetooth device.

Disconnecting the connected phone

1. Press [SETUP] > [Phone connection] > [Bluetooth connections].
2. Select the connected phone.



3. Press [Disconnect].

Note

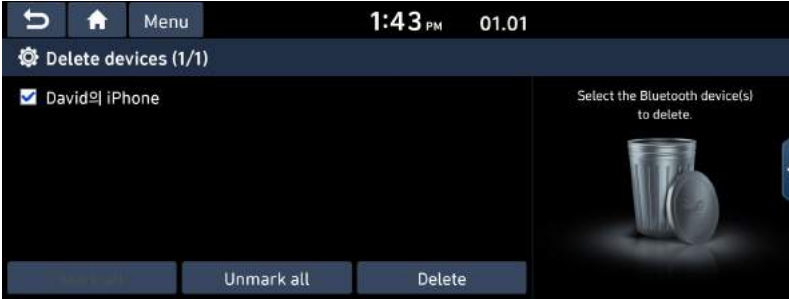
If you want to connect the disconnected phone again, select the disconnected phone.

Deleting Bluetooth Devices

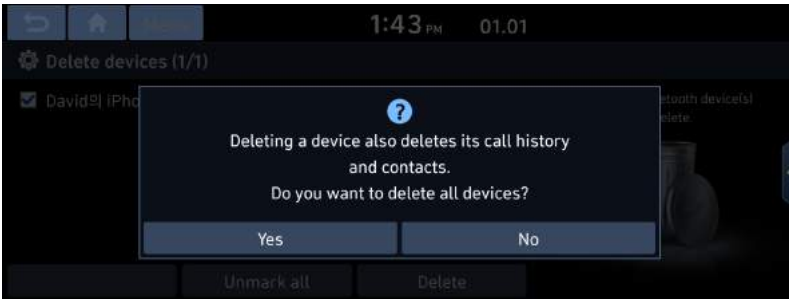
If you do not need to use a phone any longer, you can delete it.

Note that deleting a Bluetooth device will delete all calling list and contact entries.

1. Press [SETUP] > [Phone connection] > [Bluetooth connections].
2. Press [Delete devices].

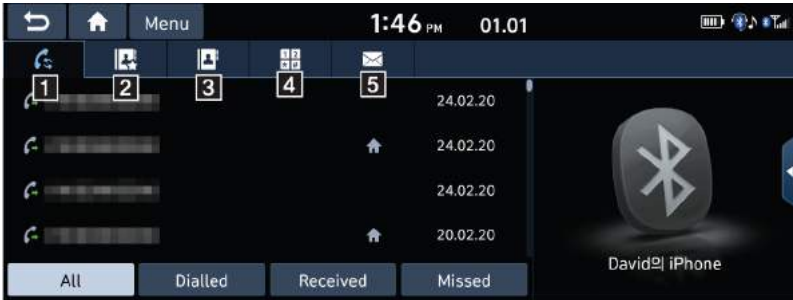


3. Select the desired device, then press [Delete] > [Yes].
 - [Mark all]: Marks all items.
 - [Unmark all]: Unmarks all items.



Phone Screen

Press [PHONE] on the steering wheel or [Phone] on the home screen.



1 (Recent calls)

Moves to recent calls screen.

2 (Favorites)

Moves to favorites Screen.

3 (Contacts)

Moves to contacts screen.

4 (Dial screen)

Moves to Bluetooth phone dial pad screen.

5 (Message)




Moves to message screen.

Note

If you activate Privacy mode, the audio system will not display contacts, call history, favourites, and messages. Press [Menu] > [Privacy mode] to activate Privacy mode.



Making a call

Making a call by entering phone number

1. In the phone screen, press [] to display the dial pad screen.
2. Enter and enter the phone number.
3. Press [] on the phone screen or [] on the steering wheel remote control.



Note

- If you press the wrong number, press [] to delete one digit of the entered number.
- Press [] to move to Bluetooth connections settings.
- Press and hold the dial pad [0 +] to enter a "+".



Making a call by redialling

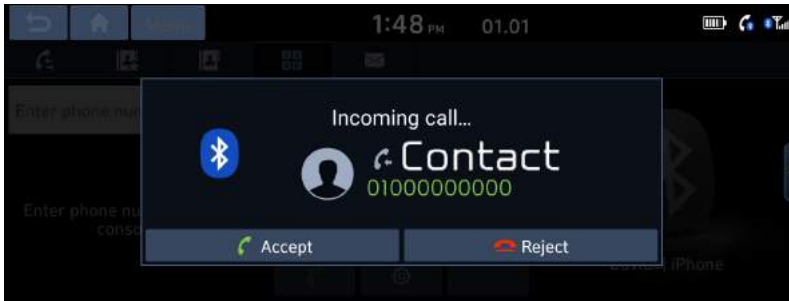
Press and hold [] on the phone screen or [] on the steering wheel remote control.

Note

Redialling is not possible when there is no number in the dialled calls list.

Answering/Rejecting a call

1. If there is an incoming call, a pop-up message will appear.
2. Press [Accept] in the pop-up message or [] on the steering wheel remote control. To reject a call, select [Reject] in the pop-up message or [] on the steering wheel remote control.

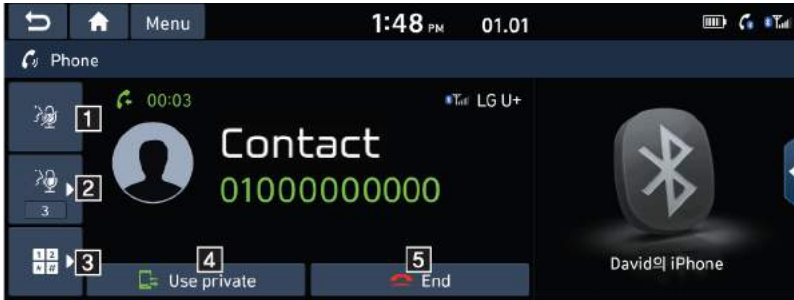



Note


- If the Call-ID service is available, the caller's phone number is displayed.
- If caller's phone number is saved in the phone book, the caller's name is displayed on the unit.
- Upon receiving a call, the [Reject] function may not be supported in some mobile phones.


Using the menu during a phone call


When making a call, you can use the following menu items.




- 1** 

Turns the Mic On/Off.
- 2** 

Displays the Outgoing Volume settings.
You can adjust the in-call volume that the other party hears.(level 1-5)
- 3** 

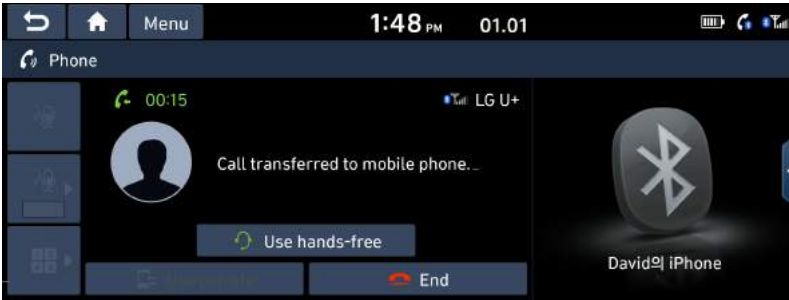
Moves to a screen for entering ARS numbers.
- 4** 

Switches a voice call from the car hands-free to the mobile phone.
- 5** 

Ends a call.

Switching call to the mobile phone

1. If you want to switch the call to the mobile phone while talking on the car hands-free, press [Use private] on the screen or press and hold [📞] on the steering wheel remote control. As shown below, the call is switched to the mobile phone.



2. If you want to switch the call to the car hands-free while talking on the mobile phone, press [Use hands-free] on the screen or press and hold [📞] on the steering wheel remote control. The call is switched to the car hands-free.

Ending a call

1. To end a call, press [📞] on the phone screen or [📞] on the steering wheel remote control.
2. The call is ended.

Call history

Making a call from calling list

1. Press  on the phone screen or  on the steering wheel remote control.



2. Press [All], [Dialled], [Received] or [Missed].
 - [All]: Displays all calling list.
 - [Dialled]: Displays the outgoing calling list.
 - [Received]: Displays the incoming calling list.
 - [Missed]: Displays the missed calling list.
3. Press the phone number you want to call.

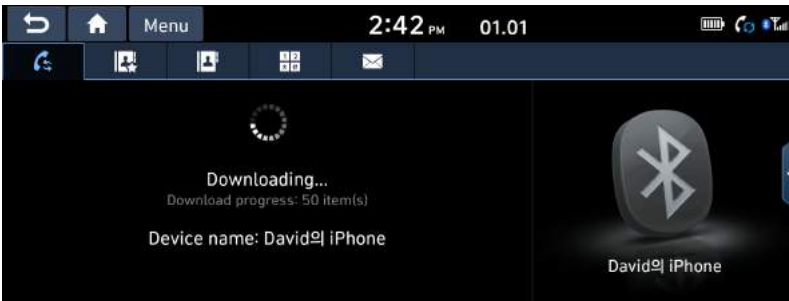
Note

The calling list may not be saved in some mobile phones.

Downloading call history

You can download the call history information from your mobile phone.

1. Press [☰] on the phone screen.
2. Press [Menu] > [Download] > [Yes].



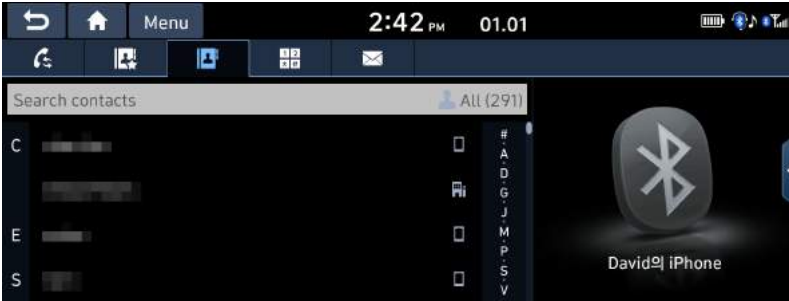
Note

- Up to 50 received, dialed, and missed call history lists can be downloaded.
- The download feature may not be supported on some mobile phones. Check to see that the Bluetooth device supports the download feature.

Contacts

Making a call from contacts

1. Press [Contacts] on the phone screen. The contacts are displayed on the screen.

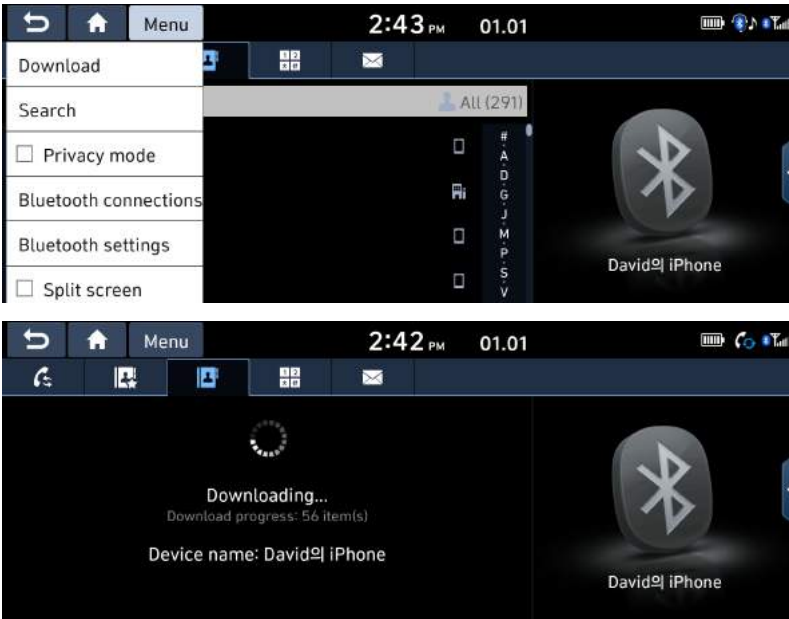


2. Select the contact you want to call from the list of contacts.

Downloading mobile phone contacts

You can download contacts from your mobile phone.

1. Press [☰] on the phone screen.
2. Press [Menu] > [Download] > [Yes].



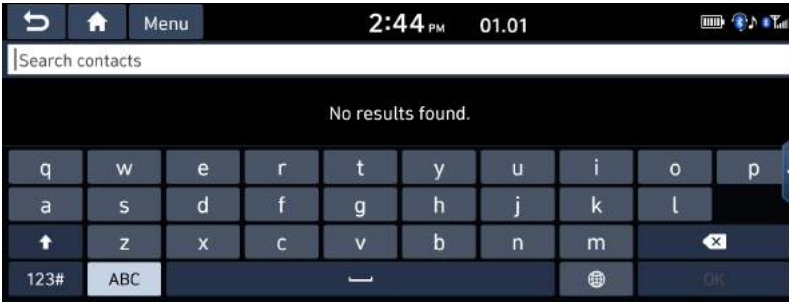
Note

- Upon downloading mobile phone contacts, the previous data is deleted.
- This feature may not be supported on some mobile phones.
- Up to 5000 phone contacts lists can be downloaded.

Searching by name or number

You can search contacts for the name or number that you enter.

1. Press [👤] > [Menu] > [Search].




2. Enter the name or number then press [OK].
3. Select the contact you want to call.

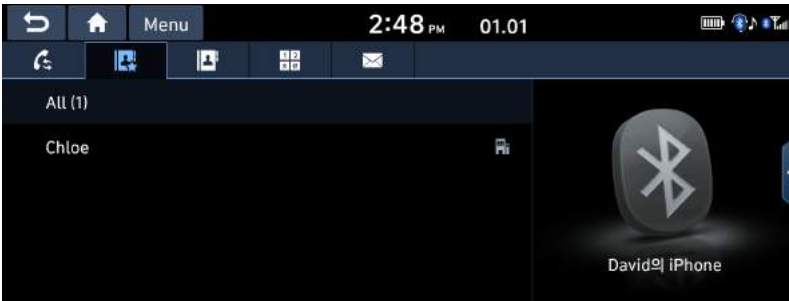
Favourites

Calling Favourites

If the phone number has already been stored in the Favourites, it can be easily called by tapping on it.

First of all, add the phone number in the Favourites.

1. Press  on the phone screen.

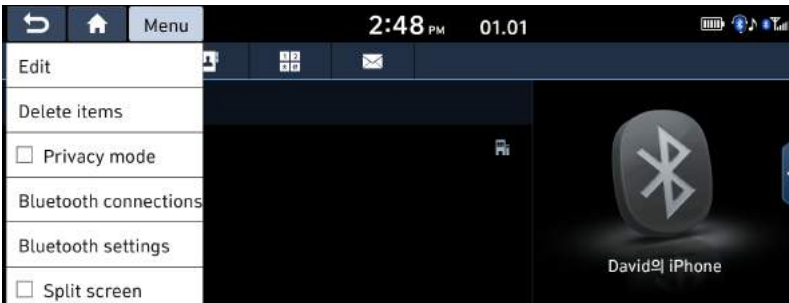
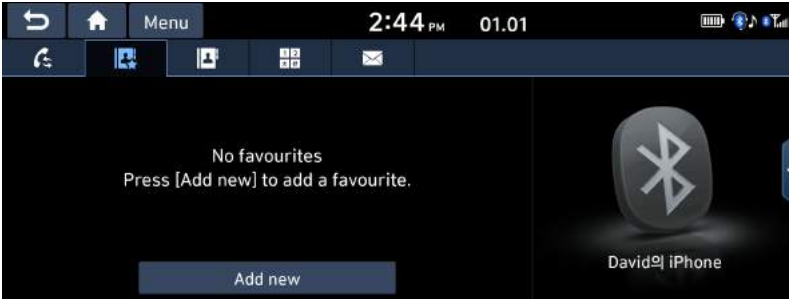


2. Select the desired Favourites.

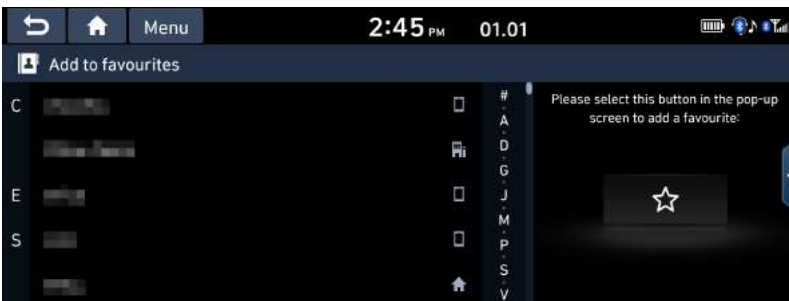
Adding as a Favourites

Up to 10 contacts can be added to favourites menu.

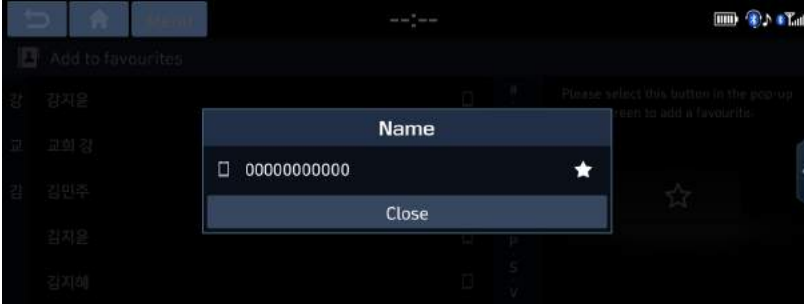
1. Press [Contacts] > [Add new] on the phone screen, if there is no Favourites.
Or press [Menu] > [Edit], If the phone numbers have already been stored in the Favourites



2. Select one of the contacts.

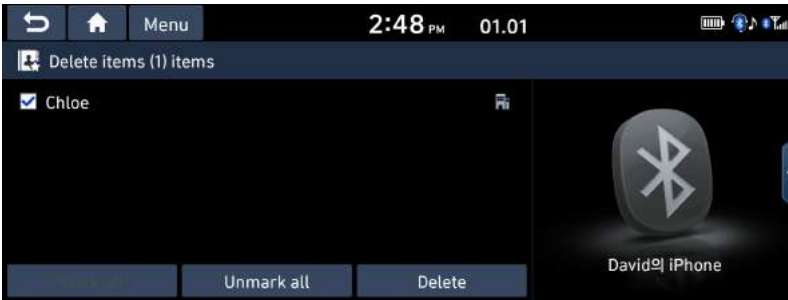


3. Press [**☆**] > [Close] > [**↵**].



Deleting Favourites

1. Press [**⌘**] on the phone screen.
2. Press [Menu] > [Delete items].

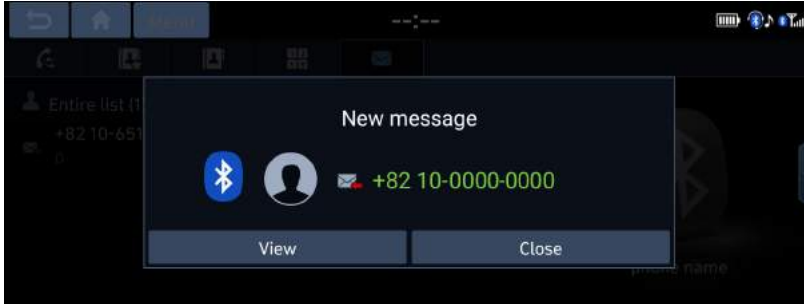


3. Select the desired item, then press [Delete] > [Yes].
 - [Mark all]: Marks all items.
 - [Unmark all]: Unmarks all items.

Messages

Checking for new messages

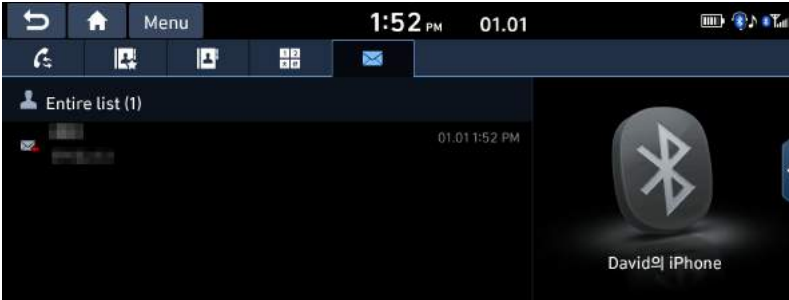
When you receive a message, a pop-up screen is displayed. On the text message screen, press [View] or [Close].



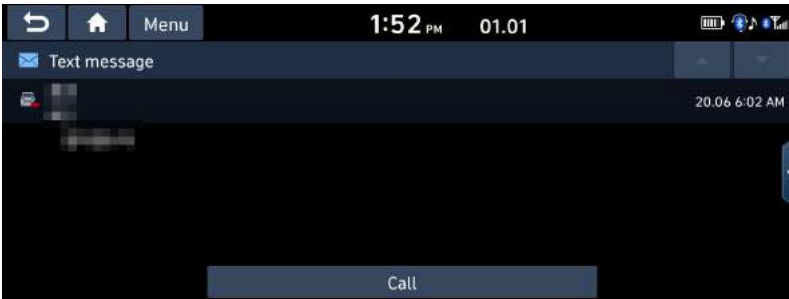
- [View]: Checks the text message.
- [Close]: Closes the pop-up screen about the text message.

Checking and replying to text messages

1. Press [☒] on the phone screen.



2. Select contents what you want to check.



- [Call]: Making a call by redialing.

Note

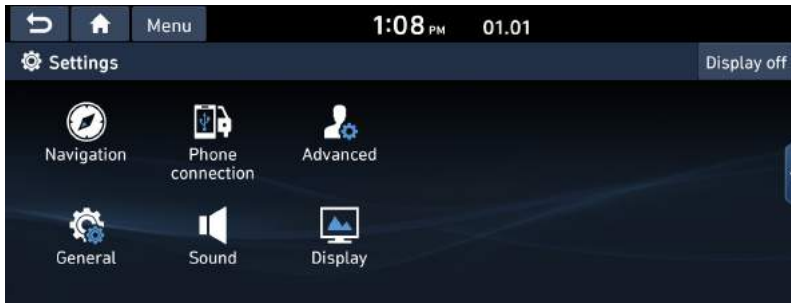
Some functions may not be supported due to limited Bluetooth compatibility.

Setup

Settings

You can set all the settings on the system.

Press [SETUP] on the head unit.



- [Navigation]: This menu describes navigation settings.
- [Phone connection]: This menu allows you to set the car connectivity of your system.
- [Advanced]: This menu is used to select a function you want to execute with the custom button.
- [General]: This menu is used to set general settings such as time or language.
- [Sound]: This menu is used to adjust the sound effects for the whole system.
- [Display]: This menu allows you to adjust the display settings such as brightness or dimming.

Phone connection Settings

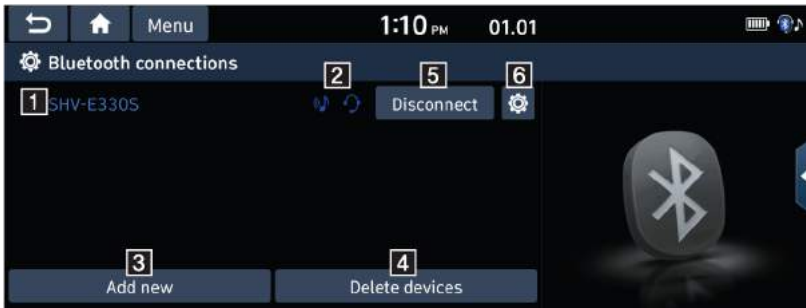
Bluetooth

This menu describes Bluetooth phone settings.

Bluetooth connections

This menu is used to pair and connect the head unit and a Bluetooth phone.

Press [SETUP] > [Phone connection] > [Bluetooth] > [Bluetooth connections].



1 Paired device list

Displays the paired Bluetooth device list. When selecting from the list, the device is either connected or disconnected.

2 Bluetooth audio and hands-free connection status

An icon appears when you make a Bluetooth audio and hands-free connection.

3 [Add new]

Registers a new Bluetooth device.

4 [Delete devices]

Moves to the [Delete devices] menu.

5 [Connect] / [Disconnect]

Connects or disconnects the mobile device.

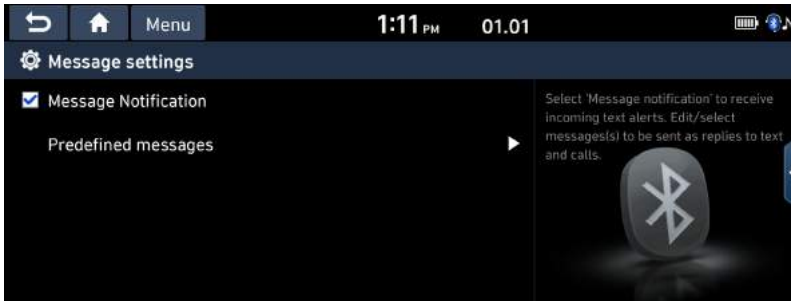
6 [Bluetooth functions]

Displays the [Bluetooth functions] menu.

Message settings

You can check message notification.

1. Press [SETUP] > [Phone connection] > [Bluetooth] > [Message settings].



- [Message notification]: You can check or uncheck message notification.

Note

The UI for iOS may differ from Android.

Bluetooth System info

Vehicle name

You can change the Bluetooth device name of the vehicle.

1. Press [SETUP] > [Phone connection] > [Bluetooth] > [Bluetooth system info] > [Vehicle name].



2. Enter the desired name using the keypad, then press [OK].

Passkey

You can change the passkey used for Bluetooth device authentication.

1. Press [SETUP] > [Phone connection] > [Bluetooth] > [Bluetooth system info] > [Passkey].



2. Enter the passkey using the keypad, then press [OK].

! Note

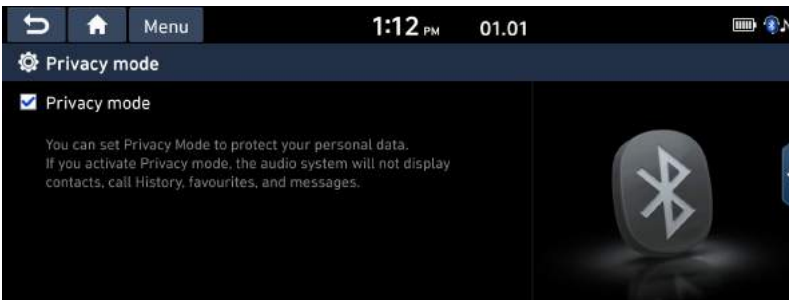
The passkey is a 4-digit authentication code used for a Bluetooth connection between the mobile phone and car system. The default passkey is set to 0000.

Privacy Mode

Privacy mode is used to protect private information.

If you activate Privacy Mode, the audio system will not display Contacts, Call history, favorites, and messages.

1. Press [SETUP] > [Phone connection] > [Bluetooth].
2. Check [Privacy Mode] to set privacy.



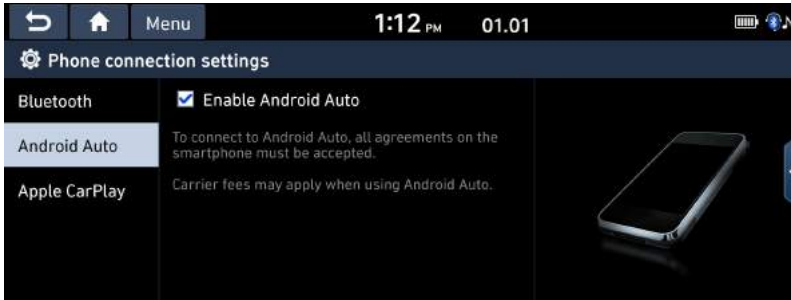
Default

This menu is used to reset the Bluetooth settings to factory default.
Press [SETUP] > [Phone connection] > [Bluetooth] > [Default] > [Yes].

Phone projection

In this menu Android Auto and Apple CarPlay can be enabled by setting a checkmark.

1. Press [SETUP] > [Phone connection].



2. Press the desired items.
 - [Android Auto]: If Android Auto is checked, you can use the functions of your Android device with a USB cable connected.
 - [Apple CarPlay]: If Apple CarPlay is checked, you can use the functions of your iPhone with a USB cable connected.

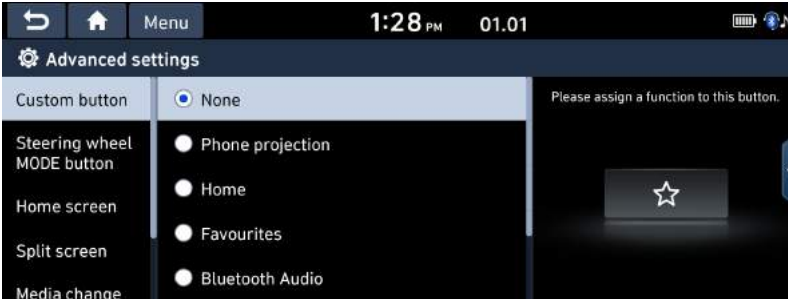
Advanced Settings

This menu describes advanced settings.

Custom button


This menu is used to select a function you want to execute with the custom button.

1. Press [SETUP] > [Advanced] > [Custom button].

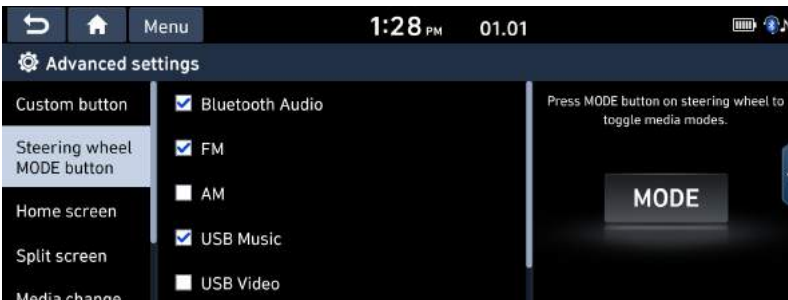


2. Select an option to assign a function to custom button.

Steering wheel MODE button

Selects the desired features when you press [] on steering wheel to toggle media modes.

1. Press [SETUP] > [Advanced] > [Steering wheel MODE button].

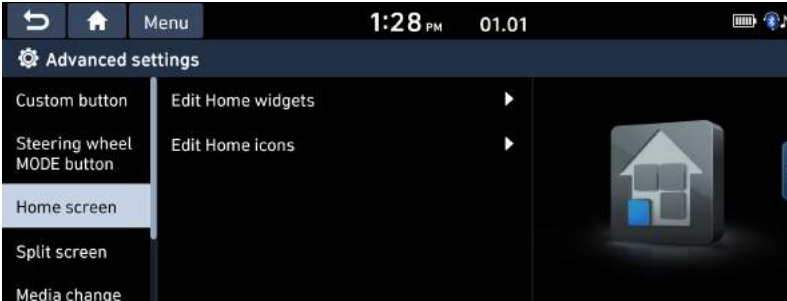


2. Select an option to assign a function to steering wheel media modes.

Home screen

This menu is used [Edit Home Widgets] or [Edit Home icons] to select home screen widgets and set the order of menu icons.

1. Press [SETUP] > [Advanced] > [Home screen].



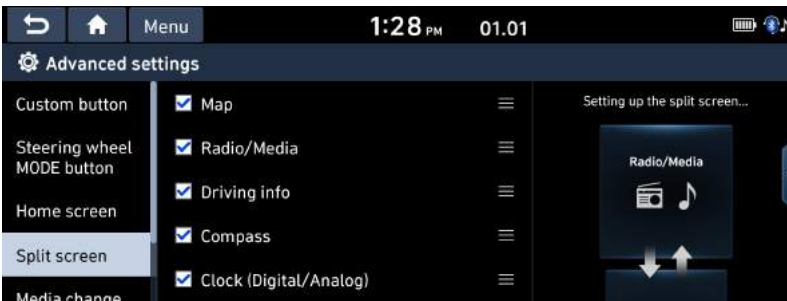
2. Select the desired items.
 - [Edit Home Widgets]: You can edit the Home widgets displayed on the Home screen.
 - [Edit Home icons]: You can edit the Home icons displayed on the Home screen.

Note

If supported widgets are 2 or less, Edit Home Widget is not supported.

Split screen

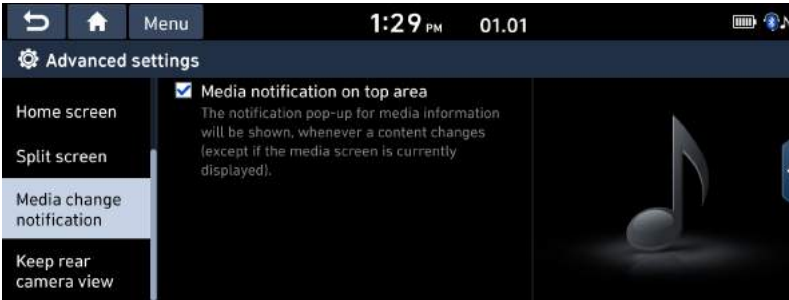
1. Press [SETUP] > [Advanced] > [Split screen].



2. Select the menu to display on the split screen and set the order of the menu icons.

Media change notifications

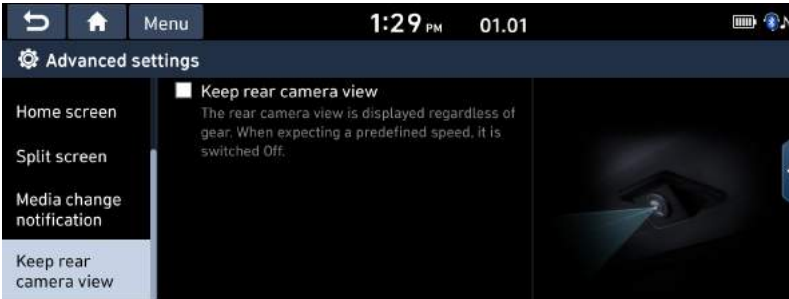
1. Press [SETUP] > [Advanced] > [Media change notifications].



2. Press [Media notifications on top area].
 - If the box is checked, the notification pop-up for media information will be shown, whenever a content changes.

Keep rear camera view

1. Press [SETUP] > [Advanced] > [Keep rear camera view].



2. Press [Keep rear camera view].

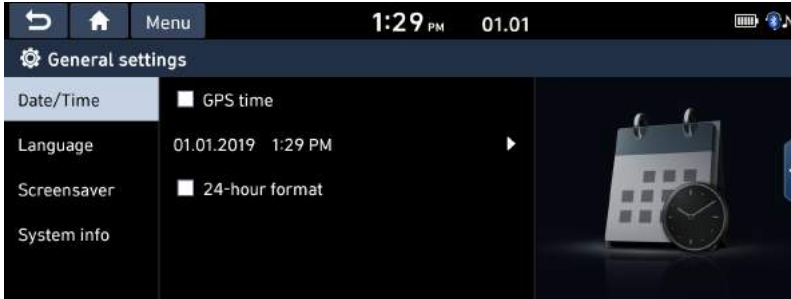
If the box is checked, the rear camera view will be displayed regardless of gear.

General settings

Date/Time

This menu describes date and clock settings.

1. Press [SETUP] > [General] > [Date/Time].
2. Press the Date/Time setting.

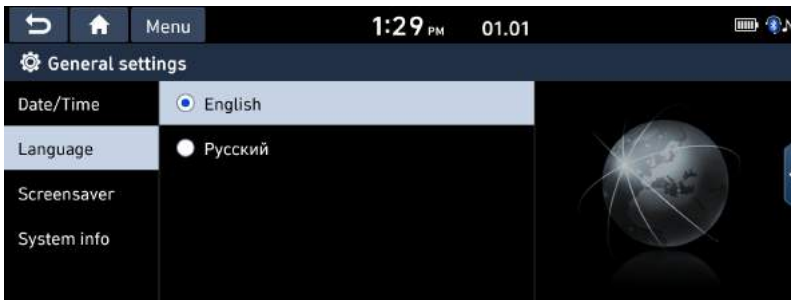


3. Press the desired items.
 - [GPS time]: Displays time according to the received GNSS time.
 - [24-hour format]: Switches to 12 hour or 24 hour format.

Language

This menu is used to set the language of the system.

1. Press [SETUP] > [General] > [Language].

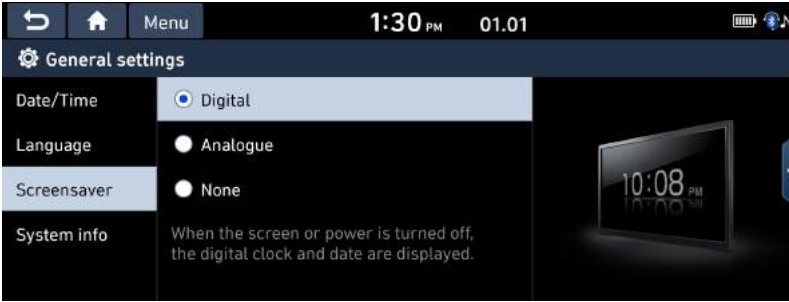


2. Select the desired language.

Screensaver

This menu is used to select the screen displayed when the system power is turned off.

1. Press [SETUP] > [General] > [Screensaver].



2. Select the desired items.
 - [Digital]: The digital clock and date are displayed.
 - [Analogue]: The analogue clock and date are displayed.
 - [None]: Nothing is displayed.

System info

Version info/Update

Version info

You can view software version, firmware version and Device ID.

Press [SETUP] > [General] > [System info] > [Version info/Update].



Update

For system's software security, improved software or newly added function for system, you need an update.

1. Press [SETUP] > [General] > [System info] > [Version info/Update].



2. After inserting the USB with the update file, press [Update]. Once updating is complete, the system will automatically restart.

Note

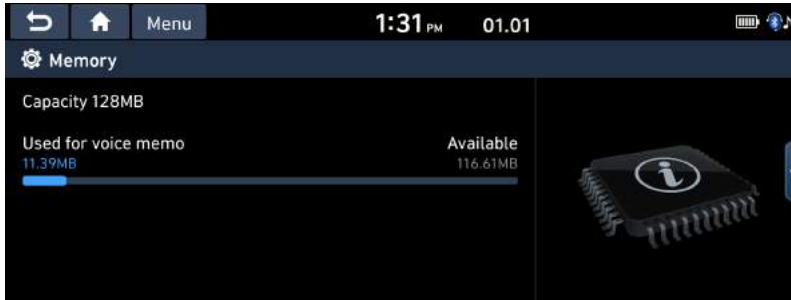
- This product requires regular updates for software corrections and new functions. Updating may require up to 1 hour depending on the data size.
- Turning off the power or ejecting the USB during the update process may result in data loss. Make sure to keep the ignition on while update is in progress.
- The screens shown in this manual may differ with the actual screens of the product.
- The design and specification of this product may change without prior notification for product improvement.

Memory

You can check a memory space for voice memo.

(Total storage space, used memory space, remaining memory space).

Press [SETUP] > [General] > [System info] > [Memory].



Note

When the storage is full, refer to "[Deleting voice memo](#)" part.

User Manual Web (QR code)

This menu is used to view the Web Manual.

1. Press [SETUP] > [General] > [System info] > [User Manual Web(QR code)].
2. Scan the QR code of your mobile device. Keep display bright and avoid glare to scan correctly.

Reset

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

1. Press [SETUP] > [General] > [System info].
2. Press [Reset] > [Yes].

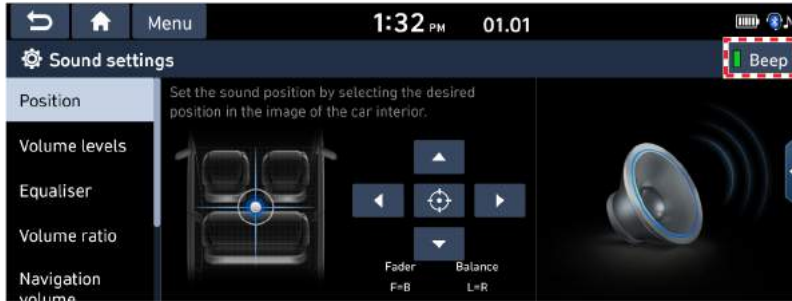
Sound Settings

This menu is used to adjust the sound effects for the whole system.

Beep

This menu is used to play a beep sound whenever you operate the touch screen.

Press [Setup] > [Sound] > [Beep].



Position

This menu allows you to set the sound position.

For example, you can set the sound close to the driver-seat so that the volume is relatively lower in the passenger or rear seats.

1. Press [SETUP] > [Sound] > [Position].



2. Adjust the sound position. Or press [^] / [v] / [<] / [>] to control the sound position.

Note

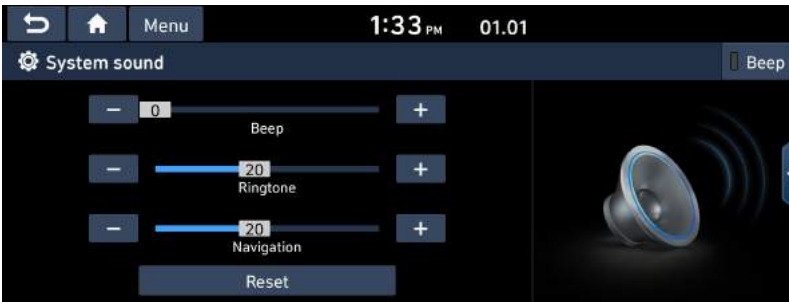
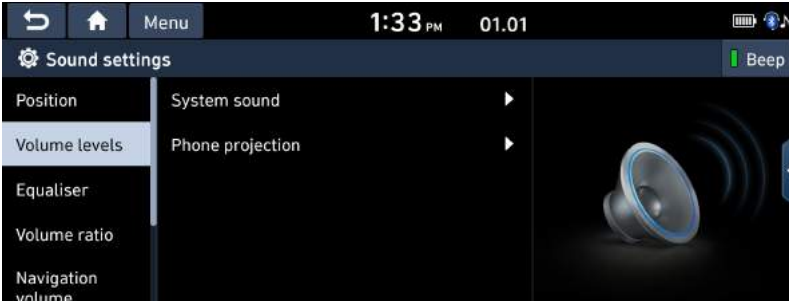
Press [⊕] to concentrate the sound in the centre of the vehicle.

Volume levels

System sound

This menu allows you to set the volume level for [System sound], [Phone projection].

1. Press [SETUP] > [Sound] > [Volume levels] > [System sound].



2. Adjust the [Beep] / [Ringtone] / [Navigation].
3. Press [-] / [+] to control or drag the slide bar to control volume settings.

Note

Press [Reset] to reset the volume level settings.

Phone projection

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

1. Press [SETUP] > [Sound] > [Volume levels] > [Phone projection].



2. Adjust the desired option.
3. Press [−] / [+] to control or drag the slide bar to control volume settings.

! Note

Press [Reset] to reset the volume level settings.

Equaliser

This menu allows you to set the [BASS]/[MID]/[TREBLE].

1. Press [SETUP] > [Sound] > [Equaliser].



2. Adjust the [BASS] / [MID] / [TREBLE].
3. Press [−] / [+] to control or drag the slide bar to control equaliser settings.

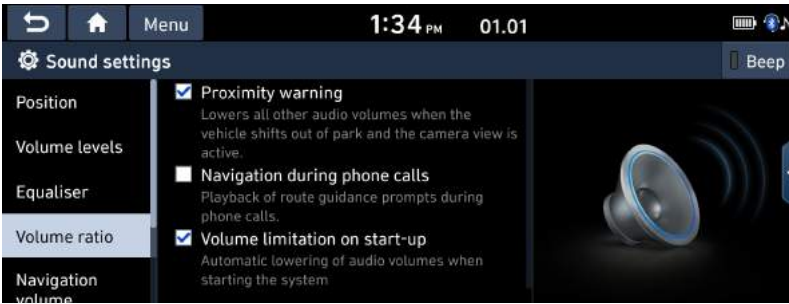
! Note

Press [Centre] to initialize the settings.

Volume ratio

This menu is used to set the volume ratio.

1. Press [SETUP] > [Sound] > [Volume ratio].

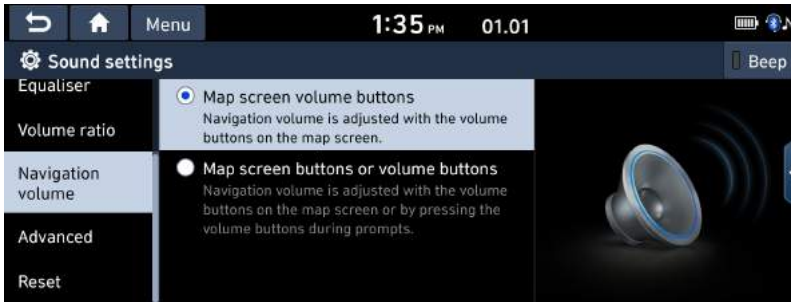


2. Select the desired item.
 - [Proximity warning]: Lowering of audio volume when the shift lever is set to reverse.
 - [Navigation during phone calls]: Playback of route guidance prompts during phone calls.
 - [Volume limitation on start-up]: Limits the volume ratio automatically when starting the system. After you turn the system on, audio volume would not be changed if previous volume was moderate (1~20). After you turn the system on, audio volume would be decreased to 20 if previous volume was too high (more than 20).

Navigation volume

This menu is used to set the navigation volume.

1. Press [SETUP] > [Sound] > [Navigation volume].



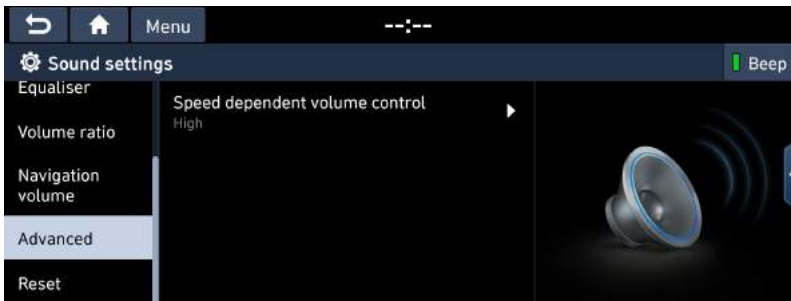
2. Select the desired item.
 - [Map screen volume buttons]: Navigation volume is adjusted with the volume buttons on the map screen.
 - [Map screen buttons or volume buttons]: Navigation volume is adjusted with the volume buttons on the map screen or by pressing the volume buttons during prompts.

Advanced (If equipped)

This menu allows you to set the volume options settings.

Depending on the option, the image may differ from the actual screen.

1. Press [SETUP] > [Sound] > [Advanced].

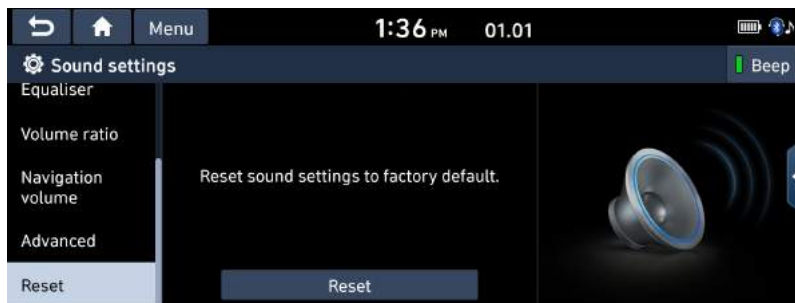


2. Press the desired items.
 - [Speed dependent volume control]: You can set the speed dependent volume control among [High], [Mid], [Low] and [Off] so that it controls the volume according to the speed of the vehicle.

Reset

This menu is used to reset all sound settings.

1. Press [SETUP] > [Sound] > [Reset].



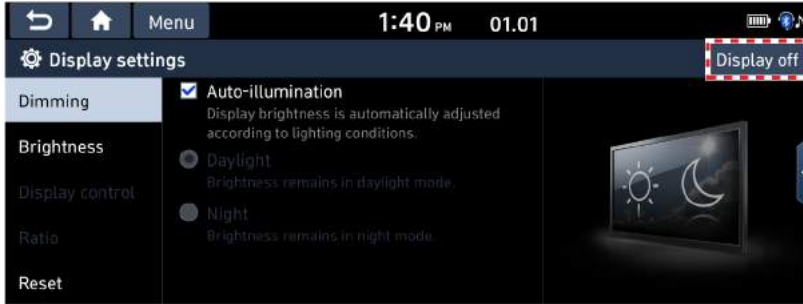
2. Press [Yes].

Display Settings

This menu is used to adjust the illumination and set the dimming mode for the whole system.

Display Off

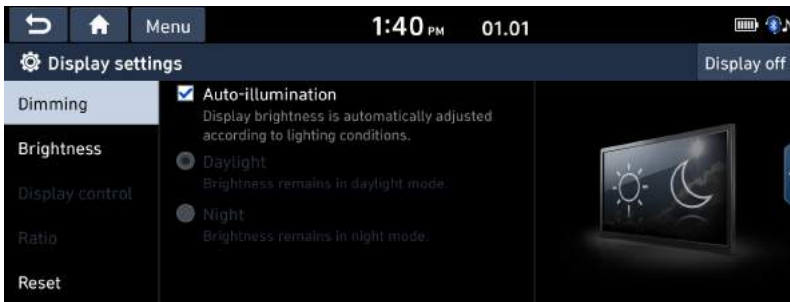
This menu is used to turn the screen off. Press [SETUP] > [Display] > [Display Off].



Dimming

Sets the display brightness according to mode changes.

1. Press [SETUP] > [Display] > [Dimming].



2. Select the desired items.
 - [Auto-illumination]: Adjusts the brightness automatically according to surrounding brightness.
 - [Daylight]: Always keeps the brightness high regardless of surrounding brightness.
 - [Night]: Always keeps the brightness low regardless of surrounding brightness.

Note

To set daylight and night mode, press [Auto-illumination] to uncheck them.

Brightness

This menu is used to set the brightness.

1. Press [SETUP] > [Display] > [Brightness].



2. Select the desired items.
 - [Use illumination Control Switch]: Connection of the display to the cluster's illumination control switch.
 - [Daylight]: If you want to set [Dimming] for Daylight, set the level of display illumination for daylight mode.
 - [Night]: If you want to set [Dimming] for Night, set the level of display illumination for night mode.

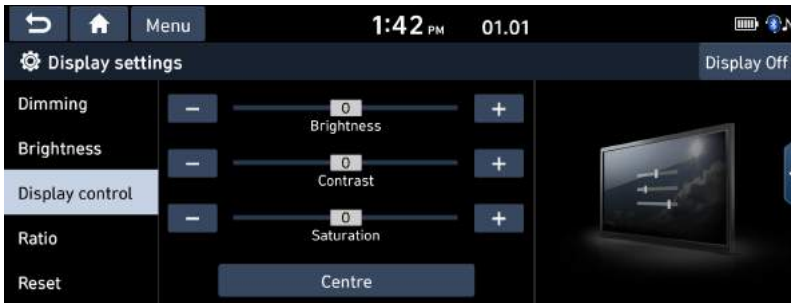
Note

To set daylight and night mode, press [Use illumination Control Switch] to uncheck them.

Display control

This menu can be set during video playback.

1. Press [SETUP] > [Display] > [Display control].



2. Select the desired options.
 - [Brightness]: Adjusts the brightness.
 - [Contrast]: Adjusts the contrast.
 - [Saturation]: Adjusts the saturation.

Note

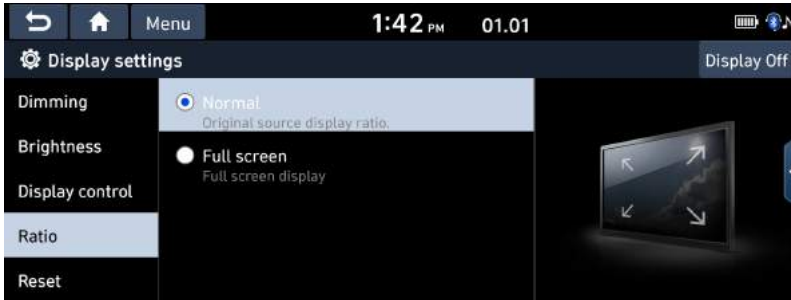
- Press [Centre] to default display control settings.
- This menu is available only when in video mode.

Ratio

Sets the display ratio currently displayed video.

This menu is available only when the video is being displayed.

1. Press [SETUP] > [Display] > [Ratio].



2. Select the desired items.
 - [Normal]: Original source display ratio.
 - [Full screen]: Full screen display.

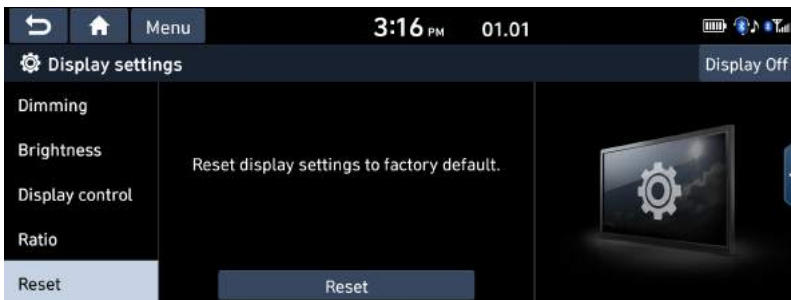
Note

This menu is available only when in video mode.

Reset

Resets the display settings to factory default.

1. Press [SETUP] > [Display] > [Reset].



2. Press [Yes].

Others

Phone Projection

What is Android Auto/Apple CarPlay?

Securely access your smartphone while driving. Various functions of your smartphone are displayed on and operable from the screen of the media device (e.g. navigation, making a call, listening to music etc.).

When connected, an Android Auto/Apple CarPlay icon appears on the screen. Available functions and operations may differ depending on the company model.

For more information, visit the Google or Apple website.

- Google: <http://support.google.com/androidauto/>
- Apple: <http://www.apple.com/ios/carplay/>

Cautions

- Android Auto is a registered trademark of Google Inc.
- Apple CarPlay is a registered trademark of Apple Inc.
- Android Auto and Apple CarPlay are unavailable if the phone OS is not the latest version or if the phone cannot be recognized due to a shutdown caused by a failure or defect in the device itself.
- Your phone may not be recognised if its battery is low. Charge your phone then try again.
- If your phone is shut down due to a defect in the device itself, reset your phone and try again.
- If the USB cable of the Android Auto/Apple CarPlay device is repeatedly disconnected and reconnected in a short period of time, the phone may malfunction. This can also cause a device failure.
- The device recognition time may differ depending on the device type and firmware/OS version.
- Using the USB cable that came with the phone is recommended. (Using a non-genuine product may cause noise or malfunction.)
- Normal operations cannot be guaranteed if the phone is arbitrarily manipulated while Android Auto/Apple CarPlay is active.
- Apple CarPlay can be run while making a call via Bluetooth.
- Android Auto or Apple CarPlay may not operate normally due to mobile phone issues.
- Carrier charges may apply when using Android Auto or Apple CarPlay.
- Some features may not operate normally according to the version of iOS and Android.
- The following problems may occur due to phone-related issues:

[Android Auto]

- Intermittent black screens appear when entering Android Auto.
- Differentiation of phones that support Android Auto and those which do not, may not be possible.
- Black screens appear in some areas of the screen due to app errors.

[Apple CarPlay]

- Intermittent black screens appear when entering Apple CarPlay.
- Black screens appear in some areas of the screen due to app errors when navigating between screens in Apple CarPlay.
- The sound output of a call may be cut upon disconnecting Apple CarPlay during a call via Apple CarPlay.
- If services do not work properly due to problems similar to the specified above, check your phone, and if necessary, reconnect your phone after restarting.

Using Android Auto or Apple CarPlay

1. Make sure only genuine USB cables are used that were provided by the mobile phone's manufacturer.
2. Enter [Android Auto] or [Apple CarPlay] from the Home screen.
3. Now the features such as navigation, music and phone are ready to be used.

NOTICE

- Before connecting your mobile phone, check whether Android Auto or Apple CarPlay is activated in the [Phone connection] menu.
- After connecting the mobile phone, the phone has to be unlocked and the disclaimers on the phone have to be accepted in order to launch Android Auto or Apple CarPlay.
- The screens and features displayed on the infotainment System correspond to the screens and features provided by Google or Apple. They are subject to change according to the policy of the respective company.

NOTICE-Android Auto

- Bluetooth media features will be disabled when Android Auto is activated. After removing the USB cable, these features will be available again.
- If Android Auto is not activated even after a successful connection, follow these steps:
 - Check whether an error occurred on the phone.
 - Check whether Android Auto has been closed on the phone.
 - Check whether Android Auto is activated in the [Phone connection] menu.
- If Android Auto does not work normally even after a reconnection has been made, visit the Google website <http://support.google.com/androidauto>.
- Please refer to the following website to check the available countries for the [Android Auto]. <https://www.android.com/auto/>

NOTICE-Apple CarPlay

- Bluetooth phone/media features will be disabled when Apple CarPlay is activated. After removing the USB cable, these features will be available again.
- If Apple CarPlay is not activated even after a successful connection, follow these steps:
 - Check whether Apple CarPlay is disabled in the iPhones application settings.
 - Check whether Apple CarPlay is activated in the [Phone projection] menu.
- If Apple CarPlay does not work normally even after a reconnection has been made, visit the Apple website <http://www.apple.com/ios/carplay/>
- Please refer to the following website to check the available countries for the [Apple CarPlay]. <http://www.apple.com/ios/feature-availability/>

Using Rear Camera (If Equipped)

About Rear Camera

- Rear camera is a feature for the customers who select option.
- The rear camera provides a view of the rear of the vehicle, when reversing.
- When the shift lever is placed in R with the vehicle's ignition turned on, rear camera will operate.
- If you change the shift lever location from R to another position than P, the rear camera stay turned on. But the rear screen will be remained until you enter the hard key or drive at a speed of 10 km/h or more. (Only if the option to keep rear camera view is supported.)
- On the rear camera screen, the guide line for parking is displayed, moving depending on the direction of the steering wheel.

Turning on the rear camera

When the vehicle is started, put the transmission lever to R position.



Note

The rear camera has a wide angle lens to provide a wide view, so the distance shown on the screen differs from the actual distance. For your safety, always check the rear, left and right views when reversing.

About DRV (Driving Rear View)

This function allows you to view the rear of the vehicle while driving through the rear camera mounted on the vehicle.

Operating DRV

After turning on the engine, put the lever of the transmission in the N or D position and press [Camera switch] to start DRV.


Note

If you drive at about 10 km/h or more during DRV operation, DRV is turned off. At this state, even if you drive at less than about 10 km/h, DRV is remained at OFF state.

About PDW (Parking Distance Warning) (If equipped)

This function displays you a warning when an object is detected around the vehicle.





- To set brightness or contrast, touch the PDW area on the screen and press  when it is displayed. It goes to the brightness / contrast setting mode. You can set the brightness or contrast.
- If there is no control for a while, it goes back to the PDW mode automatically.

About Trailer View Mode (If equipped)

It shows you the view from each other camera.



- To switch the view to the other camera's, touch the camera view area on the screen and press  when it is displayed. It is switched to the view from the other camera.
- If there is no control for a while,  disappears from the screen automatically.

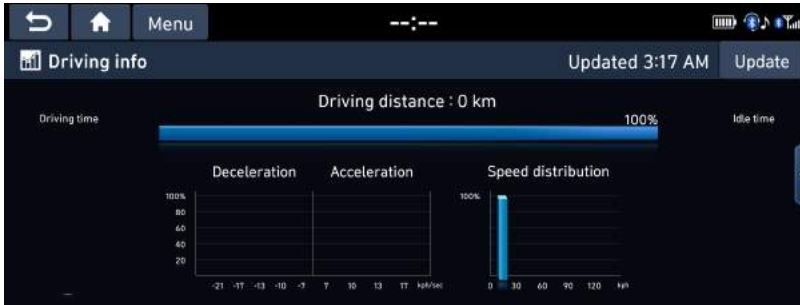
Driving Info

Checking Driving Info

Available when the vehicle is started.

You can check information on Driving/Idling Times, Sudden braking/Acceleration Distributions, Driving Speed and Driving Range.

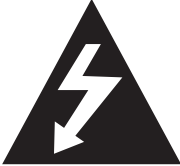

1. Press [Driving Info] on the HOME Screen.



2. Select [Update] to receive the updated information for driving.

Reference

Precautions for Safety

| | | |
|--|---|---|
|  | CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN |  |
| 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. | | |



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 splash ing 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 AV 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 lightning 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 AV system running with the engine stopped. Doing so may discharge the vehicle battery. When you use the AV system, always keep the engine running.
- When the driver wants to operate AV 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: “.smi”, “.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 XR, iPhone XS, iPhone XS Max
- iPhone X
- iPhone 8, iPhone 8 Plus
- iPhone 7, iPhone 7 Plus
- iPhone SE
- 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 HYUNDAI 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: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 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: <ul style="list-style-type: none"> - 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 FAT 16/32, 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.

Trademarks and Licenses

Bluetooth® Wireless Technology



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Specification

AV 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 |
| | Output (Frame Average) | Maximum 1.5 dBm |
| | Number of Channels | 79 |
| Radio | AM | |
| | Tuning Range | 522 kHz ~1620 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.

| Wi-Fi | |
|---------------------|------------------------------------|
| Frequency range | 2412 ~ 2462 MHz 5180 ~ 5240 MHz |
| Specification | IEEE802.11a/b/g/n/ac |
| Supported bandwidth | 20 MHz, 40 MHz, 80 MHz |

Open Source Software Notice

This product contains the open source software detailed below. Please refer to the indicated open source licenses (as are included following this notice) for the terms and conditions of their use.

| Open Source | License | Copyright |
|---------------------------------|---------------------|--|
| acl 2.2.52 | GPL-2.0 LGPL-2.1 | Copyright (C) 1999, 2000 Andreas Gruenbacher, <a.gruenbacher@bestbits.at> |
| alsa-lib 1.1.2 | LGPL-2.1 | |
| alsa-plugins 1.1.0 | GPL-2.0 LGPL-2.1 | Copyright (C) 2006 Nokia Corporation Copyright (c) 2006 by Takashi Iwai <tiwai@suse.de> Copyright (c) 2009 by Peter Stokes <linux@dadeos.co.uk> |
| alsa-tools 1.1.3 | GPL-2.0 | Copyright (C) 2003, Thomas Charbonnel Copyright (c) 2003-2004, Peter Zubaj Copyright (c) 2003, Karsten Wiese Copyright (c) 2004-2007, Rui Nuno Capela |
| alsa-utils 1.0.29 | GPL-2.0 | |
| android-external-f2fs-tools 8.0 | LGPL-2.1 | |
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| base-passwd 3.5.29 | GPL-2.0 | |
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| beecrypt 4.2.1 | LGPL-2.1 | Copyright (c) 2004 X-Way Rights BV Copyright (c) 2004 Beeyond Software Holding BV Copyright (c) 2009 Bob Deblier |

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| bluez 5.43 | GPL-2.0 LGPL-2.1 | Copyright (c) 2000-2001, Qualcomm Incorporated Copyright (c) 2002-2003, Maxim Krasnyansky <maxk@qualcomm.com> Copyright (c) 2002-2010, Marcel Holtmann <marcel@holtmann.org> |
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| ca-certificates 20161130 | GPL-2.0 MPL-2.0 | Copyright (c) 2003 Fumitoshi UKAI <ukai@debian.or.jp> Copyright (c) 2009 Philipp Kern <pkern@debian.org> Copyright (c) 2011 Michael Shuler <michael@pbandjelly.org> Copyright (c) Various Debian Contributors Copyright (c) 1994-2000, Netscape Communications Corporation |
| cairo 1.15.6 | MPL-1.1 | Copyright (c) 2006 Keith Packard Copyright (c) 2007 Adrian Johnson |
| Check 0.10.0 | LGPL-2.1 | Copyright (C) 2001, 2002 Arien Malec |
| Cinematic Experience 1.0 | CC-BY- SA-3.0 | - |
| cmph 2.0 | MPL-1.1 | |
| Common API C++ dbus runtime 3.1.12 | MPL-2.0 | Copyright (c) 2013-2015, Bayerische Motoren Werke Aktiengesellschaft (BMW AG) |
| CommonAPI runtime 3.1.12 | MPL-2.0 | Copyright (c) 2013-2015 Bayerische Motoren Werke Aktiengesellschaft (BMW AG) |
| connman 1.29 | GPL-2.0 | Copyright (c) 2007-2012 Intel Corporation. |
| coreutils 6.9 | GPL-2.0 | |
| cracklib 2.9.5 | LGPL-2.1 | Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk> Original CrackLib author for releases up to v2.7 Copyright (c) Nathan Neulinger <nneul@neulinger.org> version 3.0 modifications and new release |
| dlt-daemon 2.16.0 | MPL-2.0 | Copyright (C) 2011-2015, BMW AG |
| dosfstools 2.11 | GPL-2.0 | (c) 2004-2015 Canonical Ltd |
| e2fsprogs 1.43.4 | GPL-2.0 LGPL-2.1 | Copyright 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010 by Theodore Ts'o |
| elfutils 0.170 | GPL-2.0 | Copyright (c) 1996-2015 Red Hat, Inc. Copyright (c) 2012 Tilera Corporation |
| evtest | GPL-2.0 | |
| faad2 2.7 | GPL-2.0 | Copyright (c) 2003-2005 M. Bakker, Nero AG, http://www.nero.com |

| | | |
|---------------------------------------|---------------------|---|
| flac 1.3.1 | GPL-2.0 LGPL-2.1 | Copyright (C) 2002–2009 Josh Coalson Copyright (C) 2011–2013 Xiph.Org Foundation Copyright (C) 2001 Edmund Grimley Evans <edmund@rano.org> Copyright (C) 2003 Philip Jägenstedt Copyright (C) 2001 David Robinson and Glen Sawyer Copyright (C) 1998–2000 Peter Alm, Mikael Alm, Olle Hallnas, Thomas Nilsson and 4Front Technologies |
| flashrom 0.9.6.1 | GPL-2.0 | |
| gdbm 1.8.3 | GPL-2.0 | Copyright (C) 1990, 1991, 1993 Free Software Foundation, Inc. |
| gdk-pixbuf 2.30.8 | GPL-2.0 LGPL-2.1 | Copyright (C) 1995–1997 Peter Mattis, Spencer Kimball and Josh MacDonald Copyright (C) 1999 The Free Software Foundation Copyright (C) 2000 Red Hat, Inc Copyright (C) 2008 Dominic Lachowicz Copyright (C) 2008 Alberto Ruiz Copyright (C) 2004 Matthias Clasen <mclasen@redhat.com> Copyright (C) 2005 Imendio AB Copyright (C) 2001–2002 convergence integrated media GmbH Copyright (C) 2002 convergence GmbH Copyright (C) 2006 Alexander Larsson <alex@redhat.com> Copyright (C) 1998 Cesar Miquel, Shawn T. Amundson, Mattias Grönlund Copyright (C) 2000 Tony Gale |
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December 9, 2010

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"BTW, I would have rejected the name Story Server because its initials are SS, the name of the secret police in Nazi Germany, probably the most despised pair of letters in western culture." --- <http://scriptingnewsarchive.userland.com/1999/12/13>

Let no one say political correctness isn't dead....

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Julian Seward, jseward@bzip.org bzip2/libbzip2 version 1.0.6 of 6 September 2010

curl

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