Model MTXM100AE

ENGLISH

ESPAÑOL

CAR MULTIMEIDA SYSTEM

USER'S MANUAL

IONIQ

Please read this manual carefully before operating your set and retain it for future reference. Designs and specifications are subject to change without prior notice.

The screens shown in this manual may differ from 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.

HYUNDAI

Rev.2.0

iPod®

iPod® is a registered trademark of Apple Inc.

Bluetooth®

The Bluetooth® Wireless Technology word mark and logos are registered trademarks owned by Bluetooth® Wireless Technology SIG, Inc.

Cortex

Cortex is the name of the ARM Processor Architecture used in the AV System.

Windows Embedded Compact 7

Windows Embedded Compact 7 is an operating system used in the AV System.

Table of Contents

Precautions for safety

Safety notes 6

Key Product Features

Key Product Features 8

Component Names and Functions

Head Unit 9
Steering Wheel 11

Using the System for the First Time

Turning the System On/Off 12
- Turning the System ON 12
- Turning the System Off 12
- AV ON/OFF 12

Resetting the System 12

FM/AM

Basic Screen 13
Listening to FM/AM radio 14
- Auto tuning 14
- Manual tuning 14
- Selecting Presets 14
- Selecting Lists 14

Saving Radio Frequency 15
- Saving Manually 15
- Using Preset Menu 15

Scan 15
- Scanning Radio Frequency 15
- Scanning Preset frequency 15

Sound settings 15

USB

About USB 16

USB Music

Playing USB Music 17
- Searching USB Music Files 17
- Repeat 17
- Shuffle 17
- Scan All 17
- Scan Folder 17

Album Cover 18
List 18
Sound settings 18

USB Video

Playing USB Video 19
- Searching USB Video Files 19
- Repeat 19
- Shuffle 19

List 20
Caption 20
Display settings 20
Sound settings 20

USB Photo

Viewing USB Photo 21
- Switching to menu screen or full screen 21
- Searching USB Image Files 21
- Rotating / Slide show 21

Using the Menu Buttons 22
- Slideshow interval 22
- Display settings 22

iPod® Music

About iPod® 23
Playing iPod® Music 24
- Searching iPod® Music Files 24

Table of Contents

Using the Menu Buttons 24
Setting audiobook playback speed 24
Sound settings 24

AUX

Playing an AUX source 25
Using the Menu Buttons 25

Bluetooth® Audio

Before playing the Bluetooth® audio 26
Playing Bluetooth® audio 26
Searching Bluetooth® Audio Files 26
Using the Menu Buttons 26

Bluetooth® Wireless Technology

Before Using the Bluetooth® Handsfree 27
What is Bluetooth® Wireless Technology? 27
Precautions for Safe Driving 27
Cautions upon Connecting Bluetooth® Phone 27

Bluetooth® Connection

When no Phones Have Been Paired 28
Pairing from the Bluetooth® Device 28
When a Phone is Already Paired 29
When your phone is connected 29

Bluetooth® Phone

Making/Answering Calls 30
Calling by Dialing a Number 30
Making a Call from Speed Dial 30
Calling through Redial 30
Answering a Call 30
Rejecting a Call 30
Operating Menus during a Call 31
Ending a Call 31
Switching Call to Bluetooth® Phone 31
Making 3 way call 31
Using the Menu Buttons 32
Contacts 32
Updating Mobile Phone Contacts 32
Making a call from contacts 32
Searching for contacts 32
Calling list 33
Viewing Calling lists 33
Favourites 33
Calling Favourites 33
Saving to Favourite 33
Deleting Favourites 34
Changing the Favourites name 34
Bluetooth® settings 34

Android Auto™

About Android Auto™ 35
Precautions 35
What you need? 35
Before starting Android Auto™ 36
Installing the Android Auto™ Application 36
Setting the system 36
Starting mode 36
Home Screen 37
Talk to Google 38
Return to your car's Media screen 38
Return to the Android Auto Home screen 38

Apple CarPlay

About Apple CarPlay 39
Precautions 39
What you need? 39

Table of Contents

Before starting Apple CarPlay 39
Setting Siri on the iPhone 39
Setting the system 39
Starting mode 40
Home Screen 40
Speak to Siri 41
Open an app 41
Return to the CarPlay Home screen 41
Return to your car's screen 41
View additional apps 41
Return to a phone call or to turn-by-turn directions 41
View and control the current audio source 41

Setup

Starting mode 42
Sound 42
Sound Balance 42
Variable EQ 42
Volume setting 42
Beep 43
Display 43
Brightness 43
Dimming mode 44
Bluetooth® settings 44
Bluetooth® connection 44
Ringtone 45
Change passkey 45
Changing device name 45
Auto Connection Priority 46
System 46
Language 46
Clock 46
Factory settings 47
Connectivity 47

Specification

USB MP3 Specification 48
Video and Image Specification 48

Trouble shooting

Trouble shooting 49

Limited Warranty

LIMITED WARRANTY 52

Safety notes

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 hand brake is on.

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

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

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

Do not drop it and avoid heavy impacts at anytime.

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

Precautions for safety

WARNING:

- Do not stare at the screen while driving. Staring at the screen for prolonged periods of time could lead to traffic accidents.
- 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 lightening as such acts may lead to lightning induced electric shock.
- Do not stop or park in parking-restricted areas to operate the product. Such acts could lead to traffic accidents.
- The video screen will not operate when the vehicle is in motion. For your safety, first park the vehicle to watch or view the screen.
- Some Non-video features may also not operate when the vehicle is in motion. These features will operate only when the vehicle has been parked.

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.

Key Product Features

Button	Description
Display	**Wide TFT-LCD Display** Provides high quality video through a Wide TFT-LCD Display using an LED Back Light.
Radio	**Digital Tuner Feature** Digital Tuner using PPL method that supports memory of 20 broadcast stations for each AM and FM modes. **Radio broadcast station name** Displays broadcast station names for key locations.
Multimedia Player	**Support for various Media Formats** Support for various media formats, including Radio, MP3, USB, iPod®, AUX and Bluetooth® Audio Streaming modes.
Miscellaneous	**Bluetooth® Wireless Technology** Convenient use of Bluetooth® Handsfree by using buttons within the steering wheel remote controller.
	Digital Screen Control Features Easy control of features through touch screen options.
	Steering Wheel Remote Controller Control over audio features and Bluetooth® through the steering wheel remote controller for maximum convenience.
	Android Auto™ Android Auto™ brings the most useful apps from your phone to your vehicle´s screen, optimized for easy glancing and control while driving.
	Apple CarPlay CarPlay puts key iPhone apps - the ones you want to use while driving - on your car's built-in display. With CarPlay, you can get turn-by-turn directions, make phone calls, exchange text messages, listen to music, and more.

Component Names and Functions

Head Unit

Name	Description
1 Power / Volume Knob	• Power on When power is off, press to turn power on. • Power off When power is on, press and hold to turn power off. • Audio off When power is on, press to turn Audio off. • Turn left/right to control volume.
2 Reset	Resets the system.
3 HOME	Press to move to the home menu screen.
4 RADIO	• Operates FM/AM mode. • Each time the key is pressed, mode is changed in order of FM ▶ AM ▶ FM.
5 PHONE	Takes user to phone screen.

Head Unit

Name	Description
6 SEEK / TRACK	**When the SEEK, TRACK keys are pressed shortly.** • In FM/AM mode, searches broadcast frequencies. • In Media mode, changes the track, file or chapter. **When the SEEK, TRACK keys are pressed and held.** • FM/AM mode : automatically searches broadcast frequencies and channels. Once released, searches and begins playing the next broadcast frequency. • Media mode: rewinds or fast forwards the track or file(except AUX).
7 MEDIA	• Operates available media (USB, iPod®, Bluetooth® Audio, AUX). • If the media is not connected, corresponding modes will be disabled.
8 DISP	Turns off the screen.
9 SETUP	Displays the Setup mode.
9 Tune / ENTER Knob	• FM/AM mode : changes the frequency. • MEDIA (USB/ iPod®) mode : changes the track, file or title (except AUX).

Component Names and Functions

Steering Wheel

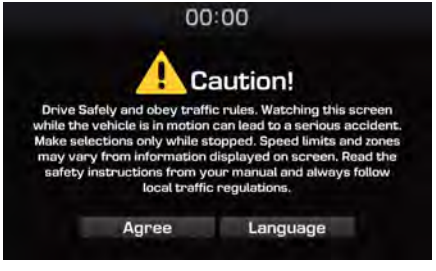
Button	Description
1 + VOL -	Controls the volume.
2 ∧ ∨	**When keys are pressed shortly.** • FM/AM mode: plays previous/next preset channel if it is saved. • Media mode: changes the track, file or chapter. **When keys are pressed and held.** • In FM/AM mode: changes frequencies while pressed. Upon release, scans and receives the next frequency. • Media mode: rewinds or fast forwards the track or file.

Button	Description
3	Mutes the sound.
4	• Operates FM ▶ AM ▶ Available Media (USB Music/USB Video/iPod/Bluetooth Audio/AUX). • If the media is not connected, corresponding modes will be disabled. • Press and hold the key to turn the Audio system on/off. • When power is off, press the key to turn power back on.
5	**When pressed shortly.** • When pressed in the phone screen, displays the last call. • When pressed in the dial screen, makes a call. • When pressed in the incoming call screen, answers the call. • When pressed during single call, switches call back to mobile phone (Private). • When pressed during 3way call, swap call. • When pressed twice, redials the last call. **When pressed and held.** • When pressed during a Bluetooth® Handsfree call, switches call back to mobile phone (Private). • When pressed while calling on the mobile phone, switches call back to Bluetooth® Handsfree (Operates only when Bluetooth® Handsfree is connected). • When pressed, redials the last call.
6	• When pressed during a call, ends the phone call. • When pressed in the incoming call screen, rejects the call.

Turning the System On/Off

Turning the System ON

Press the engine start button. If the brakes are not pressed, then the ACC and system will turn on. If the brakes are pressed, then the IGN and system will turn on and the ignition will start. In both instances, the following safety warning will be displayed.



Pressing the PWR key on the head unit will display the safety warning page.
Press the Agree button to display the most recent mode.

Turning the System Off

Press the engine start button again or press and hold the power key on the head unit to turn the system off.

NOTE

- If the system is turned off while the Handsfree is being used, then the call will automatically switch back to the mobile phone.

AV ON/OFF

Press the PWR key on the head unit when the AV is on. Press the PWR key or press the menu key to turn on AV.

While AV is turned off, the SEEK, TRACK key and the TUNE / ENTER knob will be disabled.

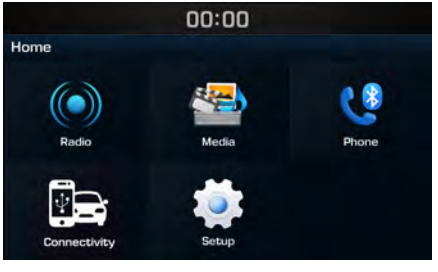
Resetting the System

This feature is used to reset the system in the occurrence of an unforeseen error or problem.

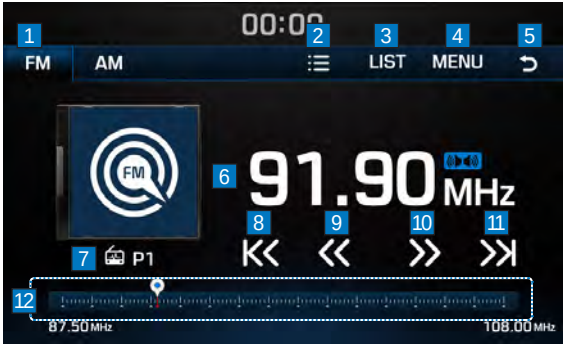
Press and hold the RESET key for about 1 second. (The use of a clip or pin is recommended when resetting the system.)

Home Screen

Press the HOME key ▶ Press the menu icon you want to use.



Basic Screen



Button	Description
1 Mode tab	Press the tab to change between FM and AM mode.
2 Preset button	Displays the Preset List.
3 LIST button	Displays automatically updated lists.
4 MENU button	Displays List, Preset, Scan, Preset scan and Sound settings menus.
5 Back button	Moves to the previous screen.
6 Frequency	Displays the current frequency.
7 Preset No.	Displays the current preset number.
8 Seek down	Single tap: seek down. Long tap: fast seek down.
9 Tune down	Single tap : tune down. Long tap: tune down until the button is released and plays the current frequency.
10 Tune up	Single tap : tune up. Long tap: tune up until the button is released and plays the current frequency.
11 Seek up	Single tap: seek up. Long tap: fast seek up.
12 Frequency bar	Use the tap to move to the desired frequency.
13 List	Displays automatically updated lists.
14 Preset	Displays saved presets for user selection.
15 Scan	Plays frequencies with superior reception for 3 seconds each.
16 Preset Scan	Plays frequencies saved to presets for 3 seconds and moves to the next saved frequency.
17 Sound settings	Sets sound related settings.

Listening to FM/AM radio

Press the RADIO key to change the mode in order of FM ▶ AM ▶ FM .

Auto tuning

Press the SEEK , TRACK key or press the I<< >>I button to automatically search for frequencies.

Manual tuning

Turn the TUNE / ENTER knob or press the << >> button to manually select the frequency. The stations move up and down step by step. Press or drag the frequency bar to search for frequencies that you want.

Selecting Presets

Press the MENU button ▶ Press the Preset button. From the presets, select the frequency you want to listen to.

Selecting Lists

Press the MENU button ▶ Press the List button.
From the lists, select the frequency you want to listen to.

FM lists are automatically updated.
AM lists are manually updated by pressing ( ).

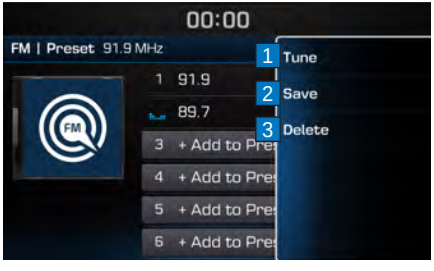
Saving Radio Frequency

Saving Manually

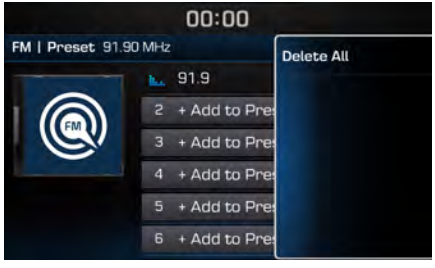
After selecting frequency ▶ Press the LIST button ▶ Press the + Add to Preset .

Using Preset Menu

Press and hold the preset list you want to edit.



Button	Description
1 Tune	listens to frequency selected.
2 Save	overwrites frequency listening to currently.
3 Delete	deletes frequency.



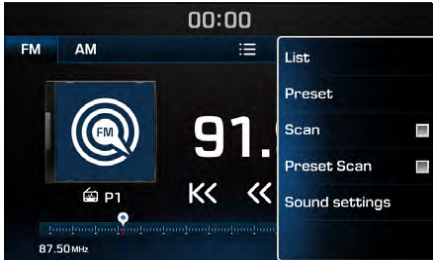
NOTE

- Press the ☰ button ▶ Press the MENU button ▶ Press the Delete all to delete entire list of presets.

Scan

Scanning Radio Frequency

Press the MENU button ▶ Press the Scan .



Starting from the current frequency, frequencies with superior reception are scanned for 3 seconds and the previous frequency is restored.

Scanning Preset frequency

Press the MENU button ▶ Press the Preset Scan .

Plays frequencies saved to presets for 3 seconds and moves to the next saved frequency.

NOTE

- When the scan is operating, pressing the controller will stop the function and return to the stopped station.

Sound settings

Press the MENU button ▶ Press the Sound settings .

For details, refer to the "Sound" on the page 42.

About USB

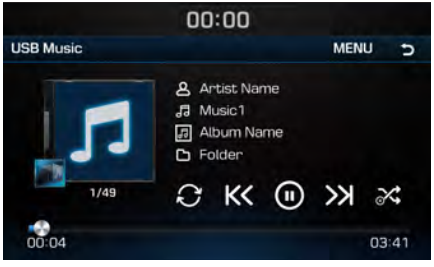
Connect the USB device after turning on the engine. The USB device may become damaged if it is already connected when the ignition is turned on.

- Files that are not standard format files will not be played.
- For MP3/WMA files, only music files with compression rates between 8 Kbps ~ 320 Kbps can be played.
- Heed caution to static electricity when connecting/disconnecting external USB devices.
- Encoded MP3 Players will not be recognized when connected as an external device.
- When connecting an external USB device, the device may not properly recognize the USB is in some states.
- Only USB devices formatted as FAT 12/16/32 are supported, and NTFS file system is not supported.
- Some USB devices may not be supported due to compatibility issues.
- Avoid contact between the USB connector with bodily parts/foreign objects.
- Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- Insert USB device after starting the car. If the car is started while USB device is inserted, it may damage USB device.
- The amount of time required to recognize 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 recognize the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the multimedia terminal of the vehicle.
- When application programs are installed to specific USBs, files may not properly play.
- The device may not operate normally if MP3 Players, cellular phones, digital cameras, or other electronic devices (USB devices not recognized 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 besides 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 recognized.

USB Music

Playing USB Music

Once a USB is connected, USB Music mode will operate automatically.
Press the HOME key ▶ Press the Media button ▶ Press USB Music button ▶Press the Play button to play USB music.



NOTE

- If the USB is not connected, or there is no media file in USB then the USB media button will be disabled.

Searching USB Music Files

While playing ▶ Press the SEEK, TRACK key or the I<< >>I button to play the previous/next file.

- Pressing and holding the SEEK, TRACK key or the I<< >>I button will rewind or fast forward the current file.
- While the SEEK, TRACK key or the I<< >>I button is being pressed, the track will rewind or fast-forward at high speeds. Once the key is released, the USB Music will begin playing at normal speed.

NOTE

- Turn the TUNE / ENTER knob to select the previous/next file. This key will not rewind or fast-forward the file.

Repeat

Press the button.
Each time the button is pressed, the option is changed from Repeat Folder( ) ▶ Repeat One( ) ▶Off(Repeat All( )).

Shuffle

Press the button.
Each time the button is pressed, the option is changed from Shuffle All( ) ▶ Shuffle Folder ( ) ▶ Off( ).

Scan All

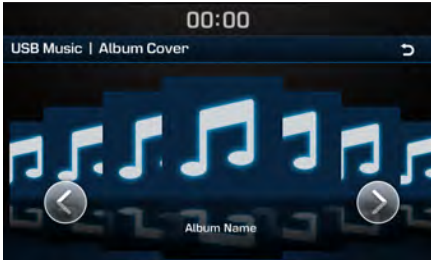
Press the MENU button ▶ Press the Options ▶ Press the Scan All to scan files within the USB in random order.

Scan Folder

Press the MENU button ▶ Press the Options ▶ Press the Scan Folder to search files within the current folder.

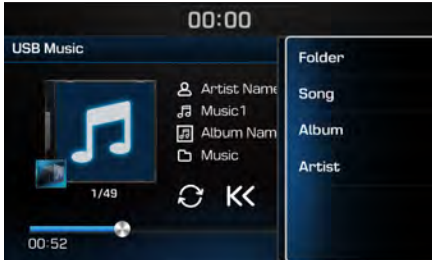
Album Cover view

Press the button ▶ Press the button to search desired album.



List

Press the MENU button ▶ Press the List button to display USB Music list screen.



It is possible to search by Folder, Song, Album and Artist.

Sound settings

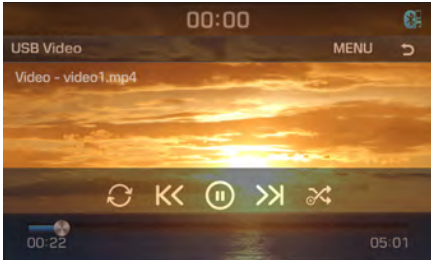
Press the MENU button ▶ Press the Options ▶ Press the Sound settings .

For details, refer to the "Sound" on the page 42.

USB Video

Playing USB Video

Once a USB is connected, USB Video mode will operate automatically.
Press the HOME key ▶ Press the MEDIA button ▶ Press USB Video button ▶ Press the Play button to play USB Video.



NOTE

- If the USB is not connected, or there is no media file in USB then the USB media button will be disabled.

Searching USB Video Files

While playing ▶ Press the SEEK, TRACK key or I<< >>I button to play the previous/ next file.

- Pressing and holding the SEEK, TRACK key or I<< >>I button will rewind or fast forward the current file.
- While the SEEK, TRACK key or I<< >>I button is being pressed, the track will rewind or fast-forward at high speeds. Once the key is released, the USB Video will begin playing at normal speed.

NOTE

- Turn the TUNE / ENTER knob to select the previous/ next file. This key will not rewind or fast-forward the file.

Repeat

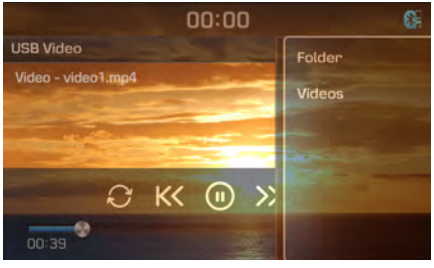
Press the button.
Each time the button is pressed, the option is changed from Repeat Folder( ) ▶ Repeat One( ) ▶Off(Repeat All( ).

Shuffle

Press the button.
Each time the button is pressed, the option is changed from Shuffle All( ) ▶ Shuffle Folder ( ) ▶ Off( ).

List

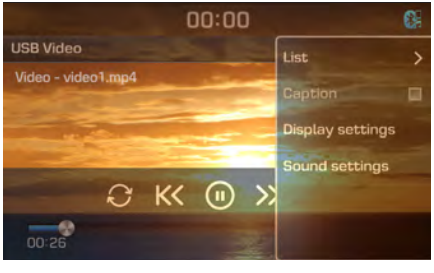
Press the MENU button ▶ Press the List button to display USB Video list screen.



It is possible to search by Folder and Videos.

Caption

Press the MENU button ▶ Press the Caption button to display caption on USB Video screen.



Display settings

Press the MENU button
▶ Press the Display settings .

Press the Reset button to initialize the settings.

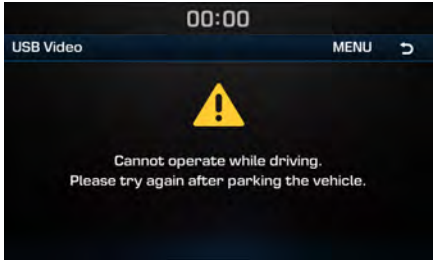
Press the button to set "Brightness" and "Dimming mode".
For details, refer to the "Display" on the page 43.

Sound settings

Press the MENU button
▶ Press the Sound settings .
For details, refer to the "Sound" on the page 42.

NOTE

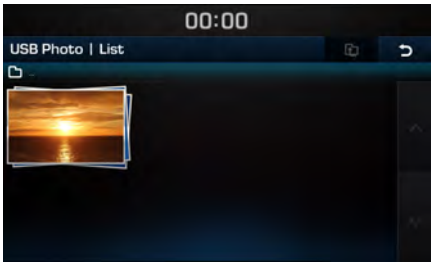
- USB Video is not available while driving.
  (Because of traffic regulations, videos is only available when your vehicle is parked.)



USB Photo

Viewing USB Photo

Press the HOME key ▶ Press the Media button ▶ Press USB Photo button ▶ Press the desired photo in List screen.

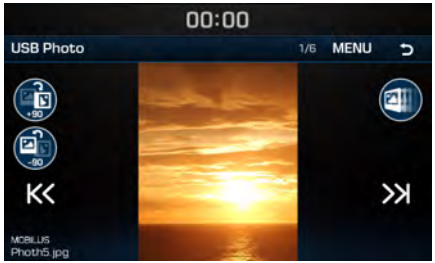


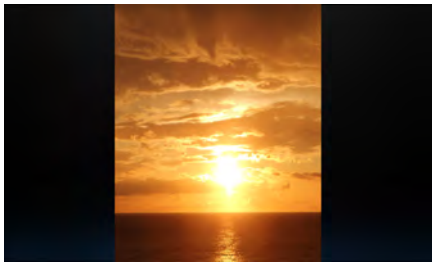
NOTE

- If the USB is not connected, or there is no media file in USB then the USB media button will be disabled.

Switching to menu screen or full screen

Press the photo to view with full screen.
Press the photo once more to return to the menu screen.





NOTE

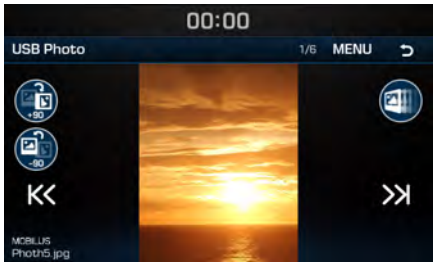
- In full screen, images can be zoomed in/out by up to 300%.
- Press ↩ to move to the List screen.

Searching USB Image Files

Press the I<< >>I button or turn the TUNE / ENTER knob to view the previous/next image.
Press ↩ to view the list of USB photos.

Rotating / Slide show

Press the buttons to rotate image.
Press the button to view slide show.

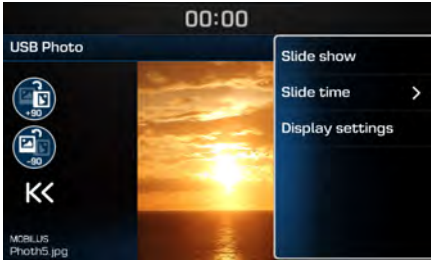


NOTE

- Press ↩ to move to the previous screen.

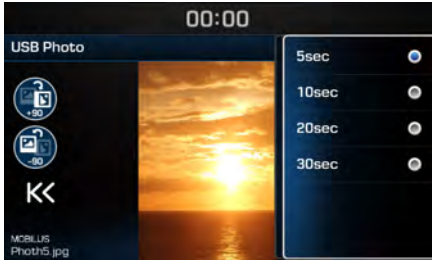
Using the Menu Buttons

Press the MENU button to set Slide show, Slide time and Display settings menus.



Slideshow interval

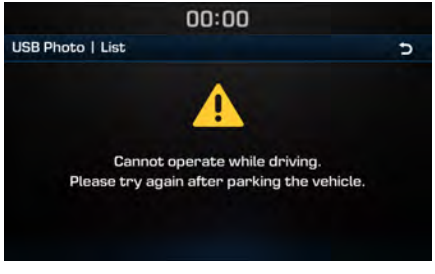
Press the MENU button ▶ Press the Slide time button.



Slide show intervals can be set at 5 sec , 10 sec , 20 sec , or 30 sec intervals.

NOTE

- Slideshow is not available while driving. (Because of traffic regulations, image is only available when your vehicle is parked.)



Display settings

Press the MENU button ▶ Press the Display settings button.

For details, refer to the "Display" on the page 43.

iPod® Music

About iPod®

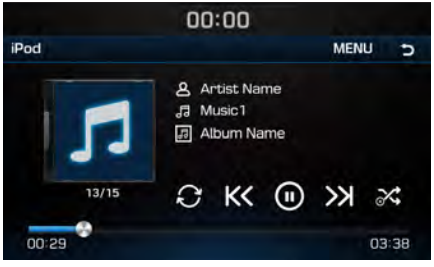
iPod® is a registered trademark of Apple Inc.

- Some iPod®s with unsupported communication protocols may not properly operate with the system.
- If the iPod® malfunctions due to an iPod® device defect, reset the iPod® and try again. (To learn more, refer to your iPod® manual.)
- During ACC ON state, connecting the iPod® through the iPod® cable (The cable that is supplied when purchasing iPod®/iPhone product.) will charge the iPod® through the system.
- The use of genuine iPod® cables supplied by Apple is recommended. (The use of other products may result in noise or abnormal operation.)
- Within iPhones, streaming audio and iPod® control may occasionally conflict. If problems persist, remove the iPhone and connect again.
- Use iPod® with complete synchronization to iTunes. Unauthorized song addition may cause abnormal operation.
- If iPod® and Bluetooth® are connected simultaneously with the same iPhone, you cannot use Bluetooth® audio function.
- If iPod® touch or iPhone is used, iOS4.2 or a later version is recommended.

Playing iPod® Music

Once a iPod® is connected, iPod® Music mode will operate automatically.

Press the HOME key ▶ Press the Media button ▶ Press iPod Music button.



- Press the ▶ button to play files saved within the iPod® device.
- Press the ⏸ button to pause the file.

NOTE

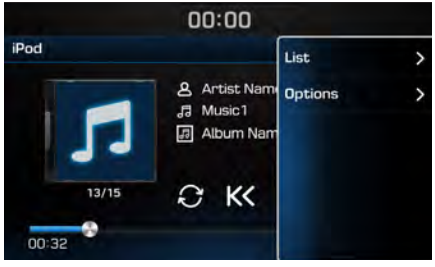
- If the iPod® is not connected, or there is no media file in iPod® then the iPod® Music button will be disabled.

Searching iPod® Music Files

You can play the previous or next file.
For details, refer to the page 17.

Using the Menu Buttons

Press the MENU button to set List and options menus.

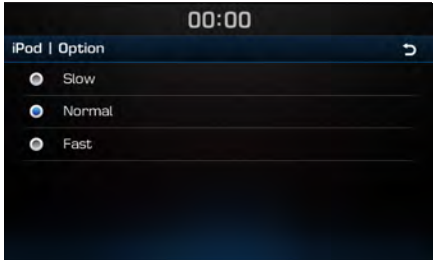


For details, refer to the "List" on the page 18.

Setting audiobook playback speed

Setting the playback speed only affects audio books purchased from the iTunes store or audible.com.
For details about iPod®, refer to the iPod® User Guide.

Press the MENU button ▶ Press the Options ▶ Press the Audiobook.



Sound settings

Press the MENU button ▶ Press the Options ▶ Press the Sound settings.

For details, refer to the "Sound" on the page 42.

AUX

Playing an AUX source

If an external device connector is connected with the AUX terminal, then AUX mode will automatically operate.

Press the HOME key ▶ Press the Media button ▶ Press the AUX button to play auxiliary device while a different source is playing.

Using the Menu Buttons

Press the MENU button to set Sound.

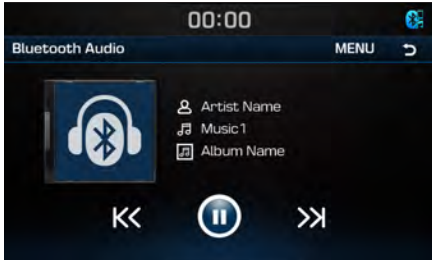
For details, refer to the "Sound" on the page 42.

Before playing the 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 or Bluetooth® audio device 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 user's manual Bluetooth® Connection on page 28.
- 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, either the Bluetooth® handsfree or the Bluetooth® audio function. For example, if you convert to the Bluetooth® handsfree while playing Bluetooth® audio, the music stream is interrupted.
- Playing music from the car is not possible when there are no music files saved in the mobile phone.

Playing Bluetooth® audio

Press the HOME key ▶ Press the Media button ▶ Press the Bluetooth Audio button.



- Press the ▶ button to play files saved within the Bluetooth® phone.
- Press the II button to pause the file.

Searching Bluetooth® audio Files

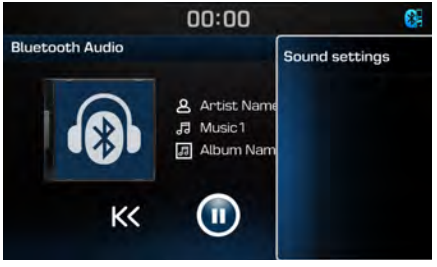
You can play the previous or next file.
For details, refer to the page 17.

NOTE

- The title/artist info may not be supported in some mobile phones. When it is not supported, only the symbol will be displayed.
- The play/pause feature may operate differently depending on the mobile phone.

Using the Menu Buttons

Press the MENU button to set List and Sound settings menus.



For details, refer to the "Sound" on the page 42.

Before Using the Bluetooth® Handsfree

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® Handsfree refers to a device which allows the user to conveniently make phone calls with Bluetooth® mobile phones through the Multimedia system.
- The Bluetooth® Handsfree feature may not be supported in some mobile phones.

Precautions for Safe Driving

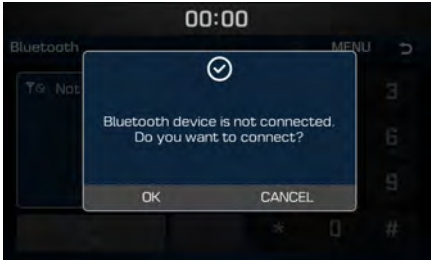
- Bluetooth® Handsfree is a feature that enables drivers to practice safe driving. Connecting the head unit with a Bluetooth® phone allows the user to conveniently make calls, receive calls, and manage the phone book. Before using Bluetooth® Wireless Technology, carefully read the contents of this user's 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 connecting 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.

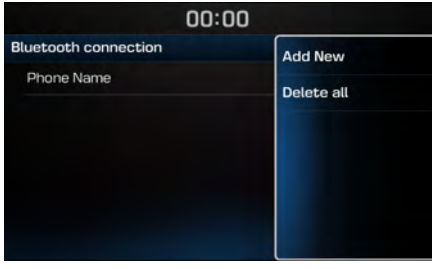
When no Phones Have Been Paired

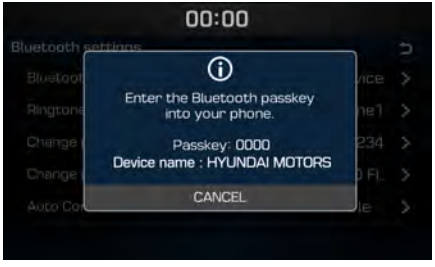
Press the key on the steering wheel or press the PHONE key ▶ Press the OK .



Pairing from the Bluetooth® Device

Press the MENU button ▶ Press the Add New .



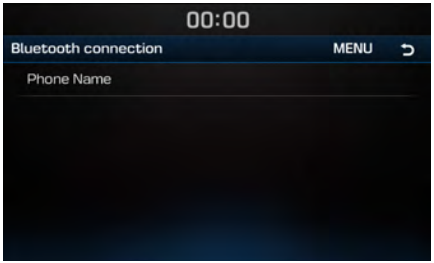


From the Bluetooth® device, search for the car name and pair the device. When searching from the Bluetooth® device, the car name is HYUNDAI MOTORS and the default passkey is '0000'.

Bluetooth® Connection

When a Phone is Already Paired

Press the key on the steering wheel or press the PHONE key ▶ Press the OK ▶ Press the phone name to pair ▶ Press the YES.



NOTE

- 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.

When your phone is connected

Press the key on the steering wheel or press the PHONE key on the head unit to display the following screen.

NOTE

- Once Bluetooth® connection is successful, the name of the connected mobile phone will be displayed on the phone screen and Bluetooth® handsfree functions will be ready to be operated.
- Some functions may not be supported due to limited Bluetooth® compatibility between the car system and mobile phone.

Making/Answering Calls

Calling by Dialing a Number

Enter number on the Dial Pad ▶ Press the button or the key on the steering wheel.

NOTE

- If you press the wrong number, press to delete one digit of the entered number. Press and hold the dial pad 0 "+" to enter a "+".
- Press the button to search phone numbers. For detail, refer to the "Searching for contacts " on the page 32.

Making a Call from Speed Dial

Enter the 1 or 2 digit speed dial number with the Dial Pad ▶ Press and hold the last number.

Calling through Redial

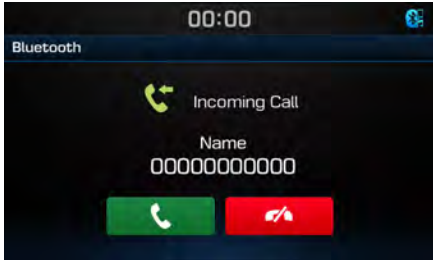
Press and hold the button or Press the key on the steering wheel twice.

NOTE

- Redialing is not possible when there is no dialed calls list.

Answering a Call

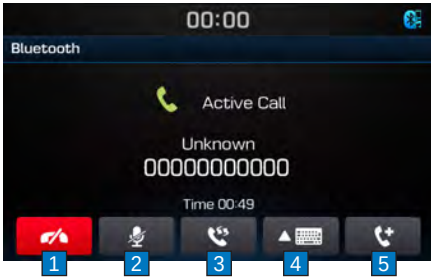
Incoming call notice ▶ Press the button or the key on the steering wheel.



Rejecting a Call

Incoming call notice ▶ Press the button or the key on the steering wheel.

Operating Menus during a Call



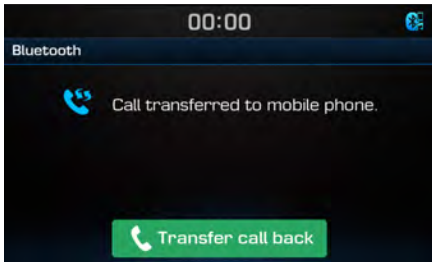
Button	Description
1	Ends a call.
2	Turns the Mic On/Off.
3	Switches a voice call from the car handsfree to the mobile phone.
4	Display dial pad screen for entering ARS numbers.
5	3 Way call.

Ending a Call

While on a call ▶ Press the button or the key on the steering wheel.

Switching Call to Bluetooth® Phone

During handsfree call ▶ Press the button or press and hold the key on the steering wheel.



During call on mobile phone ▶ Press the Transfer call back button or press and hold the key on the steering wheel.

Making 3 way call

While on a call ▶ Press the button. ▶ Press phone number you want to make a call ▶ Press the button.

Using the Menu Buttons

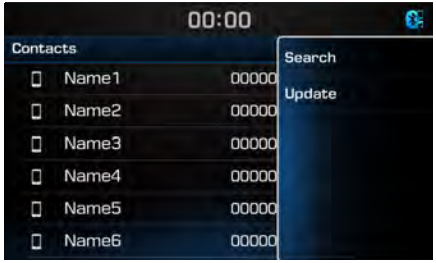
In Phone screen ▶ Press the MENU button to use Contacts , Calling list , Favorites , Bluetooth® settings.

Contacts

Updating Mobile Phone Contacts

Up to 5,000 mobile phone contacts can be updated.

In Contacts screen ▶ Press the MENU button ▶ Press the Update .



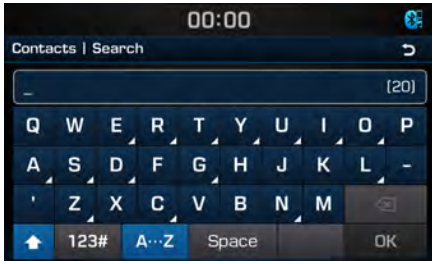
The contacts are deleted and the contacts of the connected phone is updated.

Making a call from contacts

In Contacts screen ▶ Press the contact you want to call.

Searching for contacts

In Contacts screen ▶ Press the MENU button ▶ Press the Search ▶ Enter the name ▶ Press the OK ▶ Press the contact you want to call.



Calling list

Viewing Calling lists

In Phone screen ▶ Press the MENU button ▶ Press the Calling lists .

Press the MENU button on Calling list screen.

Button	Description
1 All	Displays all calling list.
2 Missed	Displays the missed calling list.
3 Received	Displays the incoming calling list.
4 Dialed	Displays the outgoing calling list.

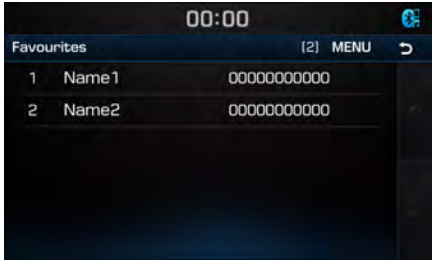
NOTE

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

Favourites

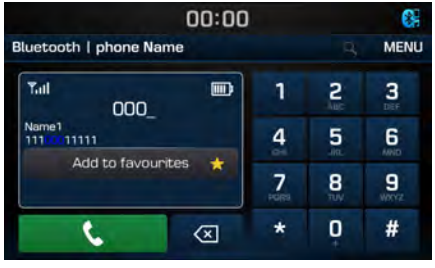
Calling Favourites

In Phone screen ▶ Press the MENU button ▶ Press the Favourites ▶ Press the Favourite you want to call.

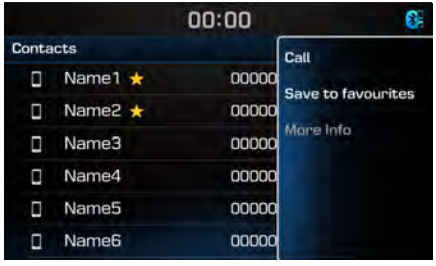


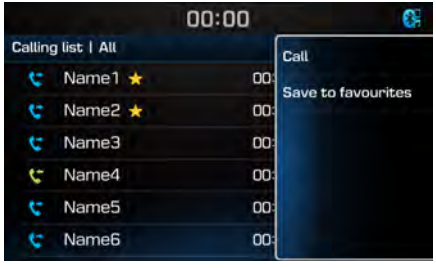
Saving to Favourite

In Phone screen ▶ Press the Add to favourites button.



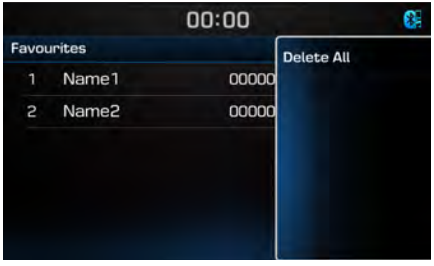
In Contacts screen or Calling list screen ▶ Press and hold the contact you want to save ▶ Press the Save to Favourites .





Deleting Favourites

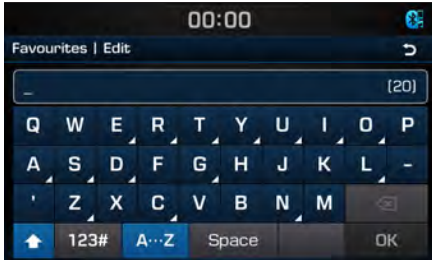
In Favourites screen ▶ Press the MENU button ▶ Press the Delete all ▶ Press the OK .



In Favourites screen ▶ Press and hold the favourite you want to delete ▶ Press the Delete ▶ Press the OK .

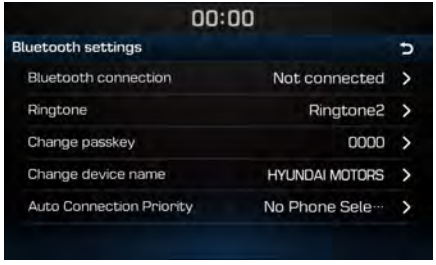
Changing the Favourites name

In Favourites screen ▶ Press and hold the favourite you want to change ▶ Press the Rename ▶ Enter the name ▶ Press the OK .



Bluetooth® settings

In Phone screen ▶ Press the MENU button ▶ Press the Bluetooth settings .



For details, refer to the "Bluetooth®" on the page 44.

About Android Auto™

Android Auto™ brings the most useful apps from your phone to your vehicle´s screen, optimized for easy glancing and control while driving. You will be able to control things like navigation, maps, calls, text messages, and music, all from your vehicle´s screen.

To learn about Android Auto™ and its features, visit the Android website at http://www.android.com/auto/

NOTE

- You can verify countries that support Android Auto through the website. This feature is unavailable in non-supported countries.
- Availability in supported countries may change without prior notice.

Precautions

- Android Auto™ extends the Android platform from your mobile phone into the car. When users connect their handheld devices running Android 5.0 or higher to a compatible vehicle, the Android Auto™ user interface provides a car-optimized Android experience on the car screen. Users may interact with compatible apps and services through voice actions and the car input controls.
- Android Auto™ will be unavailable if the version of communication protocol is not supported or your mobile phone is unable to be recognized due to a shutdown caused by a failure or defect in the device.
- If you repeatedly connect and disconnect the USB cable on the device in a short period of time, your phone may malfunction. This can also cause a device failure.
- With your mobile phone connected, Android Auto™ will appear on the car display. Available functions and operations may differ depending on the company model.
- Make sure the vehicle gear is in park and that you have time to set up Android Auto™ before driving and that you have time to set up Android Auto™.
- Android Auto™ features may operate differently than on your phone.
- Message and data charges may apply when using Android Auto™. Please check with your mobile phone company.
- Android Auto™ relies on the performance of your phone. If you experience performance issues:
  - Close all apps and then restart them
  - Disconnect and then reconnect your phone
- Using the micro USB cable that was provided with your phone is recommended.

Android Auto help:
support.google.com/androidauto

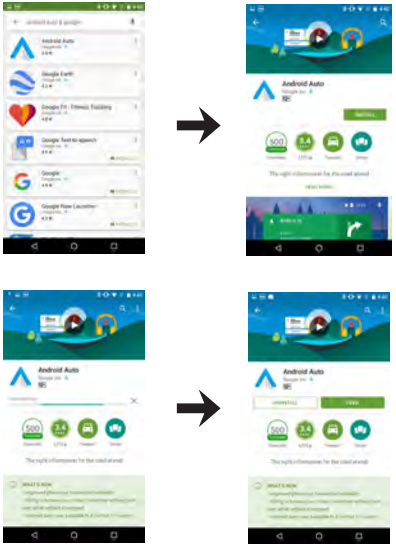
What you need?

1. An Android phone running Android 5.0 (Lollipop) or higher with a data plan.
2. A vehicle that's compatible with Android Auto™.
3. A USB cable.

Before starting Android Auto™

Installing the Android Auto™ Application

Install Android Auto™ Application by following below procedure.

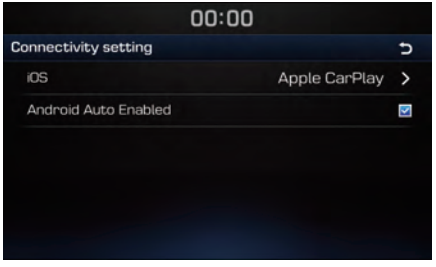


※ The screens shown in this manual may differ from the actual screens of Android phone.

Setting the system

Before connecting your mobile phone, check whether Android Auto™ is set to be used in Setup ▶ Connectivity .

Check the Android Auto Enabled box ▶ Press OK to turn the feature on.

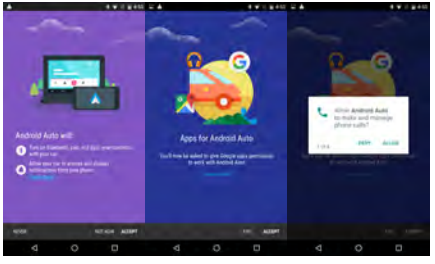


NOTE

- The use of Android Auto™ can generate charges from your service provider for the use of applications that consume data.
- Android Auto™ is a registered trademark of Google, Inc.
- The design and the specifications of this guide is subject to change without notice.
- The screens that are shown in this manual can be different to the real screens of the product.

Starting mode

1. Unlock your mobile phone screen.
2. Connect your mobile phone to your vehicle using an original USB cable.
3. Touch [Accept] to turn on notifications in Android Auto™.
4. Updating mobile applications such as Google Maps is recommended.



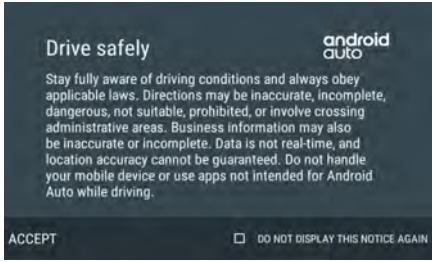
1. Accept screen 2. Permission for apps 3. Permission for mobile phone features

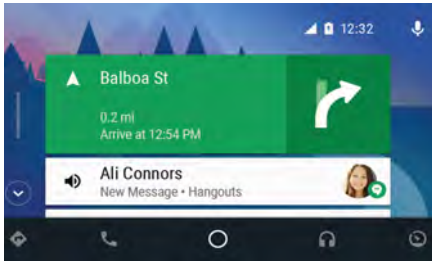
※ The screens shown in this manual may differ from the actual screens of Android phone.

5. Review the Terms & Conditions from both your mobile phone and vehicle's device, and then ACCEPT to use Android Auto™. (It is required only the first time that the application is used.)

Android Auto™

In smart phone



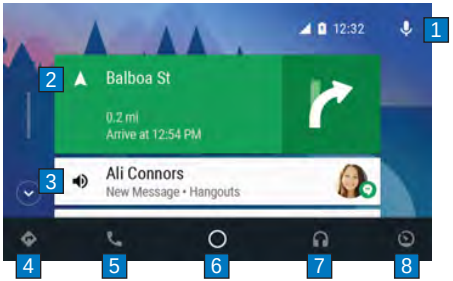


In vehicle's device

NOTE

- Using the USB cable that was provided with your phone is recommended.
- The Functionality and performance of Audio-Video system of the vehicle may vary depending on the brand, model, and specifications of connected smart phones.
- Your phone might ask you to download or update certain apps, like Google Maps.
- If you're running Android 6.0 (Marshmallow) or higher, Bluetooth will be turned on automatically when Android Auto™ is active.

Home Screen



No	Description
1	Microphone
2	Navigation suggestions and recent places
3	Reminders, messages, calls, and other alerts
4	Maps and navigation
5	Calls and messages
6	Home screen
7	Music and audio
8	Exit Android Auto

Talk to Google

1. Press the microphone [ ] button on the display or press and hold the [ ] Call key on your steering wheel until you hear the beep.
2. Say commands you want to use. Then you can do things like send or reply to a text, search for a location, make a call, or play your music.

Return to your car's Media screen

Press the [ ] button on the display.

Return to the Android Auto Home screen

Press the [ ] button on the display.

NOTE

- Wireless signal reception may vary, reception dependent features may temporarily pause then resume when signal strength has been regained.

Apple CarPlay

About Apple CarPlay

- CarPlay puts key iPhone apps - the ones you want to use while driving - on your vehicle's built-in display. With CarPlay, you can get turn-by-turn directions, make phone calls, exchange text messages, listen to music, and more. Apple CarPlay is available on select automobiles navigation systems, and works with iPhone 5 or higher with iOS 7.1 or higher.
- You can operate CarPlay using your vehicle's built-in controls - a touchscreen, a rotary knob controller, or both. To learn how to operate your display, refer to the user guide that came with your vehicle. Or just use Siri voice control to tell CarPlay what you want. In fact, Siri often steps in automatically to help you, depending on the app you're using.
- For more information & troubleshooting, refer to the iPhone manual or visit the Apple website.

Precautions

- Apple CarPlay is unavailable if the version of communication protocol is not supported or your phone cannot be recognized due to a shutdown caused by a failure or defect in the device itself.
- Your phone may not be recognized 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 you repeatedly connect and disconnect the USB cable on the device in a short period of time, your 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.
- When using this feature, the use of a dedicated cable is recommended. (Using a non-genuine product may cause noise or malfunction.)
- Apple CarPlay may not operate normally due to mobile phone issues.

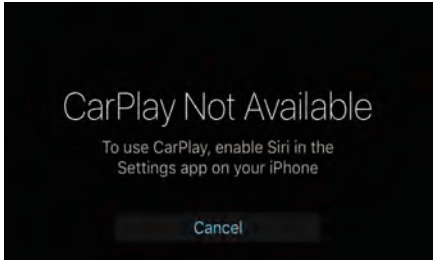
What you need?

1. An iPhone5 or higher.
2. A car that's compatible with iPhone.
3. A Genuine USB cable from Apple.

Before starting Apple CarPlay

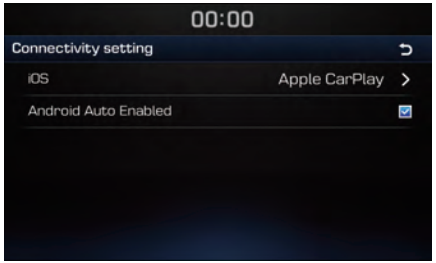
Setting Siri on the iPhone

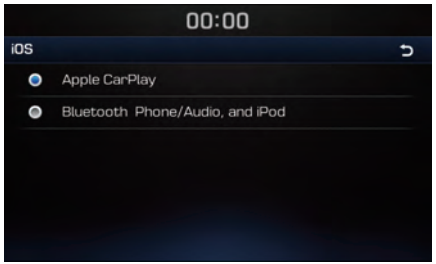
Siri must be enabled on your iPhone. If Siri is turned off, a notice will be displayed.
Go to Settings ▶ General ▶ Siri ▶ Turn on Siri.



Setting the system

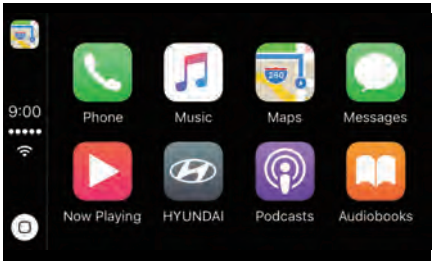
Before connecting your mobile phone, check whether Apple CarPlay is set to be used in Setup ▶ Connectivity ▶ iOS .
Check Apple CarPlay .





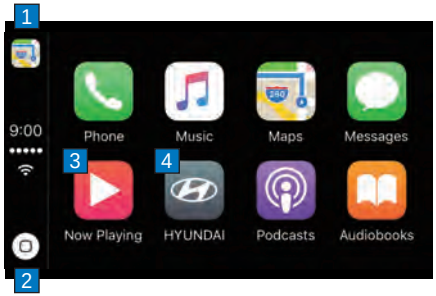
Starting mode

Connect your phone to your car using a USB cable. The CarPlay Home screen will be displayed automatically.



When in a different mode, press Media ▶ Apple CarPlay.

Home Screen



No	Description
1	Return to a call, or to turn-by-turn directions
2	Home button
3	View current audio source
4	Return to your car's Home screen

NOTE

- Map and Turn by Turn features are available only in countries supported by Apple (check link for information on supported countries). (http://www.apple.com/ios/feature-availability/#applecarplayapplecarplay)
- The position of the Home button changes according to driver seat location.

Speak to Siri

Press and hold the button on the steering wheel, or touch and hold the Home button on the CarPlay Home screen, until Siri beeps.
Then say commands you want to use. Then you can do things like send or reply to a text, search for a location, make a call, or play your music.

Open an app

Tap the app on the touchscreen.

Return to the CarPlay Home screen

Tap the Home button on the touchscreen.

Return to your car's screen

Tap the car logo. Or press the HOME key or the desired key on the device.

View additional apps

If you have more than eight apps, some apps may appear on another page of the Home screen. Swipe left on the touchscreen.

Return to a phone call or to turn-by-turn directions

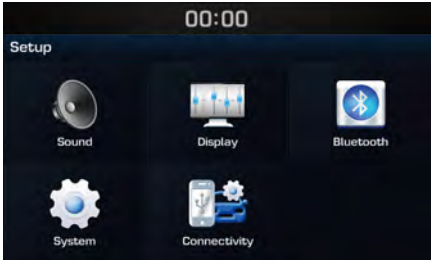
Tap the icon in the upper-left corner of the touchscreen.

View and control the current audio source

Tap Now Playing to see the current audio app.

Starting mode

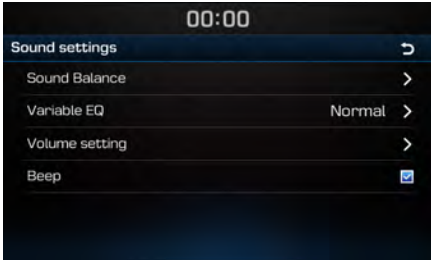
Press the SETUP key to display the Setup screen.



Sound

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

Press the SETUP key ▶ Press the Sound button.



Sound Balance

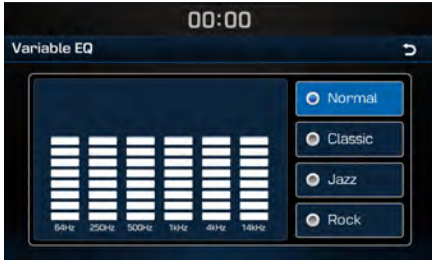
In Sound settings screen ▶ Press the Sound Balance ▶ Set the desired sound balance.

Use the ▲, ▼, , and buttons to adjust settings.

Press the Reset to restore sound to the center position.

Variable EQ

In Sound settings screen ▶ Press the Variable EQ ▶ Set the desired mode.



Volume setting

In Sound settings screen ▶ Press the Volume setting ▶ Set the desired volume.

Button	Description
1 Phone	Controls the volume related to phone.
2 Start up	Controls the audio volume when starting the system.

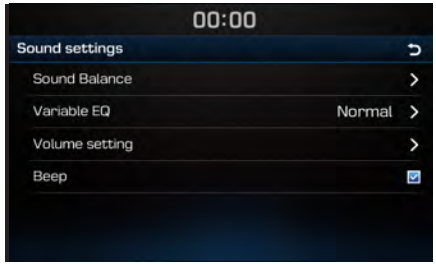
Use the ▲, ▼ and buttons to adjust settings.

Press the Reset to initialize the settings.

Beep

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

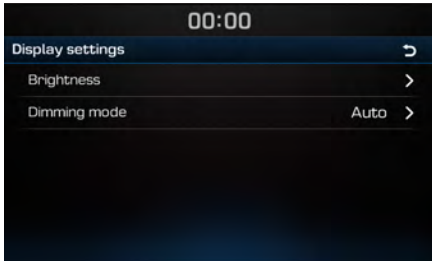
In Sound settings screen ▶ Press the Beep to turn on/off.



Display

This menu allows you to adjust the brightness and set the dimming mode for the whole system.

Press the SETUP key ▶ Press the Display .



Brightness

In Display settings screen ▶ Press the Brightness ▶ Set the desired brightness.

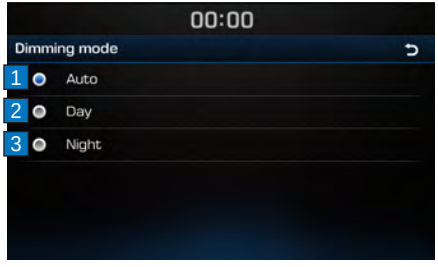
Use the ▲ , ▼ and buttons to adjust settings.

Press the Reset to initialize the settings.

Dimming mode

This menu allows you to set the brightness according to mode changes.

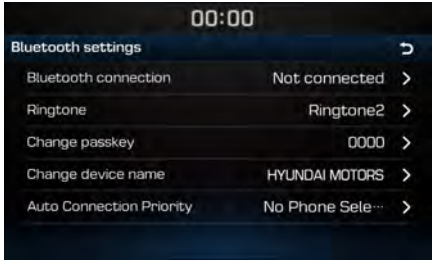
In Display settings screen ▶ Press the Dimming mode ▶ Set the desired mode.



Button	Description
1 Auto	Adjusts the brightness automatically according to surrounding brightness.
2 Day	Brightness level always set on high.
3 Night	Brightness level always set on low.

Bluetooth® settings

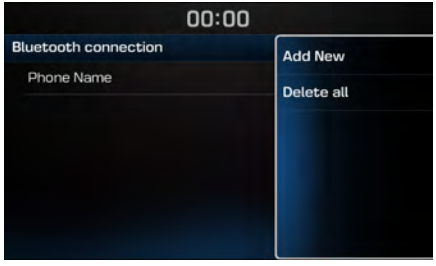
This menu allow you to set Bluetooth® settings. Press the SETUP key ▶ Press the Bluetooth .

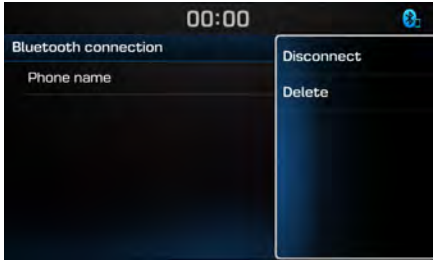


Bluetooth® connection

This menu allow you to manage the Bluetooth® device list, such as pairing, connecting or deleting Bluetooth® devices.

In Bluetooth® settings screen ▶ Press the Bluetooth connection ▶ Set the desired settings.





Press and hold the phone name to disconnect/delete the device.

Ringtone

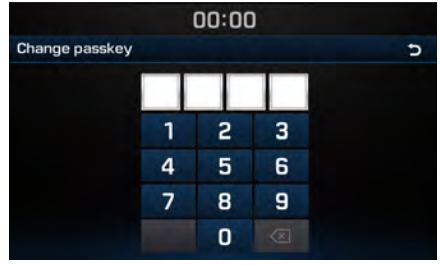
The configured ringtone is played through the vehicle speakers when you receive a call.

In Bluetooth® settings screen ▶ Press the Ringtone ▶ Set the desired ringtone.

Change passkey

This feature allows you to change the passkey used for Bluetooth® device authentication.

In Bluetooth® settings screen ▶ Press the Change passkey ▶ Enter the passkey.



NOTE

- The default passkey is 0000.

Changing device name

In Bluetooth® settings screen ▶ Press the Change device name ▶ Enter the name.

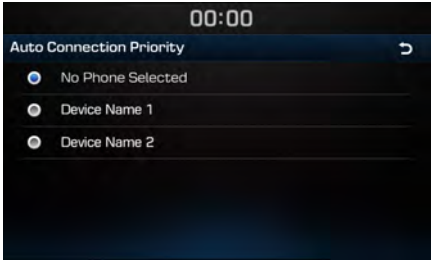
NOTE

- The default device name is HYUNDAI MOTORS.

Auto Connection Priority

The Bluetooth® device will automatically be connected according to the option set when the car ignition is turned on.

In Bluetooth® settings screen ▶ Press the Auto Connections Priority ▶ Set the desired settings.

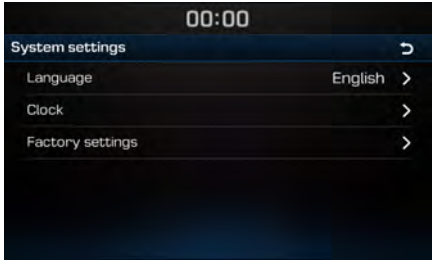


NOTE

- If you press No Phone Selected, the most recently connected Bluetooth® phone will connect automatically.

System

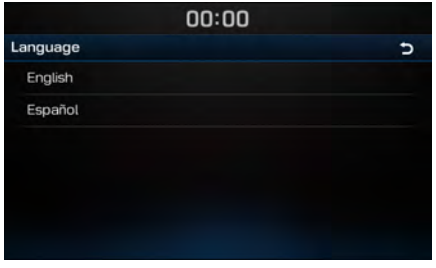
Press the SETUP key ▶ Press the System button.



Language

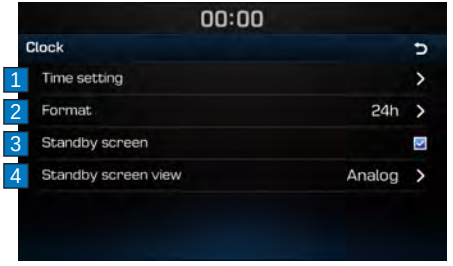
This menu allows you to set the language of the system.

In System settings screen ▶ Press the Language ▶ Press the desired language.



Clock

In System settings screen ▶ Press the Clock ▶ Set the desired settings.

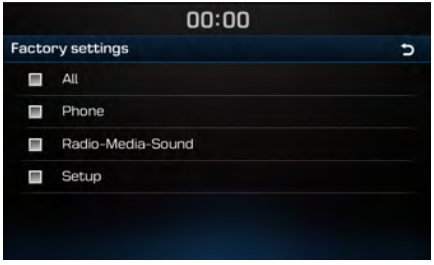


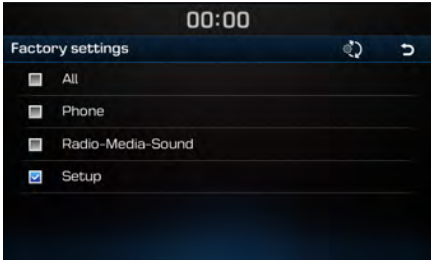
Button	Description
1 Time setting	Sets the current time.
2 Format	Converts the digital clock display to 12 or 24 hours.
3 Standby screen	Turns on/off the screen displayed when the system power is turned off.
4 Standby screen view	Sets the type of Standby screen.

Factory settings

This menu allows you to reset settings specified by the user.

In System settings screen ▶ Press the Factory settings ▶ Press the desired item ▶ Press the ▶ Press the YES .

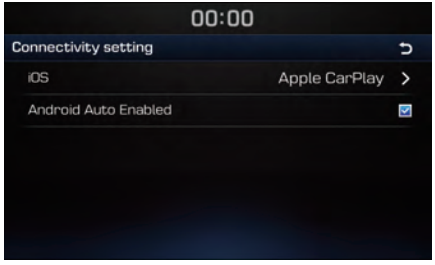




Connectivity

This menu allows you to set the car connectivity of your system.

In System settings screen ▶ Press the Connectivity ▶ Press the desired settings.



USB MP3 Specification

Category	Description
MP3 File Specification	Response Specification: MPEG1 AUDIO LAYER3
Recommended Bitrate and Sampling Frequency	Response Sampling Frequency : 32, 44.1, 48 (KHz)
	Response Bitrate: 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192 ,224 ,256 ,320 (Kbps)
ID3 TAG	ID3 v1.1 and ID3 v2.x TAG
Detailed Specification	• Max Directory Layers: 15 layers • Max length of folder names and file names: 255Bytes • Characters supported for folder/file names: English, Español and numbers • Max number of files recognized from one USB device: 5000

Video and Image Specification

Category	Description
File Format	AVI(DivX), MPEG
Image Format	jpg, gif, bmp, png
Extensions	avi, divx, mpg, mpeg, mp4, wmv
Supported Image Resolution	Max 4000x3000
Supported Image File Size	Max 4 Mbytes
Supported image zoom in/out	Max 300%
Video Codec	MPEG4-ASP, MPEG4-AVC(H.264), AVS, VP8
Video Resolution	1920 x 1080 (WMV 9: Max 8Mbps, 1280x720, WMV 8: 640x480)
Audio Codec	MP3, OGG, WMA … (AC3 not Support)
Subtitles	SMI
Unsupported files	• Files not compatible with supported specifications • Modified files (files with modified file formats) • Transformed files (example: AVI files encoded with WMV video codec) • Files without indexes

Trouble shooting

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 dealer

Problem	Possible Cause
There are small red, blue, or green dots on the screen	Because the LCD is manufactured with technology requiring high point density, a pixel or lighting deficiency may occur within 0.01% of total pixels.
The sound or image is not working	• Has the Switch for the vehicle been turned to [ACC] or [ON]? • Has the SYSTEM been turned OFF?
The screen is being displayed but sound is not working	• Has the volume been set to a low level? • Has the volume been muted?
When the power is turned on, the corners of the screen are dark	• 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.
Sound is working from only one speaker	Are the positions of Fader or Balance sound controls adjusted to only one side?
Sound does not work in AUX mode	Are the audio connector jacks fully inserted into the AUX terminal?
The external device is not working	Is the external device connected with a standard connector cable?
When turning power on, the most recent mode screen is not displayed	Within modes that play files by reading external sources, such as USB, iPod®, or Bluetooth® streaming mode, the most recently played mode screen prior to turning off power may not properly load. • If 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.

Trouble shooting

Problem	Possible Cause	Countermeasure
The power does not turn on.	The fuse is disconnected.	• Replace with a suitable fuse. • If the fuse is disconnected again, please contact your point of purchase or service center.
	Device is not properly connected.	Check to see that the device has been properly connected.
The system does not play.	The vehicle battery is low.	Charge the battery if the problem persists, contact your point of purchase or service center.
The image colour/ tone quality is low.	The brightness, and contrast levels are not set properly.	Properly adjust the brightness, and contrast levels through Display Setup.
Sound does not work.	The volume level is set to the lowest level.	Adjust the volume level.
	The connection is not proper.	Check to see that the device has been properly connected.
	The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode.	The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode.

Trouble shooting

Problem	Possible Cause	Countermeasure
The sound or image quality is low.	Vibration is occurring from where the conversion switch has been installed.	The sound may be short circuited and the image distorted if the device vibrates.
	Image colour/tone quality is low.	The device will return to normal once vibrations stop.
The USB does not work	USB memory is damaged.	Please use after formatting the USB into FAT 12/16/32 format.
	USB memory has been contaminated.	Remove any foreign substances on the contact surface of the USB memory and multimedia terminal.
	A separately purchased USB HUB is being used.	Directly connect the USB memory with the multimedia terminal on the vehicle.
	A USB extension cable is being used.	Directly connect the USB memory with the multimedia terminal on the vehicle.
	A USB which is not a Metal Cover Type USB Memory is being used.	Use standard USB Memory.
	An HDD type, CF, SD Memory is being used.	Use standard USB Memory.
	There are no music files which can be played.	Only MP3, WMA file formats are supported. Please use only the supported music file formats.
The iPod® is not recognised even though it has been connected	There are no titles which can be played.	Use iTunes to download and save MP3 files into the iPod®.
	The iPod® firmware version has not been properly updated.	Use iTunes to update the firmware version and reconnect the iPod® with the device.
	The iPod® device does not recognise downloads.	Reset the iPod® and reconnect with the device.

FCC Warning

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

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

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution: Any changes or modifications to this device not expressly approved by the party responsible for compliance could void your authority to operate the equipment.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.