M4EUH08
(영어 | 브라질) 디오디오

M4MSB-D1000

Car Multimedia System | User's Manual

HYUNDAI

Creta

Thank you for purchasing this multimedia system.

This user's manual explains how to use the HYUNDAI Motor 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.

Precaution for safe usage

- Driving while distracted can result in a loss of vehicle control, that may lead to an accident, severe personal injury, and death. The driver's primary responsibility is in the safe and legal operation of a vehicle, and use of any handheld devices, other equipment, or vehicle systems which take the driver's eyes, attention and focus away from the safe operation of a vehicle or which are not permissible by law should never be used during operation of the vehicle.
- Do not operate the multimedia system while driving.
- Do not disassemble, assemble, or modify the multimedia system.
- Do not watch the screen for prolonged periods of time while driving.
- Set the volume to a level which allows the driver to be aware of external conditions.
- Do not operate the multimedia system for prolonged periods of time with the vehicle ignition in ACC. Such operations may lead to battery discharge.
- Be cautious not to spill water or introduce foreign objects into the device.
- Do not cause severe shock to the device. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch panel.
- In case of product malfunction, please contact your place of purchase or service center.
- When cleaning the touch screen, make sure to turn off the device and use a dry and smooth cloth. Never use tough materials, chemical cloths, or solvents (alcohol, ammonia, benzene, thinners, etc.) as such materials may damage the device panel or cause color and quality deterioration.

WARNING

- Driving while distracted can result in a loss of vehicle control that may lead to an accident, severe personal injury, and death. The driver's primary responsibility is in the safe and legal operation of a vehicle, and use of any handheld devices, other equipment, or vehicle systems which take the driver's eyes, attention and focus away from the safe operation of a vehicle or which are not permissible by law should never be used during operation of the vehicle.

- The Rear Camera display is not a substitute for proper and safe reversing procedures. The Rear Camera display may not display every object behind the vehicle. Always drive safely and use caution when reversing.

Read the following safety precautions

Before using the product, read the contents of this user manual carefully. Please use this product safely.

※ The design and specifications of this product may change without prior notification for product and service improvement. The actual features in the vehicle may differ from the illustrations. For more accurate information about the vehicle, please refer to the catalogue.

※ This Audio system contains open source software, including without limitation, software distributed and/or modified under the GNU General Public license, Version 2, June 1991, and the GNU lesser General Public License, Version 2.1, February 1999.
For additional information and to obtain related materials including without limitation, the previous referred to licenses and software, please contact us at MOBIS_OSSrequest@mobis.co.kr

Notations used in this User Manual

WARNING

- Failure to observe the instructions in this section could result in damage to the vehicle.

CAUTION

- Information on matters that could potentially lead to injury or vehicle damage/malfunction Information that could lead to better user safety

Information

- Information and tips that make using the product more convenient

NOTICE

- Information on specific features that facilitate proper product use and understanding of functions
- Information on terminology used in this manual

Table of Contents

1. Basic

Warnings and Cautions 1-2

Key Product Features 1-4

Component Names and Functions 1-5

- Head Unit 1-5
- Steering Wheel Controls 1-6

Starting the System for the First Time 1-7

- Turning the System On/Off 1-7
- System Reset 1-7
- Battery Warning Message 1-8
- Restrictions on Features for Safety Measures 1-8
- Home Screen 1-9
- On-Screen Touch Controls 1-10

2. Radio/Media

FM/AM 2-2

- FM/AM Mode Display Controls ... 2-2

USB 2-4

- Before Playing a USB MP3 2-4
- Supported USB MP3 Music Specifications 2-6
- Supported Video Image Specifications 2-6
- USB Mode Display Controls 2-7
- USB Video 2-10
- USB Image 2-12

iPod 2-14

- Using iPod Devices 2-14
- iPod Mode Display Controls 2-18

AUX 2-21

- Connecting an External Device ... 2-21

Bluetooth® Audio 2-22

- Bluetooth Audio Mode Display Controls 2-22
- Bluetooth Connection Settings ... 2-23

3. Bluetooth

Before Using the Bluetooth® Handsfree 3-2

- What is *Bluetooth*® Wireless Technology? 3-2
- Precautions for Safe Driving 3-2
- CAUTIONS upon Connecting Bluetooth® Phone 3-3

Bluetooth Connection 3-4

- Pairing a New Device 3-4
- Connecting Bluetooth Devices 3-4
- Disconnecting Bluetooth Devices ... 3-5
- Deleting Bluetooth Devices 3-5

Bluetooth Phone 3-6

- Phone Status Icons 3-6
- Dial 3-7
- Accept/Reject Call 3-7
- Using the Menu During a Phone Call 3-8
- Call History 3-9
- Contacts 3-10
- Favorites 3-11

4. Navigation

Basic Features 4-2
- Operating Navigation Screen 4-2
- Changing Map View 4-3
- Navigation Volume 4-3
- Zoom In/Zoom Out 4-4
- Map Scale 4-4

Menu Button 4-4
- Save 4-4
- Nearby POI 4-5
- Menu 4-6

Destination 4-7
- Name 4-7
- Address 4-8
- Previous Destinations 4-9
- POI Categories 4-10
- Service Stations 4-11
- Restaurants 4-11
- Emergency 4-11
- Address Book 4-12
- Intersection 4-13
- Coordinates 4-14

Route 4-14
- Cancel Route 4-14
- Route Info. 4-15
- Route Overview 4-16
- Route Preview 4-16
- Edit Route 4-17
- Route Options 4-18
- Avoid Street 4-18
- Route Display 4-18

Navigation Settings 4-19
- General 4-19
- Display 4-20
- Guidance 4-20
- Route 4-20

Troubleshooting 4-21

5. Other Features

Camera 5-2
- Steering-linked Camera 5-2

6. Setup

Setup 6-2

Navigation Settings 6-3

Sound Settings 6-3

Display Settings 6-4

Phone Settings 6-4

Phone Settings 6-4

Bluetooth Connection 6-5

Auto Connection Priority 6-6

Bluetooth System Info 6-6

Date/Time Settings 6-6

Language Settings 6-7

Keyboard Settings 6-7

Screen Saver Settings 6-7

System Info 6-8

System Update 6-8

7. Appendix

Product Specification 7-2

Troubleshooting 7-4

FAQ 7-7

About Pairing Mobile Phones 7-7

About Making/Answering Phone Calls 7-8

About *Bluetooth*® Wireless Technology/ Head Unit Use Environment 7-8

iPod®

iPod® is a registered trademark of Apple Inc.

Bluetooth® Wireless Technology

The *Bluetooth*® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by Hyundai is under license. Other trademarks and trade names are those of their respective owners.

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

DivX

This DivX Certified® device can play DivX® HD video files (including .avi, .divx).

Download free software at www.divx.com to create, play and stream digital videos.

This DivX Certified® device can play DivX® HD video (including .avi, .divx).

DivX®, DivX Certified® and associated logos are trademarks of DivX, LLC and are used under license.

Covered by one or more of the following U.S. patents: 8,731,369; RE45,052.

DivX Certified® devices

DivX® HD Certified devices have been tested for high-quality DivX HD video playback (including .avi, .divx). When you see the DivX logo, you know you have the freedom to play your favorite videos.

part.1 Basic

Warnings and Cautions
Key Product Features
Component Names and Functions
Starting the System for the First Time

Safety Warnings

- 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 Multimedia system. Such acts could result in accidents, fire, or electric shock.
- Heed caution not to spill water or introduce foreign objects into the device. Such acts could lead to smoke, fire, or product malfunction.
- If you use phone related functions while driving, you will find it difficult to concentrate on operating the vehicle and the current traffic conditions, so the possibility of an accident may increase. Please use phone related functions only when parked.
- 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.
- For most Audio and multimedia modes, the display will not operate when the vehicle is in motion. For your safety, first park the vehicle to watch or view the screen. (The screen will only operate when the parking brake is ON for manual transmission vehicles and when the parking brake is ON or the gearshift is in the P (PARK) position for automatic.)
- Some functions other than the one mentioned above cannot be used while driving. These functions operate only when the vehicle is parked.

Safety Cautions

Pay attention to traffic conditions while driving.

- Operating the device while driving could lead to accidents due to a lack of attention to external surroundings. First park the vehicle before operating the device. In addition, the touch screen may not work for some functions when the vehicle is in motion. The touch screen feature will be supported once the vehicle has stopped.
- Adjust the volume to levels that allow the driver to hear sounds from outside of the vehicle. Driving in a state where external sounds cannot be heard may lead to accidents.
- Pay attention to the volume setting when turning the device on. A sudden output of extreme volume upon turning the device on could lead to hearing impairment. (Adjust the volume to a suitable levels before turning off the device.)
- Turn on the car ignition before using this device. Do not operate the Multimedia system for long periods of time with the ignition turned off as such operations may lead to battery discharge.
- Upon using the Multimedia system for more than 10 minutes with the car engine turned off, the following warning will be displayed. After 10 minutes, the warning will be displayed for 5 seconds every 1 minute.
- Do not subject the device to severe shock or impact. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch screen.
- When cleaning the device, make sure to turn off the device and use a dry and smooth cloth. Never use tough materials, chemical cloths, or solvents(alcohol, benzene, thinners, etc.) as such materials may damage the device panel or cause color/quality deterioration. When experiencing product concerns, inquire with your place of purchase or service maintenance center.
- Prevent caustic solutions such as perfume and cosmetic oil from contacting the dashboard because they may cause damage or discoloration.

Key Product Features

This device is a Multimedia system equipped with a multifunctional player that supports Radio (FM, AM), USB, iPod, AUX, Bluetooth Audio features. The WIDE VGA LCD provides a high quality resolution while the powerful and rich sound system adds to the driving enjoyment.

Display	Wide TFT-LCD Display • Provides high quality video through a Wide TFT-LCD Display using an LED Back Light. • Touch screen for maximum user convenience.
Multimedia Player	Support for various Media Formats • Support for various media formats, including Radio, USB, iPod, AUX and Bluetooth® Audio Streaming modes
Miscellaneous	*Bluetooth*® Wireless Technology • Convenient use of Bluetooth® Handsfree by using buttons within the steering wheel control Digital Screen Control Features • Easy control of features through touch screen options Steering Wheel Control • Control over audio features and Bluetooth® through the steering wheel control for maximum convenience

Component Names and Functions

Head Unit

※ The actual feature in the vehicle may differ from the illustration.

	Name	Description
1	FM	Each time the key is pressed, mode is changed in order of FM1 → FM2 → FM1.
2	AM	Operates AM mode.
3	MEDIA	Selects MEDIA mode.
4		Displays the Bluetooth phone mode.

	Name	Description
5	SEEK TRACK	When pressed quickly (less than 0.8 seconds), • FM/AM mode: Plays the previous/next frequency. • MEDIA (USB/iPod) mode: Changes the track, file or title (except for USB Image and AUX). When pressed and held down (more than 0.8 seconds), • FM/AM mode: Continuously changes the frequency until the key is released. • MEDIA (USB/iPod) mode: Rewinds or fast forwards the track or file (except for USB Image, Bluetooth Audio and AUX).
6	DISP	Turns the screen on/off.
7	SETUP	Moves to the Setup screen.
8	PWR/ VOL	• When power is off, press to turn power on. • When power is on, press and hold (more than 0.8 seconds) to turn the power off. • When power is on, press quickly (less than 0.8 seconds) to turn Audio off. • Turn left/right to adjust the volume.
9	TUNE	• FM/AM mode: Changes the frequency. • MEDIA (USB/iPod) mode: Changes the track, file or title (except USB Image, Bluetooth Audio and AUX).
10	RESET	• Resets the system settings. (Preset radio channels and other data will not be deleted)

Steering Wheel Controls

※ The actual feature in the vehicle may differ from the illustration.

	Name	Description
1	MUTE	The sound stops playing. Press again to unmute.
2	MODE	• Each time this is pressed, the mode is changed in order of FM1 → FM2 → AM → USB (iPod) → AUX → Bluetooth Audio → FM1 • If the media is not connected, the corresponding modes will be disabled • Press and hold (more than 0.8 seconds) to turn the Audio system on/off • When power is off, press button to turn power back on
3	VOL+ VOL-	Controls the volume
4	∧ ∨	When pressed quickly (less than 0.8 seconds), • FM/AM/RDS mode: searches broadcast frequencies saved to Presets • Media (USB/iPod) mode: changes the track, file or title (except USB Image, AUX) When pressed and held (more than 0.8 seconds), • FM/AM/RDS mode: automatically searches broadcast frequencies • Media (USB/iPod) mode: quickly looks up songs (except USB Image, AUX and Bluetooth audio files)
5		When pressed quickly (less than 0.8 seconds), • When pressed in the dial screen, makes a call • When pressed in the incoming call screen, answers the call • When pressed during call waiting, switches to waiting call (Call Waiting) When pressed and held (more than 0.8 seconds), • When pressed in Bluetooth® Hands-free, redials the last dialed call • When pressed during a Bluetooth® Hands-free call, switches call back to mobile phone (Private) • When pressed while calling on the mobile phone, switches call back to Bluetooth® Hands-free (operates only when Bluetooth® Hands-free is connected)
6		• When pressed during a call, ends the phone call • When pressed in the incoming call screen, rejects the call

Starting the System for the First Time

Turning the System On/Off

Press the engine start button or set the ignition key to On or ACC. Each time you turn on the system, a boot logo and safety warning will appear.

Pressing the power key on the head unit will display the safety guide.

NOTICE

- You cannot operate the system while it is booting up.

Pressing and holding the power key on the head unit will turn off the system.

Information

- If you turn off the system during a phone call using the Hands-free feature, then the call will automatically switch to your mobile phone.

NOTICE

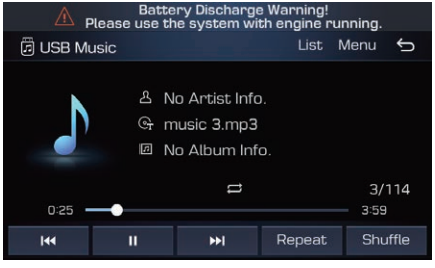
- Check the volume when turning on the system. Before turning on the system, adjust the volume to a reasonable level.

System Reset

The System Reset function restores the system when it is not operating correctly. Press and hold the RESET key for a second or longer. (It is recommended that you press the RESET key using a tool, such as a pin or a clip.)

Battery Warning Message

Always use the system while the car engine is running. If you turn on the system while the engine is off, a battery warning message will appear. When the engine starts, the message will disappear.



NOTICE

- If you use the system for a long time with the engine off, the battery may become completely discharged.

Restrictions on Features for Safety Measures

If you try to use features such as video mode that may distract you when you are driving, the system will turn the screen off or the function will be disabled and relevant warning message will appear. The audio player is not affected when video is off. The restriction screen will disappear when changing gear to P.

WARNING

- Blank Screen

- 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).

WARNING

- Touching the Antenna During A Thunder Storm

- Do not touch the antenna during thunder or lightning as such acts may lead to lightning induced electric shock.

Home Screen

Controls Menu Configuration for the Home Screen

Tap the icon on any screen to display the Home Screen below.

Features	Description
1 AV Widget	• Shows brief information on the radio media currently playing. • Touch the area to move to the mode for what you are listening to.
2 All Menus	Shows all of the items in the system menu.
3 Setup	Moves to the Settings screen.
4 My Menu	• You can add up to eight menus here. • Add your favorite menus to have quick and easy access to them.

Information Display on the Status Bar

Displays the date and time, along with the system status shown by the various icons to the right of the clock.

The icons in the following table indicate the various types of system status details and events.

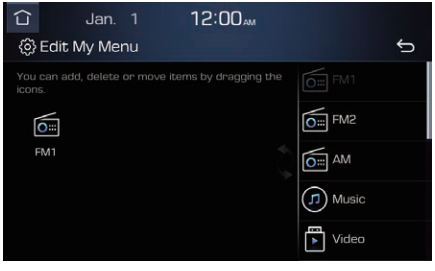
Icon	Description
Audio	Displayed when the audio is muted.
	Displays the remaining battery of the Bluetooth phone.
	Displayed when connected to Bluetooth for handsfree.
	Displayed when connected to Bluetooth for streaming audio.
	Displayed when connected to Bluetooth for streaming audio and handsfree.
	Displayed when downloading contacts or recent calls from the Bluetooth phone.
	Displayed while on a call with the Bluetooth phone.
	Displayed when the microphone of the Bluetooth phone is muted.
	Displays the signal strength of the Bluetooth phone.

Adding Your Favorite Menu Items to My Menu

From the Home screen, select My Menu icon, and then Edit.

From the Edit My Menu screen, select menu items from the list on the right, then drag and drop them to a desired place on the left.

To remove the item from My Menu, drag item from the left and drop them on the right.



Information

- Up to eight items can be added to My Menu.

On-Screen Touch Controls

Learn how to touch the screen to operate the system.

Select

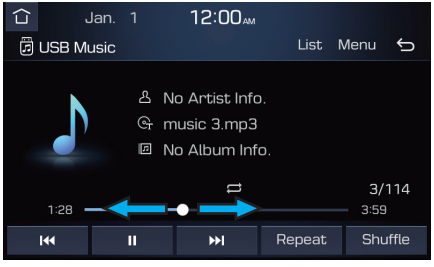
Tap lightly on a menu or an item to select it.

NOTICE

- The system will not recognize your touch if you wear a glove or other non-conductive material. Touch the screen using your finger, an electrostatic touch-screen glove, or a stylus pen.

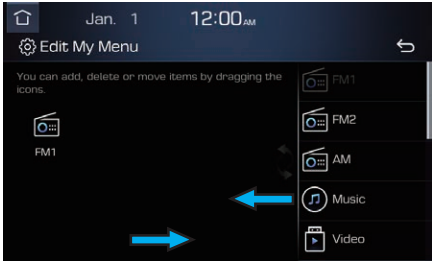
Drag & Drop

Select a menu or item you want, then drag and drop it to where you want to place it.



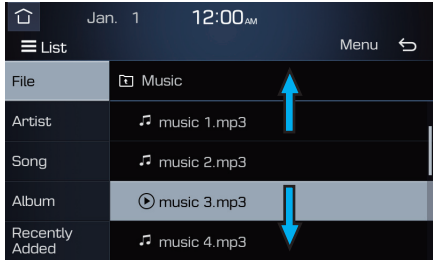
Drag or touch the slider along the play bar in the music screens to jump to the point that you want to play from.

Drag the frequency bar to the left or right to move to the frequency that you want.



From the Edit My Menu screen, drag and drop icons to add, delete, or move to/from My Menu.

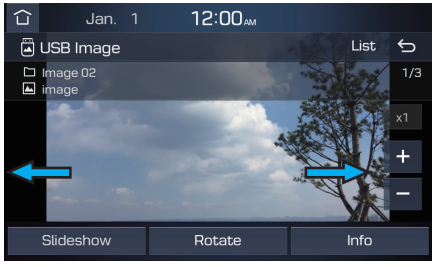
Flick (Quick Scrolling)



Quickly moves up and down in the list.

NOTICE

- Moving the list when there are many items will display a handler on the right of the display. You can easily move many items at a time with the handler.

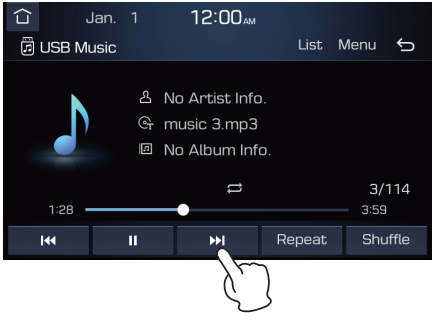


You can view the previous or next image by flicking left/right on an image on the USB Image screen.

Flick left/right on the frequency bar in the radio player to look up the previous/next frequency available.

Press and Hold

Pressing the ⏮ and ⏭ buttons in the music player will fast forward/rewind the music.



part.2 Radio/Media

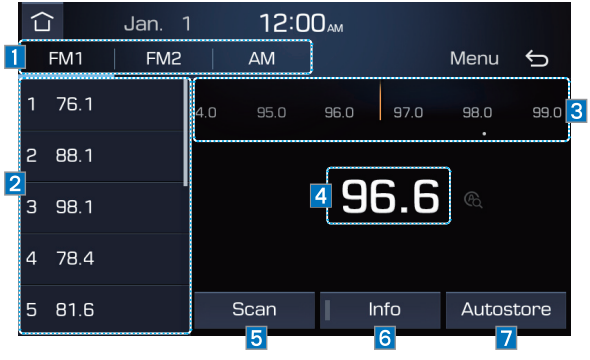
FM/AM
USB
iPod
AUX
Bluetooth® Audio

Radio/Media

FM/AM

You can access the radio player either by pressing the FM, AM key or by selecting the Radio menu from All Menus on the Home screen.

FM/AM Mode Display Controls



Information

- If you press the FM, AM key when power is off, the power will turn on and a radio broadcast will be tuned from the current mode.
- If you are in radio mode, select the media widget from the Home screen to access the radio player.

Features	Description
1 Mode Display	• Displays currently operating mode. • If select wanted mode tap, it will change to selected mode in Radio.
2 Preset Frequencies	• The stored preset frequencies are displayed for user selection. • After selecting frequency, press and hold the preset button for more than 0.8 seconds. A beep sound will be heard and the frequency is to be stored in the selected preset button. • Flick the preset frequencies up/down to scroll quickly through presets.
3 Frequency Bar	• Flick the frequency bar left/right to search for available radio channels to the left or right of the current channel. • Dragging: Drag the frequency bar to the left/right to find the radio channel that you want.
4 Frequency	Displays the current frequency.
5 Scan	Shortly plays the broadcasts for the frequencies with superior reception for 5~10 seconds per item.
6 Info	Turns the Radio text information transmitted from the broadcasting station on and off.
7 Autostore	Saves frequencies with superior reception to Preset buttons While Autostore is operating, pressing the Autostore button again will cancel the function and play the previous frequency.

Features	Description
8 Menu	Sound Settings: Moves to the Sound settings.
9 SEEK/TRACK	• When pressed quickly (less than 0.8 seconds): Seeks the previous/next frequency. • When pressed and held (more than 0.8 seconds): Moves quickly through all of the frequencies. The moment that you release the button, the system seeks the next available frequency.
10 TUNE	Turn the ● TUNE knob to manually seek available frequencies. • FM: Increment/decrement by 100 kHz • AM: Increment/decrement by 10 kHz

USB

Before Playing a USB MP3

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 music/image files will not be played.
- For MP3/WMA/OGG files, only music files with compression rates between 8Kbps ~ 320Kbps 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 products formatted with byte/sectors under 64Kbyte will be recognized.
- USB devices, formatted to the FAT12, FAT16 or FAT32 file system are recommended. File systems other than FAT12, FAT16, FAT32, exFAT, and NTFS are not supported.
- Some USB devices may not be supported due to compatibility issues.
- Take caution so that the USB connector does not come in contact with body parts or objects.
- Repeated connecting/disconnecting of USB devices within short periods of time may result in product malfunction.
- Make sure to connect/disconnect external USB devices with the audio power turned off.
- 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.
- The use of USB devices for purposes other than playing music and image files is prohibited.
- Do not use the USB I/F to charge batteries or USB accessories that generate heat. Such acts may lead to worsened performance or damage to the device.
- 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 using mass storage USB devices with separate logical drives, only files saved to the root drive can be played.
- 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.
- When playing iPods, please use a dedicated iPod car cable.
- Normal operation cannot be guaranteed when other cables are being used.
- 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.
- Only use Plug type connector products, as shown in the figure below.
- To play USB MP3, the USB device must be connected to the USB port in the front multibox. The USB port in the center console storage (if equipped) is for charging only.

Plug Type Connector

Product Name	Manufacturer
XTICK	LG
BMK	BMK Technology
SKY-DRV	Sky Digital
TRANSCEND JetFlash	Transcend
Sandisk Cruzer	SanDisk
Micro ZyRUS	ZyRUS
NEXTIK	Digiworks

Information

- Problems that occur through use of USB devices not listed within the above table are not covered by the product warranty.

Supported USB MP3 Music Specifications

Name	Description
MP3 File Specification	Specification: MPEG1 AUDIO LAYER 3
Recommended Bit Rates and Sampling Frequency	Acceptable sampling frequency: 32, 44.1, 48 (kHz)
	Acceptable bit rate: 32, 40, 48, 56, 64, 80, 96, 112, 128, 160, 192, 224, 256, 320 (Kbps)
	96, 128, 192 Kbps fixed bit rate/44.1kHz
ID3 Tag	Supports ID3v1.0 and ID3v1.1, ID3v2.2, ID3v2.3, ID3v2.4 ID3 tags
Detailed Specifications	Maximum directory layers: 20 layers Maximum length of folder name/file name: 255Bytes Supported characters for folder name/file name: Alphanumeric characters, Korean standard character set 2,350 characters, Simplified Chinese 4888 characters Maximum number of folders which can be stored onto one USB: 2000 folders (including ROOT) Maximum number of files which can be stored onto one USB: 8000

Information

- The sound quality of MP3 files that use bitrates exceeding 192 Kbps cannot be guaranteed. When using files without fixed bit rates, some features (FF/REW features) may not properly operate.

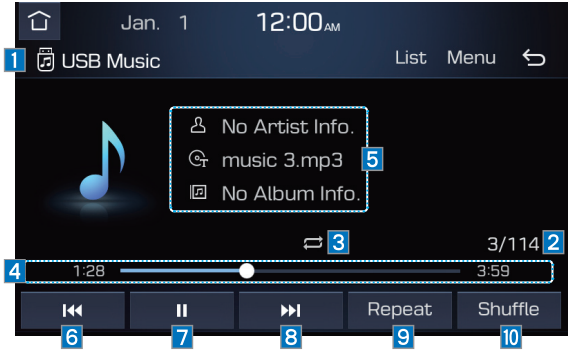
Supported Video Image Specifications

Name	Description
File format	AVI, MPEG, 3GP, WMV
Image format	JPG, GIF, BMP, PNG (animated GIF, etc. are not supported)
Extension	.avi, .divx, .mpg, .mpeg, .mp4, .3gp, .3gpp, .3gpp2, .wmv, .asf
Supported image file size	5M pixels for JPG, BMP, PNG (1M pixels maximum for GIF)
Video codec	DivX3/4/5/6, Xvid, MPEG1/4(excluding MPEG2), H264, WMV9
Video resolution	1280 x 720
Audio codec	MP3, OGG, WMA
Subtitles	SMI, SRT
Files not supported for playback	Files which do not conform to the supported specifications Modified files (files with changed formats) Converted files (e.g. an AVI file encoded in the WMV video codec) Files without indexes Other requirements are based on DivX's certification standards (screen display specifications and playback specifications)

Information

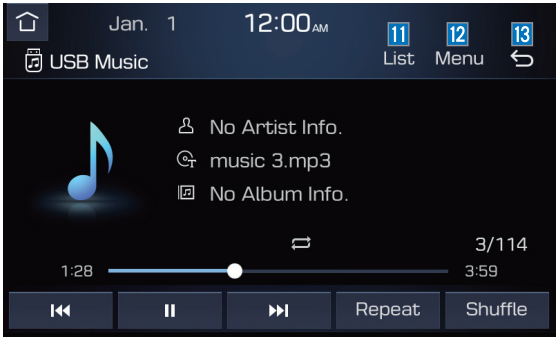
- The playback timestamp may appear incorrectly for files with variable bit rates.
- If you get errors during playback or your file format is not supported for video playback, please convert the format of the file using up-to-date software such as Gom Encoder, Umile Encoder and Daum Pot Encoder.

USB Mode Display Controls

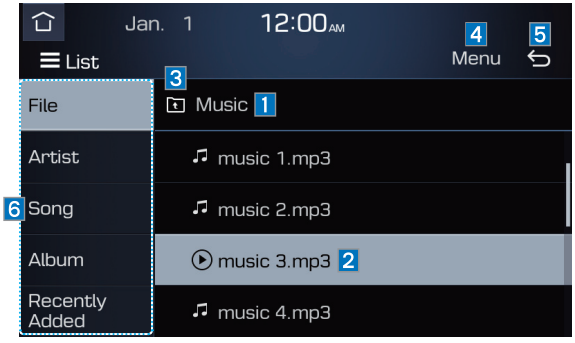


Features	Description
1 Mode	Displays the current operating mode
2 File Index	Shows the current file/total files within the USB
3 Repeat/ Shuffle	From Repeat/Shuffle, displays the current operating function
4 Play Time	Displays the current play time/total play time
5 Song Info	Displays the information of the current track • When a track in the file tab on the list screen is selected: Displays artist, title, album info • When a track in the other tabs on the list screen is selected: Displays artist, title, album info

Features	Description
6 Previous File	If button is pressed (less than 0.8 seconds): Moves to the previous file or play the current file from the beginning (Depends on the play time) • If play time is less than 3 seconds, moves to previous file • If play time is more than 3 seconds, play the current file from the beginning If button is pressed (more than 0.8 seconds) it rewinds the track
7 Play/Pause	Plays/pauses the current file
8 Next File	• If button is pressed (less than 0.8 seconds): Moves to the next file • If button is pressed (more than 0.8 seconds): It fast-forwards the track
9 Repeat	Repeats the current file • If select the song in the file tab on the list screen: Select the Repeat button to switch between repeating one song, repeating folder, and turning repeat off • If select the song in the other tabs (Playlist, Artist, Song, Album) on the list screen: Select the Repeat button to switch between repeating one song and turning repeat off
10 Shuffle	Plays files in random order • If select the song in the file tab on the list screen: Select the Shuffle button to switch between Shuffle Folder, Shuffle All, and turning shuffle off • If select the song in the other tabs (Playlist, Artist, Song, Album) on the list screen: Select the Shuffle button to switch between Shuffle Category and turning shuffle off



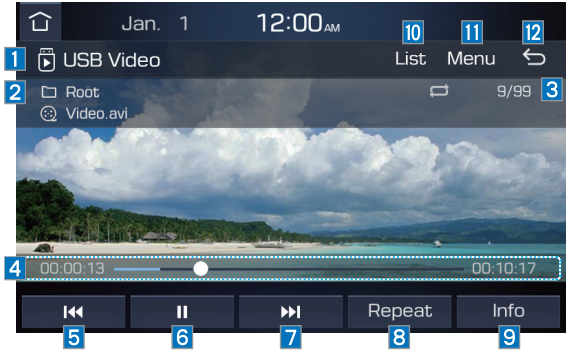
Features	Description
11 List	Moves to the list screen
12 Menu	• Delete Current File: A selected file can be deleted. Deleted file can be found in the “to_Delete” folder. ⓘ This function is only suppored when USB format is compatable with FAT16 or FAT32. • Sound Settings: Moves to the Sound settings screen. You can change the settings of the sound.
13 Back Button	Converts to basic mode screen
14 TUNE	Turn the ● TUNE knob to search a desired track. If the desired track is displayed, select the ● TUNE knob to play the track. ⓘ If the ● TUNE knob is not pressed within 5 seconds of searching tracks, the track info for the current track is restored.



Features	Description
1 Folder/ Category Name	Displays folder/category name in the list
2 Current Song	Displays the current playing file name

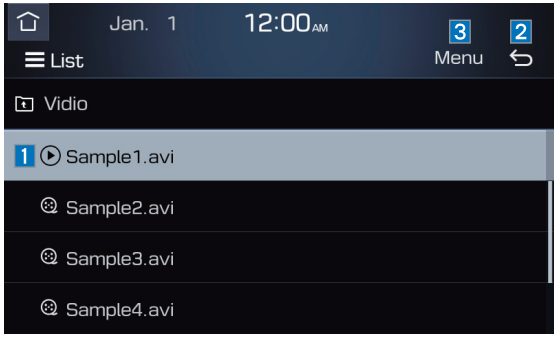
Features	Description
3 Upper Folder/ Category	Moves to Upper Folder
4 Menu	Now Playing: When moving to a different list screen, moves to the list page where the current file is located (Becomes disabled when the current list includes the current file)
5 Back Button	Converts to basic mode screen
6 Search Menu	Search tracks by the list type. Search songs according to File, Artist, Song, Album and Recently Added. i If access the search menu while playing a track, it moves to the previous search mode.
7 SEEK/TRACK	• If button is pressed (less than 0.8 seconds): Plays previous/next track. • If button is pressed (more than 0.8 seconds): Moves to play screen, and then it will rewind or fast-forward the track.
8 TUNE	Turn the ● TUNE knob to move the focus to the previous/next list. If the desired track is displayed, press ● TUNE knob to play the track.

USB Video



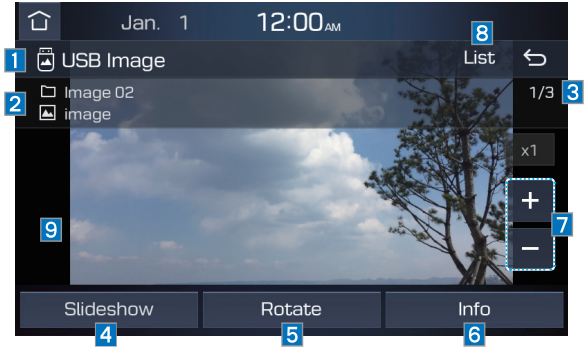
Features	Description
1 Mode Display	Displays the current playback mode.
2 Folder/ File Name	Displays the folder in which the USB Video file is located as well as the name of the video file that is currently playing.
3 File Index	Displays the name and total number of current USB Video files.
4 Play Time	Displays the current and total play time of the USB Video.

Features	Description
5 Previous File	If button is pressed (less than 0.8 seconds): Moves to the previous file or play the current file from the beginning (Depends on the play time) • If play time is less than 3 seconds, moves to previous file • If play time is more than 3 seconds, play the current file from the beginning If button is pressed (more than 0.8 seconds) it rewinds the track
6 Pause/Play	Pause/play video file
7 Next File	• If button is pressed (less than 0.8 seconds): Moves to the next file • If button is pressed (more than 0.8 seconds): It fast-forwards the track
8 Repeat	Repeats the current video file
9 Info	Displays the file name, resolution and total time.
10 List	Goes to the USB Video List
11 Menu	You can change the settings of the sound or display also change a audio track. • Change Audio: Changes a audio track. • Sound Settings: Moves to the Sound settings screen. • Display Settings: Moves to the Display settings screen.
12 Back Button	Return to Home/Previous page

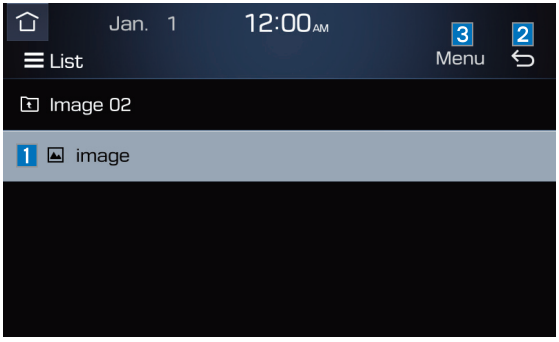


Features	Description
1 Current Video File	The current file being played is highlighted.
2 Back Button	Changes to play mode screen
3 Menu	Now Playing: When moving to a different list screen, moves to the list page where the current file is located. (Becomes disabled when the current list includes the current file)
4 SEEK/TRACK	• If button is pressed (less than 0.8 seconds): Plays previous/next track. • If button is pressed (more than 0.8 seconds): Moves to play screen, and then it will rewind or fast-forward the track.
5 TUNE	Turn the ● TUNE knob to move to the previous/next list and then press it after selecting a video file in order to play it. i Tune search will end when no keys are pressed for 5 seconds.

USB Image



Features	Description
1 Mode	Displays the current operating mode
2 Folder/File Name	Displays folder name where image is located
3 File Index	Shows the current file/total files within the USB
4 Slideshow	Images as slideshow in 5, 10, 20, 30 second intervals
5 Rotate	Rotate image in clockwise direction
6 Info	Shows the file name, resolution and file type of current image
7 Adjust Image Size	Enlarge/reduce (zoom-in/zoom-out) image size
8 List	Moves to the list screen
9 Previous/ Next image	Swipe image left or right to see Previous/ Next image



Features	Description
1 Current File	Displays the current playing file name
2 Back Button	Converts to basic mode screen
3 Menu	Now Playing: When moving to a different list screen, moves to the list page where the current file is located (Becomes disabled when the current list includes the current file)
4 SEEK/TRACK	Controls background mode • Radio mode: Changes Frequency and Channel • Media mode: Changes Track (excluding AUX)
5 TUNE	Controls background mode • Radio mode: Changes Frequency and Channel • Media mode: Changes track (excluding AUX). If a desired track is displayed, press the knob to move to the track.

iPod

Using iPod Devices

- iPod is a registered trademark of Apple Inc.
- iPod mode will not operate if the connected iPod cannot be recognized due to operation of unsupported versions that do not support related protocols, iPod abnormalities, or iPod device defects. Some iPods with unsupported communication protocols may not properly operate with the Multimedia system.
- For fifth generation iPod Nano devices, the iPod may not be recognized when the battery level is low. Please charge the iPod for use.
- Search/play orders shown within the iPod device may differ with the orders shown within the Multimedia 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)
- If repeatedly connect and disconnect iPod/iPhone to the Multimedia system with USB cable in a short time, it may cause abnormal operation.
- The time for recognition of iPod/iPhone may vary depending on device type, firmware version and iOS version.
- For some iPod Touch and iPhone devices, connecting Bluetooth® while the iPod is operating may result in discontinued iPod sound. When such devices with Bluetooth® support are connected, this problem occurs as the sound source is changed from the Dock Connector (USB connector cable) to Bluetooth.
- To prevent this symptom, Bluetooth Audio function in the Multimedia system is limited if iPod/iPhone is connected to the system through both cable and Bluetooth. To listen to the iPod sound, use either iPod menu with USB connection or Bluetooth Audio with Bluetooth connection.
- To listen to the iPod sound, reconnect the USB cable or change the audio output settings in iPod/iPhone to Dock.
- In order to use the iPod while operating the keys, you must use a dedicated iPod cable. (the cable that is supplied when purchasing iPod/ iPhone products)

※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 head unit.

※The use of genuine iPod cables supplied by Apple is recommended. (The use of other products may result in noise or abnormal operation.)

※To play iPod music through cable connection, the iPod/USB cable must be connected to the USB port in the front multibox. The USB port in the center console storage (if equipped) is for charging only.

- When connecting with the iPod cable, make sure to fully insert the jack to prevent communication interference. If the iPod is connected to the vehicle while it is playing, a high pitch tone may sound for about 1~2 seconds immediately after connection. If possible, connect the iPod to the vehicle with the iPod stopped/paused.
- Within iPhones, streaming audio and iPod control may occasionally conflict. If problems persist, remove the iPhone and connect again.
- When connecting to iPod Nano /Classic, the HYUNDAI Motor logo appears on the Apple device. For the iPod Nano 6 generation, however, the logo image does not appear since it is not supported. Also, all iPhone and iPod Touch products do not support this function.
- In Apple's iOS 6.0 version or later, Podcast and Audiobook media files are designed to be played with the Podcasts and iBooks applications specifically designed for Apple products. If the Apple device does not provide the Podcast and Audiobook lists, the playlist may not be displayed and played in the iPod mode.
- If the Apple Podcasts and iBooks apps are not installed on the Apple device, but the Apple device provides the Podcast and Audiobook lists, you can play files in other categories in iPod mode.
- The screen of multimedia system can be different when you run other music players (e.g. iHeartRadio) on your connected device.

Caution

- While using a connected iPhone/iPod Touch device, it may not operate normally if the user changed some functions in the device.
- When calling with an iPhone connection, song may stop playing due to an Apple device feature. If sound does not resume after the call is terminated, check the device status.
- If lots of songs have the same information, skipping may occur when previous/next song is executed due to an Apple device feature. Also problems may occur depending on device type or iOS version.
- If lots of songs have the same information, the song that plays may be different between the system and the Apple device. Reset the device or delete the same songs in the Apple device using iTunes.
- If you control pause, repeat, shuffle, or seek songs when the play time is less than 3s before the song is finished playing, it may occur difference of playing song between the Multimedia system and Apple device. Access to iPod music from another mode or pause a song and then play a song again in Apple device.
- We recommend that your Apple device uses the latest firmware since some problems may occur due to an outdated firmware or other software related issues.

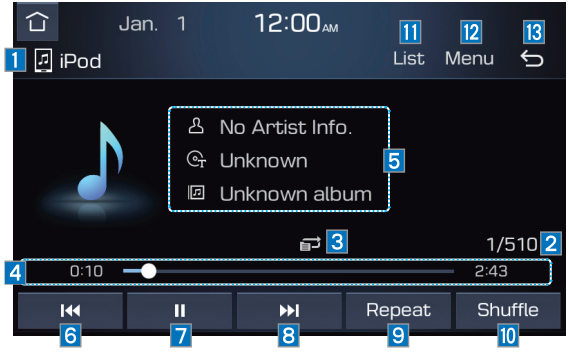
Type	1G	2G	3G	4G	5G	6G	6.5G	7G
iPod Mini	Not Supported							
iPod Shuffle	Not Supported							
iPod Nano	○	○	○	○	○	○	Not released	○
iPod Touch	○ (iOS 1.1 not supported)	○	○	○	○	Not released		
iPad	○ (Unable to charge, Not verified, Normal working not guaranteed)							
iPad Mini	○ (Unable to charge, Not verified, Normal working not guaranteed)							
iPod Classic	Not Supported				○ (iPod with Video)	○ (iPod Classic)	○ (iPod Classic)	Not released

Type	3G	3GS	4	4S	5	5C	5S	6	6+
iPhone	Not verified, Normal working not guaranteed	○	○	○	○	○	○	○	○

Caution

- If the iPhone/iPod Touch supports Bluetooth, the Apple device will not be able to use the Bluetooth function if the device is connected through both the USB port and via Bluetooth. Disconnect the USB connection then use Bluetooth Audio.
- If iPod/iPhone connected to the Multimedia system through both USB and AUX. iPod/iPhone keeps output sound via AUX, thus it may occur sound will not output in iPod mode.
- If AUX cable connected to iPod/iPhone but not connect to the Multimedia system, it may occur sound will not output in iPod mode due to iPod/iPhone's feature. Especially, if you use AUX cable like pictures, this problem may occur.
- Disconnect AUX cable from iPod/iPhone first, then connect to the Multimedia system via USB. Or change settings to "Dock" in iPod/iPhone.
- If connect to the Multimedia system while podcast or iTunes music downloading to iPod/iPhone, it may occur some problems when you select song in the list. Reconnect iPod/iPhone to the Multimedia system when downloading is finished or the file deleted.
- If connect to the Multimedia system while sync, it may occur some problems. Try to use iPod/iPhone connection after sync complete. (To learn more, refer to your iPod manual)
- iPhone and iPod Touch devices are guaranteed to work normally on iOS 9.3.2 or below. However, they may not work normally on future iOS versions as their operations have not yet been tested.

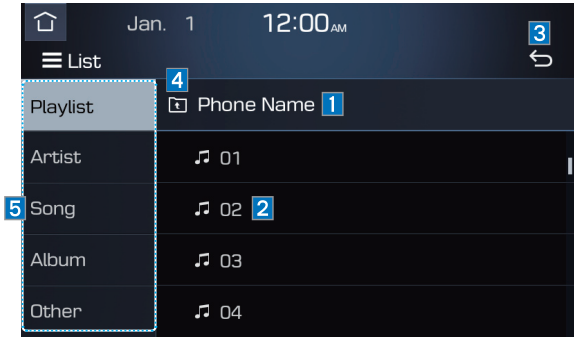
iPod Mode Display Controls



Features	Description
1 Mode	Displays the current operating mode
2 Song Index	Shows the current song/total songs
3 Repeat/Shuffle	From Repeat/Shuffle, displays the current operating function
4 Play Time	Displays the current play time/total play time
5 Song Info	Displays the artist/song title/album info

Features	Description
6 Previous File	If button is pressed (less than 0.8 seconds): Moves to the previous file or play the current file from the beginning (Depends on the play time) • If play time is less than 3 seconds, moves to previous file • If play time is more than 3 seconds, play the current file from the beginning If button is pressed (more than 0.8 seconds) it rewinds the track
7 Play/Pause	Plays/pauses the current file
8 Next File	• If button is pressed (less than 0.8 seconds): Moves to the next file • If button is pressed (more than 0.8 seconds): It fast-forwards the track
9 Repeat	Repeats the current file Select the Repeat button to switch between repeating 1 track, and turning repeat off
10 Shuffle	Plays files in random order When selecting the Shuffle button, it changes to shuffle category → deactivate shuffle then repeat • Shuffle category: Shuffle song in the current category
11 List	Moves to the list screen
12 Menu	Sound Settings: Moves to the Sound settings screen. You can change the settings of the sound.
13 Back Button	Move to home/previous mode screen

Features	Description
14 TUNE	Turn the ● TUNE knob to search a desired track. If the desired track is displayed, press the ● TUNE knob to play the track. ℹ If the ● TUNE knob is not pressed within 5 seconds of searching tracks, the track info for the current track is restored.



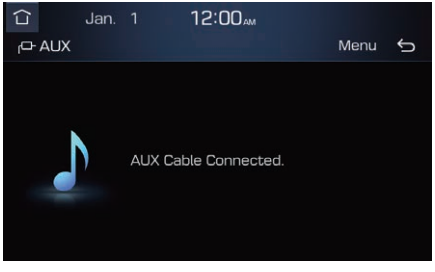
Features	Description
1 Category Name	Displays the category name
2 Category List	Displays the contents of selected category ⓘ If there are many items in the list, items are added in order and the scroll bar on the right is adjusted accordingly.
3 Back Button	Converts to basic mode screen
4 Upper Category	Moves to Upper Category
5 Search Menu	Search tracks by the list type. Search songs according to Playlist, Artist, Song, Album, Genre, Composer, Podcast and Audiobook. ⓘ If access the search menu while playing a track, it moves to the previous search mode.
6 SEEK/TRACK	• If button is pressed (less than 0.8 seconds): Plays previous/next track. • If button is pressed (more than 0.8 seconds): Moves to play screen, and then it will rewind or fast-forward the track.
7 TUNE	Turn the ● TUNE knob to search a desired track. If the desired track is displayed, press the ● TUNE knob to play the track. If you do not anything with the knob for 5 seconds, the ● TUNE knob search will be terminated.

AUX

Connecting an External Device

If an external device connector is connected with the AUX terminal, then AUX mode will automatically operate. Once the connector is disconnected, the previous mode will be restored.

- AUX mode can be used only when an external audio player has been connected.
- The AUX volume can also be controlled separately through the connected device.



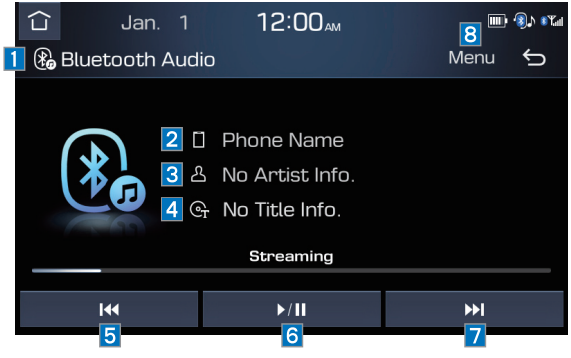
NOTICE

- If only a cable is connected to the AUX without an external device, the mode will be changed to AUX, but noise may occur. When an external device is not being used, remove the connector jack.
- When the external device power is connected to the power jack, playing the external device may output noise. In such cases, disconnect the power connection before use.

※ The actual feature in the vehicle may differ from the illustration.

Bluetooth® Audio

Bluetooth Audio Mode Display Controls



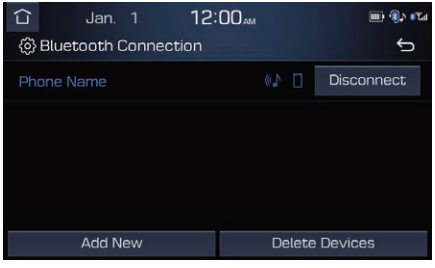
Features	Description
1 Mode	Displays the current operating mode
2 Phone Name	Displays name of connected phone
3 Artist Info	Name of current artist
4 Title	Name of current song
5 Previous File	• If play time is less than 3 seconds, moves to the previous file • If play time is more than 3 seconds, plays the current file from the beginning i This function may differ depending on the model of mobile phone
6 Play/Pause	Plays/Pauses Bluetooth Audio
7 Next File	Moves to the next file
8 Menu	• Connections: Moves to the Bluetooth settings screen. You can pair a new device or change/delete paired device(s). • Sound Settings: Moves to the Sound settings screen. You can change the settings of the sound.
9 SEEK/TRACK	Plays the previous/next file
10 TUNE	● TUNE is not supported.

Information

- Artist info and Title may not be supported by mobile phone.

Bluetooth Connection Settings

Settings for pairing, connection and disconnection of a Bluetooth device.



- In Bluetooth Audio play screen, select Menu and then Connections.

Information

- If the music in the mobile phone is not played after changing to audio streaming mode, press the play button. Thus check if the music is playing in the Bluetooth device after changing to audio streaming mode. Audio streaming may not be supported for some mobile phones.

MEMO

part.3 Bluetooth

Before Using the Bluetooth® Handsfree

Bluetooth Connection

Bluetooth Phone

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.

WARNING

- Distracted Driving

- Focus on the road while driving. The driver's primary responsibility is in the safe and legal operation of the vehicle. Drivers should not use any hand held devices or other equipment or vehicle systems that distract the driver during vehicle operation.
- Do not stare at the multimedia screen for long periods of time while driving. Staring at the screen for prolonged periods of time can lead to traffic accidents and can result in personal injuries.

Precautions for Safe Driving

- Bluetooth® is a feature that enables drivers to make handsfree calls. Connecting the head unit with a Bluetooth® phone allows the user to conveniently make calls, receive calls, and manage the phonebook. 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
- Even if the phone supports *Bluetooth®* Wireless Technology, the phone will not be found during device searches if the phone has been set to hidden state or the Bluetooth® power is turned off. Disable the hidden state or turn on the Bluetooth® power prior to searching/ connecting with the head unit.
- If Auto Connection is used, the Bluetooth® phone is automatically connected when the ignition is turned on, making it unnecessary to have to connect the phone with the head unit every time.
- 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.
- Bluetooth® connection may become intermittently disconnected in some mobile phones. Follow these steps to try again.
  1. Turn the Bluetooth® function within the mobile phone OFF/ON and try again.
  2. Turn the mobile phone power OFF/ ON and try again.
  3. Completely remove the mobile phone battery, reboot, and then again.
  4. Reboot the Multimedia System and try again.
  5. Delete all paired devices from both of Phone and Head Unit sides and then try again
- The Handsfree call volume and quality may differ depending on the mobile phone.
- Pairing Bluetooth® devices and use of other Bluetooth® features are not supported when the vehicle is in motion. For safety, please first park your vehicle.
- If you continue having issue downloading your contacts to your vehicle, contact your mobile phone provider.

Bluetooth Connection

Pairing a New Device

Before you can use the Bluetooth feature, you must first pair/connect your mobile phone to your car.

Up to 5 Bluetooth devices can be paired.

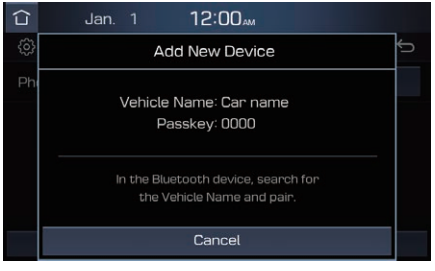
Only one Bluetooth device can be connected at a time.

Pairing a New Device by Selecting Phone/Call

Press the key or key in the steering wheel control. ▶ Select Yes ▶ Pair your car after your mobile phone detects the Bluetooth device. ▶ Enter the passkey or accept the authorization popup. ▶ Connect Bluetooth.

Pairing a New Device Through the Phone Settings

Press the SETUP key. ▶ Select Phone. ▶ Select Bluetooth Connection. ▶ Select Add New. ▶ Pair your car after your mobile phone detects the Bluetooth device. ▶ Enter the passkey or accept the authorization popup. ▶ Connect Bluetooth.



The default passkey is 0000.

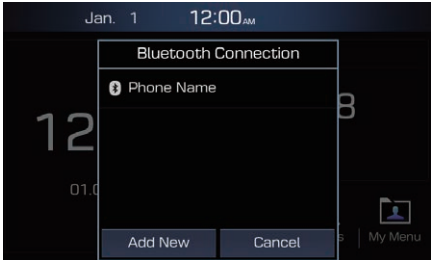
The vehicle name above is an example. Check the actual information on the product.

Connecting Bluetooth Devices

Connects the Bluetooth devices that you add.

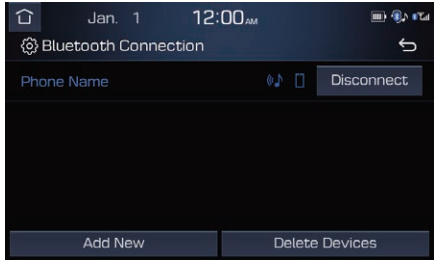
Connecting Devices by Selecting Phone/Call

Press the key or key in the steering wheel control. ▶ Select the name of the device to connect. ▶ Connect Bluetooth.



Connecting Devices Through the Phone Settings

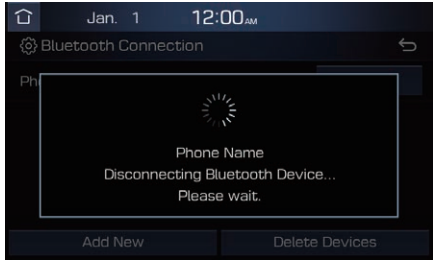
Press the SETUP key. ▶ Select Phone. ▶ Select Bluetooth Connection. ▶ Select the name of the device to connect. ▶ Connect Bluetooth.



Disconnecting Bluetooth Devices

Disconnects Bluetooth devices that are connected.

Press the SETUP key. ▶ Select Phone. ▶ Select Bluetooth Connection. ▶ Select the name of the device to disconnect.



Deleting Bluetooth Devices

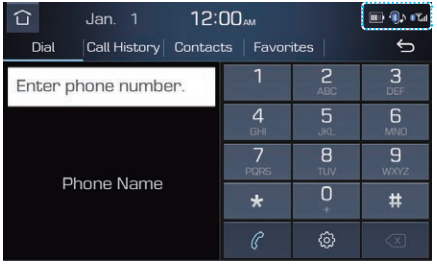
Deletes the Bluetooth devices that you added. Note that deleting a Bluetooth device will delete all Call History and Contact Info downloaded along with it.

Press the SETUP key. ▶ Select Phone. ▶ Select Bluetooth Connection. ▶ Select Delete Devices. ▶ Select the device name to delete. ▶ Select Delete.

Bluetooth Phone

Phone Status Icons

Shows the current phone status in the right top of the display.



Icons	Description
	You can use Bluetooth phones when a Bluetooth Hands-free connection is established.
	You can use Bluetooth audio features when a Bluetooth audio connection is established.
	You can use Bluetooth phones and audio features when both Bluetooth Hands-free and audio connections are established.
	Call signal strength indicator
	Battery level of the Bluetooth devices connected
	Downloading Call History list
	Downloading Contacts
	In a Bluetooth phone call
	Microphone muted

Information

- The battery level icon and the call signal strength indicator may not be supported in some Bluetooth devices.
- The battery level may differ from the actual level remaining.

Dial

Dials a call after the Bluetooth devices are connected.

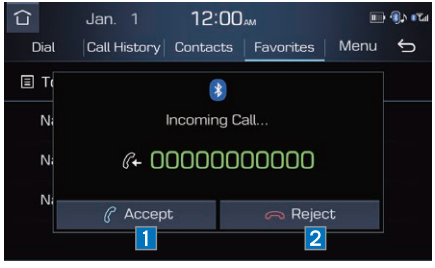
- Press the key or key in the steering wheel control.
- You can also select All Menus icon, and then Phone icon.

Name	Description
1 Keypad	Use the keypad to enter the phone number that you want to call. Press and hold the last number of a speed dial to dial a number that you added to the Speed Dial list in the phone
2 Call	Makes a call after you dial a number and select CALL. If the number is listed in Dialed Calls, you can select the number and press CALL to automatically dial that number again.
3 Settings	Moves to a screen of Phone settings.
4 Delete	Deletes the numbers that you entered.

Information

- Some types of mobile phones may not support the Speed Dial function.

Accept/Reject Call



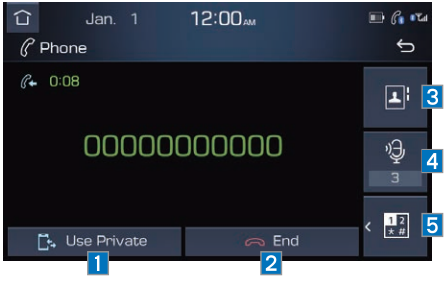
If there is an incoming call after you made a Bluetooth connection, a popup message will appear.

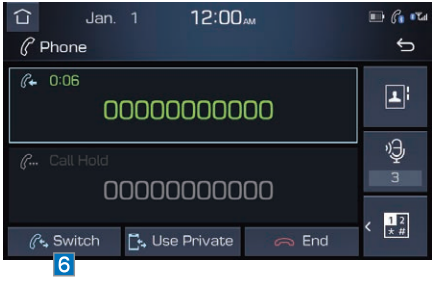
Name	Description
1 Accept	Answers the call.
2 Reject	Ignores the call.

Information

- In some mobile phones, the caller's number may not be displayed, and the Reject feature may not be supported.

Using the Menu During a Phone Call





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

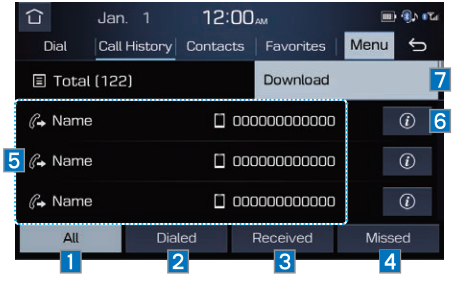
Name	Description
1 Use Private	Switches a voice call from the car Hands-free to the mobile phone.
2 End	Ends a call.
3 Contacts	Displays the Contacts list.
4 Outgoing Volume	Displays the Mic Volume settings. You can adjust the in-call volume that the other party hears (level 1 - 5).
5 Keypad	Moves to a screen for entering numbers.
6 Switch	Switches to a call on hold, if any. You can also switch calls by selecting the number in the Information Display. The Switch function switches the current call to a waiting call in order to answer a new incoming call.

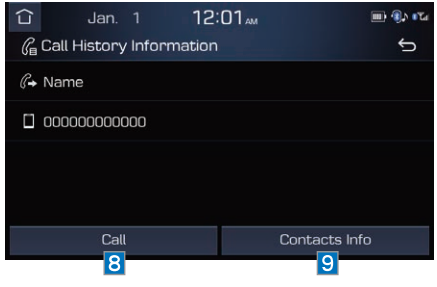
Information

- If the caller's number is listed in Contacts, the caller's name will be displayed. Otherwise, only the number will be displayed. In some mobile phones, the phone number may not be displayed.
- In some Bluetooth devices, the Use Private feature may not be supported.
- In some Bluetooth devices, the Switch feature may not be supported.
- During a phone call on a Bluetooth Hands-free, you cannot access other modes, such as Radio and Setup.
- Depending on handset types, the in-call volume the other party hears may differ. If the other party hears your voice too low or too loud, adjust the mic volume.

Call History

Press the key, and then Call History.





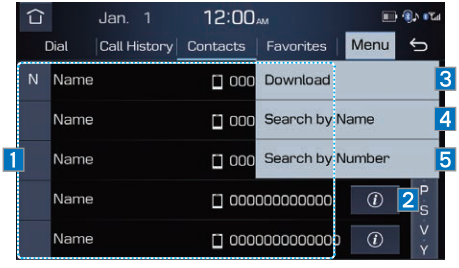
Name	Description
1 All	Lists the all call history.
2 Dialed	Lists the calls that you made.
3 Received	Lists the calls that you have received.
4 Missed	Lists the calls you missed.
5 Call History	Displays all of your call history. Select from the list to dial the number.
6 Information	Displays the details of your call history information.
7 Download	Downloads the call history information from your mobile phone.
8 Call	Dials the selected number in your Call History Information.
9 Contacts Info	Goes to the Contact Information screen if the number has been stored.

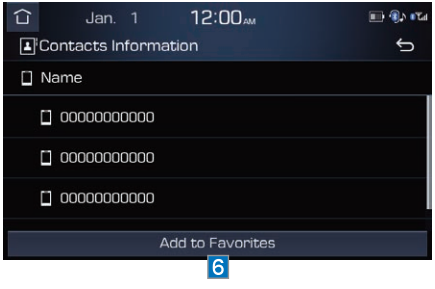
Information

- In some mobile phones, call records may not be added to your Call History.
- Calls from restricted ID's are not added to your Call History Information.
- Up to 50 calls can be added in each Dialed Calls/Received Calls/Missed Calls list.
- The durations of each dialed/received call are not displayed in your car's Call History list.
- While the call history download is in progress, the status bar displays an icon ( ).
- If the call history download is turned off on the Bluetooth device, the call history download will fail.
- Some devices require a device authentication for downloading your call history. If download fails, check if the Bluetooth settings or display status are normal.
- Some devices do not support call history download. Check if your Bluetooth device supports download feature.

Contacts

Press the key, and then Contacts.





Name	Description
1 Contacts List	The list of Contacts. Select from the list to dial the number.
2 Information	Displays contact information.
3 Download	Downloads contacts from your mobile phone.
4 Search by Name	Searches Contacts for the name that you enter.
5 Search by Number	Searches Contacts for the number that you enter.
6 Add to Favorites	Adds a phone number to Favorites.

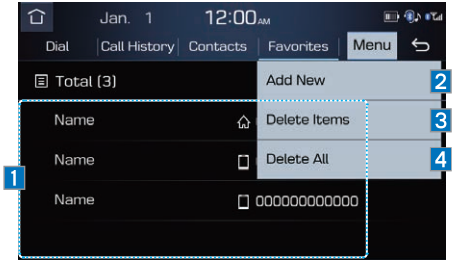
Information

- Up to 5000 phone numbers can be downloaded from a single, paired Bluetooth device.
- You cannot edit or delete downloaded phone numbers from your car.
- Contacts can be viewed only when the Bluetooth device is connected.
- Even if the Bluetooth device is disconnected, the downloaded data will remain. (Note that deleting a paired phone will also delete all downloaded Contacts and Call History data)
- Downloaded phone numbers may be lost depending on the condition of the head unit. Keep your important data in a safe place.
- Contacts from both the SIM card and your mobile phone are downloaded at the same time by default.
- The status bar displays a ( ) while downloading contacts.
- The download will not be available if the contacts download function is turned off on your Bluetooth device.

- Some devices require a device authentication for downloading your contacts. If download fails,check your phone screen and confirm the download if necessary.
- Some devices do not support contacts download feature. Check if your Bluetooth device supports contacts download.

Favorites

Press the key, and then Favorites.



Name	Description
1 Favorites	Lists the phone numbers saved as Favourites. Select from the list to dial the number.
2 Add New	Adds a new number to Favorites.
3 Delete Items	Deletes numbers that you select from Favorites.
4 Delete All	Deletes all of the numbers from Favorites.

MEMO

part.4 Other Features

Camera

Camera

WARNING

- Backing Up & Using Camera

- Never rely solely on the rear view camera when backing up. Prior to entering your vehicle always do a visual check of the area behind your vehicle, and before backing up be aware of your surroundings and supplement the rear view camera by looking over your shoulders and checking your rear view mirrors. Due to the difficulty of ensuring that the area behind you remains clear, always back up slowly and stop immediately if you even suspect that a person, and especially a child, might be behind you.

Information

- A separate chipset is used for the camera screen while booting up, so it may be different after booting up.

Steering-linked Camera

- This device is connected to a rear detection camera to see behind the car for safe reversing.
- The Rear View Camera turns on automatically if you shift the gear to R when the power is on or the engine has started.
- While the device boots up, shift the gear to “R” to activate the rear detection cameras. Shift the gear to another position to deactivate the rear detection camera.

NOTICE

- A wide-angle lens is installed as the rear detection camera to get a wider view, so there may be some difference between the actual distance and the distance that appears. on-screen. For safety, make sure to view the back, right, and left sides of the car for yourself.
- The color of the parking guidelines displayed in the picture may differ from the actual screen.
- When booted up, blinking may occur when you switch to a UI screen.

Name	Description
1 Red Line	About 0.5m from the rear bumper
2 Yellow Line 1	About 1m from the rear bumper
3 Yellow Line 2	About 3m from the rear bumper
4 Yellow Line 3	Trajectory of the wheel on the driver’s side
5 Yellow Line 4	Trajectory of the wheel on the passenger side
6 Blue Line	Neutral steering trajectory

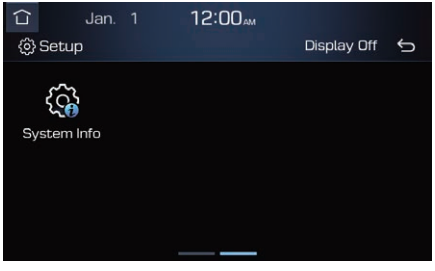
As you reverse your car and monitor the area behind your car, the steering-linked driving trajectory and the neutral driving trajectory are both displayed.

part.5 Setup

Setup
Sound Settings
Display Settings
Phone Settings
Date/Time Settings
Language Settings
Keyboard Settings
Screen Saver Settings
System Info

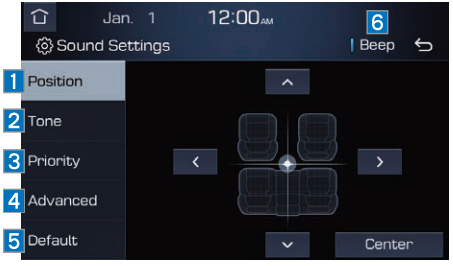
Setup

The Setup screen is used to control the system settings of the Multimedia System. To enter the screen, press the SETUP key or the Setup icon in All Menus.



Sound Settings

Adjusts the sound effects for the whole system.



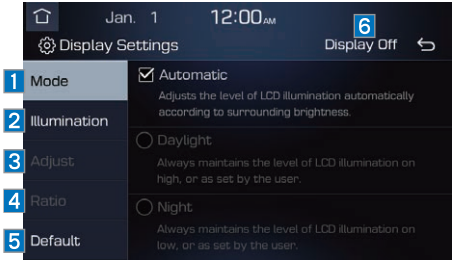
Features	Description
1 Position	Select the Up/Down/Left/Right button to control sound positioning. Select Center to concentrate the sound on the center of vehicle.
2 Tone	Drag the slide bar to control Bass/Middle/Treble settings. Select Center to initialize the settings.
3 Priority	Sets the volume priority for Rear parking sensors prioritised, and volume limitation on startup.
4 Advanced	Select additional audio options such as “Speed Dependent Volume Control” that automatically controls Audio volume according to vehicle speed.
5 Default	Resets the sound to factory default settings.
6 Beep	Select to activate a beep when pressing buttons.

Information

- Advanced sound settings may differ according to selected AMP option.
- The seat shape may differ according to vehicle model.

Display Settings

Adjusts the level of illumination for the entire system.



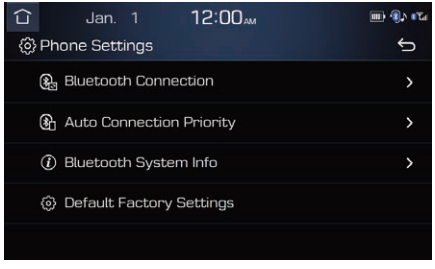
Features	Description
1 Mode	Select any of LCD illumination change modes: Automatic (changes the level automatically), Daylight, and Night.
2 Illumination	Set the levels of illumination for day and night.
3 Adjust	Adjust the hue, contrast and saturation of the screen by dragging the sliders.
4 Ratio	Aspect ratio can be switched between Normal, Full and Wide. This option is available only when in video mode.
5 Default	Resets the display to factory default settings
6 Display Off	Provides the Display Off (touch activation) function.

Phone Settings

Changes Bluetooth phone settings.

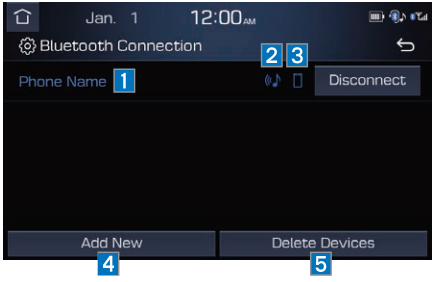
Phone Settings

Press the SETUP key ▶ Select Phone icon.



Bluetooth Connection

Press the SETUP key ▶ Select Phone ▶ Select Bluetooth Connection.



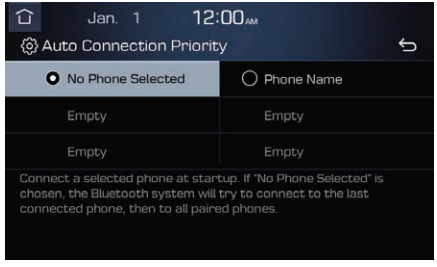
Features	Description
1 Paired Device List	Displays the paired Bluetooth device list. When selecting from the list, the device is connected or disconnected.
2 Bluetooth Audio Connection Status	An icon appears when you make a Bluetooth Audio connection.
3 Bluetooth Hands-Free Connection Status	An icon appears when you make a Bluetooth Hands-free connection.
4 Add New	Register a new Bluetooth device.
5 Delete Devices	Select and delete a paired device.

Information

- Up to 5 Bluetooth devices can be paired.
- Only one Bluetooth device can be connected at a time.
- During a Bluetooth device connection, another device cannot be paired.
- When you delete a paired device, the Call History and Contacts stored in the head unit are also deleted.
- Bluetooth Hands-free and Bluetooth Audio functions are supported.
- Hands-free and audio-supported devices, such as a Bluetooth smartphone or audio, will function normally.
- When a Bluetooth device is connected, if the Bluetooth connection is unexpectedly disconnected, due to being out of communication range, the device powering off, or a Bluetooth communication error, the Bluetooth device automatically searches for and connects to nearby Bluetooth devices.
- If the system is not stable, due to a vehicle-Bluetooth device communication error, restore the Default Factory Settings.
- For Default Factory Settings, the bluetooth settings are reset to factory settings.
- Press the SETUP key ▶ Select Phone ▶ Select Default Factory Settings.

Auto Connection Priority

Press the SETUP key ▶ Select Phone ▶ Select Auto Connection Priority.

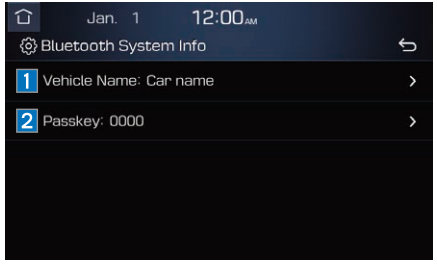


When the engine is running, the selected Bluetooth device is automatically connected. If you fail to connect the selected device, the previously-connected device is automatically connected, and if it also fails, then it tries to connect all paired devices sequentially.

Depending on auto connection priority, connection to a device may take time.

Bluetooth System Info

Press the SETUP key ▶ Select Phone ▶ Select Bluetooth System Info.



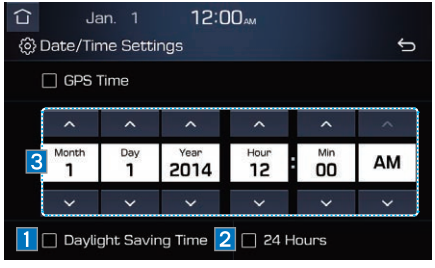
Features	Description
1 Vehicle Name	You can change the Bluetooth device name of the vehicle.
2 Passkey	You can change the passkey used for Bluetooth device authentication. the initial passkey is 0000.

Information

- The vehicle name above is an example. Check the actual information on the product.

Date/Time Settings

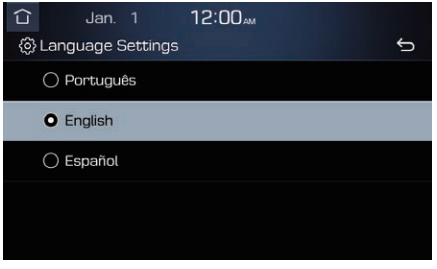
Configure the settings for time and date. Using the arrow buttons, you can change the values. Date/Time settings do not automatically change when crossing into different time zones. The time must be changed manually on this screen.



Features	Description
1 Daylight Saving Time	The daylight saving time (DST) is applied.
2 24 Hours	The time display is set in 24-hour format.
3 Direct entry	If you tap any value, you can directly enter the number in the following screen.

Language Settings

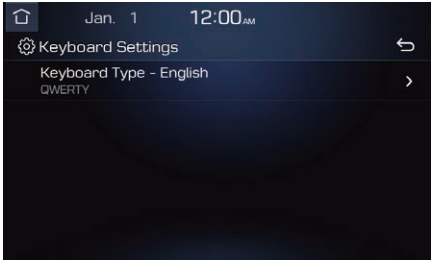
You can configure the displayed system language.



When the language is changed, the system language is automatically changed.
Unique data including MP3 file name is not changed.

Keyboard Settings

You can configure the keyboard layout for each language.



You can configure ABCD or QWERTY keyboards for the system.

Information

- Configured keyboard layouts are applied to all input modes.

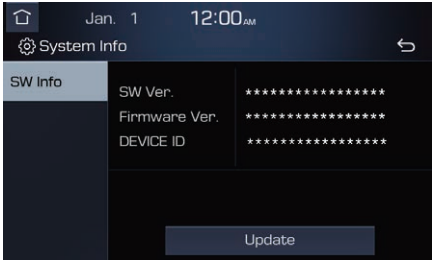
Screen Saver Settings

You can select any of the following screen formats to be displayed when the screen or power is turned off.

- Digital clock and date
- Analog clock and date
- None

System Info

At the System Info screen, software version information, updates, and storage status details are available.



Features	Description
SW Info	System version information and update details are available. Select the Update button to update the system. After update is complete, the system will reboot automatically.

System Update

At the System Info screen, insert the updated memory (USB or SD card) with the latest file downloaded, and then select the Update button to begin updating. The system will then reboot automatically.

Information

- This product needs supplemented software updates and additional functions, which collectively may take some time to complete, depending on the amount of data.

CAUTION

- If the power is disconnected or the USB or SD card is removed during an update, the data might be damaged. Please do not turn off the vehicle while an update is in progress.

MEMO

part.6 Appendix

Product Specification
Troubleshooting
FAQ

Appendix

Product Specification

TFT-LCD

Screen Size	7 inch (154.08 x 85.92 mm)
Resolution	384,000 pixels (Resolution: 800 x 480)
Operating Method	TFT(Thin Film Transistor) Active Matrix
Viewing Angle	Left/Right: ALL 80˚, Top/Bottom: 60˚/80˚
Internal Lighting	LED

Radio

Channels	FM: 76.1 MHz ~ 107.9 MHz(Step: 100 kHz)
	AM: 530 kHz ~ 1710 kHz(Step: 10kHz)
Sensitivity	FM: Under 10 dBu/AM: Under 40 dBu
Distortion Factor	Within 1%

Common

Name	Car TFT LCD Display Audio Unit		
Power Supply	DC 14.4V	Operating Power	DC 9V ~ DC 16V
Current Consumption	Max 10A	Sleep Current	2mA (Head Unit Only)
Operating Temperature	-20 ~ +70°C (-4 ~ +158°F)	Storage Temperature	-30 ~ +80°C (-22 ~ +176°F)
Dimensions	232 x 160 x 183 mm		
Weight	1.7 kg		

Bluetooth® Wireless Technology

Frequency Range	2400 ~ 2483.5 MHz	Supported Bluetooth® Specification	3.0
Supported Profile	Handsfree (1.6), A2DP (1.2), AVRCP (1.5), PBAP (1.1), GAVDP (1.2)		
Output	2 dBm (Conductive)		
Number of Channels	79 channels		

CAUTION

- The producer and installer cannot provide services related to life safety as the concerned radio equipment is liable to radio interference.

Troubleshooting

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 Hyundai 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 Hyundai dealer for assistance
Sound is working from only one speaker	• Are the positions of Fader or Balance sound controls adjusted to only one side?

Problem	Possible Cause
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?
Upon 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

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 Hyundai dealer
	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 Hyundai dealer

Problem	Possible Cause	Countermeasure
The image color/tone quality is low	• The brightness, saturation, hue, and contrast levels are not set properly	• Properly adjust the brightness, saturation, hue, and contrast levels through Display settings
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
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 color/tone quality is low	• The device will return to normal once vibrations stop

Problem	Possible Cause	Countermeasure
The USB does not work	• USB memory is damaged	• Please use the USB after formatting it.
	• 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

Problem	Possible Cause	Countermeasure
The iPod is not recognized 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 recognize downloads	• Reset the iPod and reconnect with the device
Bluetooth does not work or its limited functions are available	• Bluetooth on your mobile phone is set to OFF	• Set it to ON
	• The Bluetooth connection is not made	• Make the connection active

Information

- While operating the device, if an abnormality occurs that cannot be corrected with the above described measures, press the RESET key to reset the system.
- Press and hold the RESET key (more than 1 second). The device power will turn off and the system will reset.

FAQ

About Pairing Mobile Phones

Q I cannot pair my mobile phone. What is the cause?

A Check to see that the mobile phone supports Bluetooth® function. Verify if Bluetooth on the cell phone is set to OFF. If so, set it to ON. If the cell phone still can't be registered, try again after turning Bluetooth off and on, or delete the device registration on the multimedia system and cell phone and then register the cell phone again.

Q What is the difference between pairing a mobile phone and connecting a mobile phone?

A Pairing occurs through authenticating the head unit and mobile phone. Mobile phones paired to the head unit can be connected and disconnected until the paired mobile phone is deleted from the system. Bluetooth® Handsfree features, such as making/answering calls or managing contacts, are supported only in mobile phones connected with the head unit.

Q What is a Passkey?

A A passkey is the password used to authenticate the connection between the head unit and mobile phone. The passkey only needs to be entered once when pairing the mobile phone for the first time.

The initial passkey is 0000. You can change it with SETUP ▶ Phone ▶ Bluetooth System Info ▶ Passkey menu options.

About Making/Answering Phone Calls

Q How can I answer a call?

A When there is an incoming call, a notification pop-up will become displayed. To answer the incoming call, select the Accept button on the screen or press the key on the steering wheel control.

To reject the call, select the Reject button on the screen or press the key on the steering wheel control.

Q What should I do if I am talking on the Handsfree but want to switch the call to the mobile phone?

A While on a call, press and hold (more than 0.8 seconds) the key on the steering wheel control or select the Use Private button at the bottom of the Phone screen to switch the call to your mobile phone.

About *Bluetooth*® Wireless Technology/ Head Unit Use Environment

Q What is the range of my wireless connection?

A The wireless connection can be used within 15 yards.

Q How many mobile phones can be paired?

A It is possible to pair up to five mobile phones.

Q Why is call quality sometimes poor?

A Check the reception sensitivity of the mobile phone when call quality becomes worsened. The call quality may deteriorate when the signal strength is low. Call quality may also worsen if metal objects, such as beverage cans, are placed near the mobile phone. Check to see if there are metal objects in the vicinity of the mobile phone. The call sound and quality may differ depending on the type of mobile phone.

Important Information

Before using your Multimedia system, read and follow all instructions and safety information provided in this end user manual (“User’s Guide”). Not following precautions found in this User's Guide can lead to an accident or other serious consequences.

Keep User’s Guide in Vehicle

When kept in the vehicle, the User’s Guide will be a ready reference for you and other users unfamiliar with the Multimedia system. Please make certain that before using the system for the first time, all persons have access to the User’s Guide and read its instructions and safety information carefully.

Warning

Operating certain parts of this system while driving can distract your attention away from the road, and possibly cause an accident or other serious consequences. Do not change system settings or enter data non-verbally (using your hands) while driving. Stop the vehicle in a safe and legal manner before attempting these operations. This is important since while setting up or changing some functions as you may to distract your attention away from the road and remove your hands from the wheel.

General Operation

Prolonged Views of Screen

Do not access any function requiring a prolonged view of the screen while you are driving. Pull over in a safe and legal manner before attempting to access a function of the system requiring prolonged attention. Even occasional short scans to the screen may be hazardous if your attention has been diverted away from your driving task at a critical time.

Volume Setting

Do not raise the volume excessively. Keep the volume at a level where you can still hear outside traffic and emergency signals while driving. Driving while unable to hear these sounds could cause an accident.

MEMO

MEMO

MEMO

MEMO

MEMO

MEMO

FCC Warning

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

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

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

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.
This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.
This equipment should be installed and operated with minimum 20 cm between the radiator and your body.
This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.