Support - Hotline

Web Site : http://www.navigation.com/hyundai

International Toll Free Number: 00800 18 23 53 22

Telephone number for all other countries (or if Toll Free numbers are not supported) : +31 555 384 245





Car Navigation System

OWNER'S MANUAL





Thank you for purchasing this Car Navigation system.

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

Precautions for safety

Safety notes



A

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.

7

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



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



Do not drop it and avoid heavy impacts at anytime.



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

WARNING:

- Don't use a cellular phone when you are driving. You must stop at a safe place to use a cellular phone.
- The use of the navigation radio by no means relieves the driver of his/her responsibilities. The highway code must always be observed. Always observe the current traffic situation.
- The applicable traffic regulations and the prevailing traffic situation always take precedence over the instructions issued by the navigation system if they contradict one another.
- For traffic safety reasons, use the navigation system menus only before starting a journey or when the vehicle is stationary.
- In certain areas, one-way streets and turn off and entry prohibitions (e.g. pedestrian zones) are not recorded. In areas such as these the navigation system will issue a warning. Pay particular attention to one-way streets and turn off and entry restrictions.

• The navigation system does not take the relative safety of the suggested routes into consideration.

Road blocks, building sites, height or weight restrictions, traffic or weather conditions or other influences which affect the route safety or travel time are not taken into consideration for the suggested routes. Use your own discretion in order to decide on the suitability of the suggested routes.

- The current legal road traffic speed limit always takes priority over the values saved on the data. It is impossible to provide an assurance that the speed values of the navigation system will always match those of the current traffic regulations in every situation.
- Do not rely exclusively on the navigation system when attempting to locate an emergency service (hospital, fire service etc.). It cannot be guaranteed that all available emergency services in your vicinity are saved in the database. Use your own discretion and abilities to secure help in such situations.

CAUTION:

- Do not keep the navigation system running with the engine stopped. Doing so may discharge the vehicle battery. When you use the navigation system, always keep the engine running.
- 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.

C € 0197①

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General information

About USB

- Heed caution to static electricity when connecting/disconnecting external USB devices.
- Encoded MP3 Players will not be recognised when connected as an external device.
- When connecting an external USB device, the device may not properly recognise the USB is in some states.
- Only USB devices formatted as FAT 12/16/32, exFAT 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.
- The amount of time required to recognise the external USB device may differ depending on the type, size, or file formats stored on the USB. Such differences in required time are not indications of malfunction.
- The device may not recognise the USB device if separately purchased USB hubs and extension cables are being used. Connect the USB directly with the multimedia terminal of the vehicle.
- When application programmes 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 recognised as portable disk drives) are connected with the device.

- Charging through the USB may not work for some mobile devices.
- The device may not support normal operation when using a USB memory type 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 recognised.

MP3 file Information

- Sampling frequency: 8 ~ 48 KHz (MP3), 8 ~ 96 KHz (WMA)
- Bit rate: 8 ~ 320 Kbps (MP3), 8 ~ 768 Kbps (WMA)
- Version: Any version (WMA)
- Playable file format: ".mp3"/ ".wma"

Image file Information

Playable file format: ".bmp", ".jpg", ".gif", ".png"

Using iPod Devices

Precautions upon using iPod

iPod® is a registered trademark of Apple Inc.

- Some iPods 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 synchronisation to iTunes. Unauthorised 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.

Supported iPod devices

iPhone6, iPhone6Plus iPhone5C, iPhone5S, iPhone5 iPhone4S, iPhone4 iPhone3GS, iPhone3G, iPhone iPod Touch (1st through~ 5th generation) iPod Nano (1st through~ 7th generation) iPod Classic (1st through~ 6th generation) iPad WiFi (1st through~ 4th generation) iPad Air WiFi (1st ~2nd generation) iPad Mini (1st ~2nd generation)

Cautions upon using SD Cards

Ejecting and Inserting SD Cards

- Ejecting and inserting SD cards while the system is operating may result in SD Card or System errors. To eject or insert the SD card, first turn off the system and the vehicle should be off status.
- Eject/insert SD cards only to update the map with a new version.
- When a SD Card with the new version is inserted, then the system will reboot automatically.

Usage of SD Cards

- The SD Card is formatted to include only Map and new Navi S/W.
- The SD Card cannot be used to save and play Music.
- Do not add, delete, or format files within the SD Card.

Name of each component

Head unit



1. MAP button

Press to display the map screen of the current location when in a different mode.

2. 🕻 button

Press to operate Bluetooth Hands-Free function.

3. V/Λ button

- When it is pressed shortly (less than 0.8 sec.)
- FM/AM/DAB (option) mode: plays previous/next station.
- MEDIA mode: plays previous/next file.

- When it is pressed and held (0.8 sec. or longer)
- FM/AM/DAB (option) mode: tunes continuously along the band until the button is released. Then tuning is stopped at the next available station.
- MEDIA mode: rewinds or fast forwards the file.

4. • (¹) button

Power on
 Press this button in system OFF status.
 Power off

Press this button in system ON status.

• Volume control knob (🚄)

Turn counterclockwise or clockwise to control volume.

5. RADIO button

Converts to the last played radio mode (FM/ AM/DAB (option)).

When system is already displaying the radio screen then each time the button is pressed, the mode is changed in the order FM -> AM -> DAB (option) -> FM.



6. MEDIA button

Press to select a media source: [USB Music]/ [iPod]/ [Bluetooth Audio]/ [AUX]

7. • 🔨 button

- FM/AM/DAB (option) mode: turn left/ right to tune manually (FM/AM) or to search for a desired station and then press it (DAB (option)).
- MEDIA mode: turn left/right to search for the desired file and press it.
- Navigation mode: turn left/right to change the map scale on the map screen.

• (*i* button)

Press to repeat the voice guidance on the map screen.

8. 🗘 button

- Press to move to the [Settings] menu.
- Press and hold to check Software version, Navigation version, Map database version, and Firmware version.

9. (i) button

Press to check the destination, route, traffic information, and satellite status.

• [Destination]: shows the information of current position and destination.

- [On route]: Displays traffic information along the route.
- [Nearby]: Displays traffic information nearby current vehicle position.
- [SS]: Displays the GNSS satellite status.

10. Reset hole

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

11. Cover for protecting SD card (SD card insert slot)

Insert the SD card into the slot.

Steering wheel remote control



1. Seek up/down (∧/∨) button

- When it is pressed shortly (less than 0.8 sec.)
- FM/AM/DAB (option) mode: plays previous/next station.
- MEDIA mode: plays previous/next file.
- When it is pressed and held (0.8 sec. or longer)
- FM/AM/DAB (option) mode: tunes continuously along the band until the button is released. Then tuning is stopped at the next available station.
- MEDIA mode: rewinds or fast forwards the file.

2. Volume (VOL+/VOL-) button

Increases or decreases the volume level.

3. MUTE button

Press to mute the sound.

4. MODE button

- Each time this button is pressed, the Radio or Media mode is changed.
- If the media is not connected, corresponding modes will be disabled.

5. C button

Press to operate Bluetooth Hands-Free function.

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

6. 🗢 button

Press to hang up a call.

Basic operation

Starting the system for the first time

1. Press the engine start button or set the ignition key to On or ACC.



The system memorises the last mode that was played. The last mode is saved in the memory even if the ignition switch is placed in the OFF position. When the ignition switch is placed in the ACC or ON position, the mode is automatically recalled.

Turning the system on

Press "()" on the head unit in system OFF status.

Note

Pay attention to the volume setting when turning the system on. A sudden output of extreme volume upon turning the system on could lead to hearing impairment. Adjust the volume to a suitable levels before turning off the system.

Turning the system off

Press " \bigcirc " on the head unit in system ON status.

Adjusting the volume

Rotate the volume control knob () on the head unit.

Note

When you turn the system off, the current volume level is automatically memorised. Whenever you turn the system on, it operates at the memorised volume level.

Using the Touch screen

Press the desired menu on the screen to select a menu.





Press **[5]** to move to the previous screen.

Listening to FM/AM radio

- 1. Press "RADIO" on the head unit.
- 2. Press [Radio▲] > [FM] or [AM] on the screen.

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



Note

Each time the "RADIO" button on the head unit is pressed, the mode is changed in the order FM \rightarrow AM \rightarrow DAB (option) \rightarrow FM.

3. Auto tuning:

- Press [Ⅰ◀◀ / ▶▶Ⅰ] on the screen.
- Plays previous/next station.
- Press and hold [I◀◀ / ▶▶] on the screen.
- Changes continuously the station until the button is released.

Manual tuning:



- The frequency moves up and down accordingly.

Preset tuning:

Press [Presets]. Press the preset numbers of the desired broadcast station.

Opening the station list sorted in alphanumerical order

You can see station list with superior reception.

- 1. Select the band (FM, AM) you want.
- 2. Press [List].



Autostore (AM only)

This function lets you automatically store the strong broadcast stations.

- 1. Select the AM band.
- 2. Press [List].



3. Press [2]

Presetting FM/AM

Saving FM/AM preset

20 preset stations each for FM/AM modes can be saved manually.

- 1. Select the band (FM, AM) you want to store a station into.
- 2. Select the desired station.
- 3. Press [Presets].
- 4. Press the desired preset number.

Radio operation (FM/AM)

If you want to overwrite an existing preset, press and hold the respective preset number.



Deleting FM/AM preset

- 1. Select the band (FM, AM) you want.
- 2. Press [Presets] > [



Press [X] > [Yes].
 Press [m] > [Yes] to delete all presets.

Setting the FM/AM options

- 1. Select the band (FM, AM) you want.
- 2. Press [Options].
- 3. Press the desired option.

REG	00:46			
FM Options	P1 104.30 MHz			Û
Scan		►	Start	
ТА		I	Off	
Region		l	Auto	
Sound setting	JS			

Scan

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

Press [► Start].

Press [■ Stop] to stop the scan function.

ΤА

TA function allows the system to switch to traffic announcement (TA) from the current source. Press [On] or [Off].

• [On]: Traffic programmes and announcements can be automatically received by using TA features.

• [Off]: Traffic programmes and announcements cannot be received.

Region Auto/Off (FM only)

This setting is effects regional FM stations only. Regional stations belong to the same broadcast network, but can send in different audio content to different regions, for example during news broadcast.

Press [Auto] or [Off].

- [Auto]: System will stay on the current tuned regional station as long as the signal is available, before switching to a regional alternative.
- [Off]: System switches faster to the next stronger available regional alternative.

Sound settings

For details refer to Page 51 ("Sound").

Radio operation (DAB) - Option

Listening to DAB

- 1. Press "RADIO" on the head unit.
- Press [Radio▲] > [DAB] on the screen. The DAB-Now Playing Screen will be displayed.



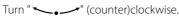
Note

Each time the "RADIO" button on the head unit is pressed, the mode is changed in the order $FM \rightarrow AM \rightarrow DAB \rightarrow FM$.

3. Auto tuning:

- Press [I← / ▶ ▶] on the screen.
- Plays previous/next station.
- Press and hold [►►/►►] on the screen.
- Plays the first/last station on next/ previous frequency.

Manual tuning:



Preset tuning:

Press [Presets]. Press the preset numbers of the desired broadcast station.

Opening the station list

You can see station list with superior reception.

- 1. Select the DAB band.
- 2. Press [List].



3. Press [Ensemble], [Station] or [PTY] to sort the station list accordingly.

DAB Presets

Saving DAB preset

A total of 20 stations for DAB can be saved as preset.

- 1. Select the desired station.
- 2. Follow the steps 3~4 of the "Saving FM/AM preset" on Page 14.

Deleting DAB preset

- 1. Select the DAB band.
- 2. Follow the steps 2~3 of the "Deleting FM/ AM preset" on Page 15.

Setting the DAB options

Scan

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

- 1. Select the DAB band.
- 2. For details refer to Page 15 ("Scan").

Radio operation (DAB) - Option

ТΑ

TA function allows the system to switch to traffic announcement (TA) from the current source.

- 1. Select the DAB band.
- 2. For details refer to Page 15 ("TA").

Service following

This function allows a receiver to switch seamless to the same broadcast network in FM, when the DAB signal becomes weak. As soon as the DAB signal is back the system will retune seamless to DAB.

- 1. Select the DAB band.
- 2. Press [Options].

REG 00:48			
DAB Options			U
Scan	▶	Start	
ТА	1	Off	
Service following	I	On	
L-Band	1	Off	
Sound settings			

3. Press [On] or [Off].

L-Band

You can select whether you want to receive the L-Band or not.

- 1. Select the DAB band.
- 2. Press [Options].

REG 00:48			
DAB Options			υ
Scan	▶	Start	
ТА	I	Off	
Service following	1	On	
L-Band	I	Off	
Sound settings			

3. Press [On] or [Off].

Sound settings

1. Press [Options] > [Sound settings] in the radio screen.

REG	01:00			
Sound settings				U
Balance				
Advanced				
Volume				
Веер		l .	On	

2. For details refer to Page 51 ("Sound").

Playing USB music

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

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



Note

To play USB music while a different source is playing, press [MEDIA] > [Media \blacktriangle] > [USB Music].

Pause

You can pause the playing file. Press [**II**] during playback. Press [**▶**] to play it again.

Skip

You can play the previous or next file.

Position	Description
Screen	 Press [I < / > Pressing [I <] after 3 seconds of playback time plays the current file from the beginning.
Head unit	 Press "V/Λ". Pressing [V] after 3 seconds of playback time plays the current file from the beginning.

Search

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

Position	Description
Screen	Press and hold [Idd/DDF] and then release at the point you want.
Head unit	Press and hold " V/Λ " and then release at the point you want.

Seek

You can play the file directly by searching for the desired file.

- 1. Turn " ----- " to search for a desired file.
- 2. If the desired file is displayed, press the "------" to play the file.

List

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

1. Press [List].

	REG	07	:26		
USB	music	 List 01.	The Whole Nir	ne Ya	Ð
Ł	iii 01	. The Whole	e Nine Yards -	Ope	
	, 1 02	. Between (Clam And Pass	sion	1
🎜 03. What A Coincidence.mp3			З		
	, 1 04	. Take Five.	mp3		▼
Fo	lder	Artist	Song	Albu	m

2. Press the desired file name after searching in the files list. The list can be sorted by [Folder], [Artist], [Song], or [Album] by pressing the respective softkey on the lower bar.

Note

Press [1] to move to upper folder.

USB Operation

Scan

This function plays the first 10 seconds of the songs to provide a preview.

1. Press [Options] > [Scan].



- 2. Press the desired item.
 - [All]: Plays the first 10 seconds of each song.
 - [Folder]: Plays the first 10 seconds of each song within the current folder.
 - [Off]: Cancels the scan function.

Repeat

This function provides the possibility to play a set of files repeatedly.

1. Press [Options] > [Repeat].



- 2. Press the desired item.
 - [All]: Repeats the whole files list.
 - [Folder]: Repeats the files of the current folder.
 - [Track]: Repeats the current file, only.

Note





Shuffle

Playing files in random order.

1. Press [Options] > [Shuffle].

REG OC):53	
USB music Options	01. The Whole Nin	ŋ
Scan		O
Repeat		O
Shuffle		0
🔿 🛪 All 🔿 🖬	Folder O 🕫 Off	
Sound settings		

- 2. Press the desired item.
 - [All]: Plays all files randomly.
 - [Folder]: Plays all files within current folder randomly.
 - [Off]: Cancels the shuffle function.

Note

You can set or cancel the Shuffle function by pressing [22]/22] on the playing screen.

Sound settings

- 1. Press [Options] > [Sound settings].
- 2. For details refer to Page 51 ("Sound").

USB Operation

Viewing USB image

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

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

Note

To display a USB image while a different source is playing, press [MEDIA] > [Media▲] > [USB Image].

Switching to menu screen or full screen

Press the screen repeatedly.

Skip

You can view the previous or next image.

Position	Description	
Screen	Press [III/III].	
Head unit	Turn " ••••• " to the left or right.	

Zoom in/out

1. Press [**Q**] in menu screen.



- 2. Press [-/+].
- 3. Press [A / A / A] to move the image.
- 4. Press [] to return to the original image.

Rotating image

1. Press [🕐] in menu screen.



2. Press [) / C] to rotate the image.

USB Operation

List

You can search for a desired image using the images list.

1. Press [List].



2. Press the desired image.

Note

Press [11] to move to upper folder.

File info

This menu shows the folder name, file name, resolution, format and date of the current image.

1. Press [Options] > [File info].

REG	00:53	
USB image F	ile info	ŋ
Folder	РНОТО	
Name	DSC00872.JPG	
Resolution	985 x 739 Pixels	
Format	JPG	
Date	11.14.2014, 10:42	

Display settings

- 1. Press [Options] > [Display settings].
- 2. For details refer to Page 52 ("Display").

Slideshow interval(sec)

You can set the slideshow interval. The slideshow is played according to the time interval.

1. Press [Options] > [Slideshow interval(sec)].

reg 00:53	
USB image Options	ŋ
File info	
Display settings	
Slideshow interval (sec)	10 🔺
O 5 O 10 O 20 O	30
Start	

- 2. Select the slideshow interval.
- 3. Press [Start].

Note

- Press the screen once to stop the slideshow.
- Slideshow is not available while driving. (Because of traffic regulations, image is only available when your vehicle is parked.)

Playing iPod

Connect an iPod to the USB port by using the iPod cable and playback starts automatically.

Note

To play iPod while a different source is playing, press [MEDIA] > [Media \blacktriangle] > [iPod].

Pause

You can pause the playing file. For details refer to Page 18 ("Pause").

Skip

You can play the previous or next file. For details refer to Page 18 ("Skip").

Search

You can rewind/fast forward to a specific point of a file. For details refer to Page 18 ("Search").

Seek

You can play the file directly by searching for the desired file. For details refer to Page 18 ("Seek").

List

You can play the desired file by searching in the files list in the iPod Menu.

1. Press [List].

REG	00:7	19		
iPod List	Grimms' Fa	iry Tales, P	art 1	U
Album				
🕞 Genre				1
🖗 Podcast				2
Audioboo	ok			▼
Playlist	Artist	Song	Mor	`e

2. Press the desired file after searching for [Playlist], [Artist], [Song], or [More].

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.

1. Press [Options] > [Audiobook].

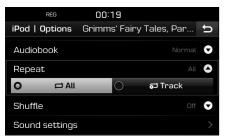
REG		00:19			
iPod Opti	ons Gri	mms' Fairy	/ Tales,	Par	υ
Audiobook					٥
O Slov	v 0	Normal	0	Fast	
Repeat					0
Shuffle					O
Sound set	tings				

- 2. Select the desired items.
 - [Slow]: Plays the audiobook with slow speed.
 - [Normal]: Plays the audiobook with original speed.
 - [Fast]: Plays the audiobook with fast speed.

Repeat

This function provides the possibility to play a set of files repeatedly.

1. Press [Options] > [Repeat].



- 2. Press the desired item.
 - [All]: Repeats the whole files list.
 - [Track]: Repeats the current file, only.

Note

🔁 : All, 🔂 : Track

Shuffle

Playing files in random order:

1. Press [Options] > [Shuffle].



- 2. Press the desired item.
 - [All]: Plays all files randomly.
 - [Off]: Cancels the shuffle function.

Note

You can set or cancel the Shuffle function by pressing [22] on the playing screen.

Sound settings

1. Press [Options] > [Sound settings].

REG	01:00		
Sound settings			Ð
Balance			
Advanced			
Volume			
Веер		I	On

2. For details refer to Page 51 ("Sound").

Auxiliary device operation

Playing an AUX source

1. Connect an auxiliary device to the AUX terminal.



2. Play the auxiliary device.

Note

- Some auxiliary devices that do not have the video source may not produce output to the video screen.
- To play auxiliary device while a different source is playing, press [MEDIA] > [Media▲] > [AUX].
- Video is not available while driving. (Because of traffic regulations, Aux Video is only available when your vehicle is parked.)

A Not available while driving. Please try again when parking.

Switching to menu screen or full screen during video playback

Press the screen repeatedly during video playback.

Display settings

1. Press [Options] during video playback.



- 2. Press the desired item.
- Adjust [Brightness], [Contrast], or [Saturation] by pressing [▲/▼].
 Press [Reset] to initialise the settings.

Sound settings

1. Press [Options] > [Sound settings].

REG	01:00	
Sound settings		ŋ
Balance		>
Advanced		>
Volume		>
Веер	l On	

2. For details refer to Page 51 ("Sound").

Playing Bluetooth audio

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 [Pairing and connecting the unit and a Bluetooth phone] on Page 44.
- 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.

Starting the Bluetooth audio

- Press [MEDIA] > [Media▲] > [Bluetooth Audio].
- 2. The Bluetooth audio screen is displayed.



Note

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

Pause

Press []] during playback.

Press []] to play it again.

Note

This feature may not be supported in some Bluetooth devices.

Skip

You can play the previous or next file. For details refer to Page 18 ("Skip").

Note

This feature may not be supported in some Bluetooth devices.

Sound settings

- 1. Press [Options] > [Sound settings].
- 2. For details refer to Page 51 ("Sound").

Precautions for safe driving

Please observe and comply with local traffic rules and regulations.

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

What is GNSS?

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

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

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

About satellite signals

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

Acquiring satellite signals

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

- 1. Go outside to an area free from tall obstructions.
- 2. Turn on the unit.

Acquiring satellite signals can take a few minutes.

Initial navigation screen

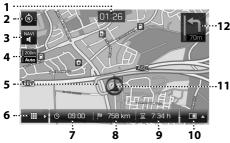
When you enter a navigation mode for the first time, the caution screen is displayed on the screen. Read the caution carefully and then press [Agree].

- If you want to change the system language, press [Language]. For details refer to Page 53 ("Language").
- If there is no operation for 10 seconds in the caution screen the system automatically switches to the navigation screen.

Operating Navigation Screen

The navigation system displays various information on the screen.

Map screen



1. Clock display

Displays current time.

2. Map button

Changes the map view perspective.

Press [🛞], [🛞] or [🛞].

- (heading up (2D)): Displays always the vehicle's direction as proceeding towards the top of the screen.
- (Bird view (3D)): The map displays always the basic outline and details of the surrounding roads and general area.

- (north up (2D)): The map will always point north, regardless of the direction that the vehicle is moving.

3. [🏹 / 🙀] button

Adjusts the navigation volume. For details refer to Page 29 ("Navigation volume").

4. Map scale display Displays the current map scale.

5. Route guidance lane

Displays the route guidance to the destination when a route is set.

6. [

Moves to map menu screen. For details refer to Page 29 ("General operations of map menu").

7. Arriving time display

Displays the expected time of arrival. Press to check the destination information.

8. Remaining distance display

Displays the remaining distance to the destination. Press to check the destination information.

9. Remaining time display

Displays the remaining time until the arrival at the destination. Press to check the destination information.

10. [💶 🔺] button

Opens/closes the split screen menu.



- [Full screen]: Displays full map screen.
- [Route info]:
- Displays distance and direction information for 3 upcoming turns and rest areas. Tap on a specific turn or rest area to see its position on the map. For details refer to the step 2 of the "Overview" on Page 42.

Getting started with navigation

- Displays compass screen when the route is deactivated.
- [Manoeuvre info]:
- Displays distance and direction information for the upcoming TBT (Turn By Turn) when the route is activated.
- Displays compass screen when the route is deactivated.
- [Media info]: Shows information about currently playing media.

11. Vehicle position mark

Displays current vehicle position and direction.

12. 🛄

Displays distance and direction information for the upcoming TBT (Turn By Turn).

Zoom In / Zoom Out

Turn " • • • " left/right to set the zoom level on the map screen.

Map scale

This function sets the zoom level automatically according to the road class.

Press [200m] on the map screen.



Name	Description	
Cale Fix (inactive - "Gray")	Fix the displayed scale.	
Auto Scale (active - "Colour")	Change the map scale automatically depending on the road class.	

Scrolling map

1. Perform a long press on the desired map area. The selected point will be centred on the screen and the scroll mark will be displayed.

Information about the marked point and straight line distance from the current position will be displayed at the centre of the screen.



2. Press [Start] to start the route guidance.

 Press [Save] to save the destination to [Favourites] menu. Then input its name and select [OK]. Press [MAP] > [Image] > [Destination] > [Favourites] to check the stored position.

Note

If a map area on the map screen is pressed, the map will continuously scroll in the corresponding direction until the pressing is released.

Getting started with navigation

Navigation volume



Position	Description
	Press the button to mute or unmute.
2 < />	Press the buttons to adjust the volume.
3 <u>14</u> ■	Drag the volume control bar to adjust the volume.

General operations of map menu

1. Press [III >] on the map screen.



- 2. Press the desired option.

 - [Destination]: Shows navigation menu.
 - [Route]: Changes the route conditions by using the [Route] menu when the route is activated. (Page 40-42)
 - [Traffic]: Shows the traffic information list. (Page 42-43)
 - [Construction of the [Navigation settings] menu. For details refer to Page 50 ("Navigation").

General operations of navigation menu



- 2. Press the desired option for entering a destination.
 - [Destination]: Finds a destination by using the [Destination] menu. (Pages 30-35)
 - [Favourites]: Set or recall your favourite destinations using the [Favourites] menu. (Page 35)
 - [Advanced]: Finds a destination by using the [Advanced] menu. (Pages 36-39)

Address Search

You can find the destination by searching for an address.

- 2. Enter the name of the Country, City/ Postcode, Street/No., House number or Junction corresponding to the desired destination.

REG	01:1	9	
Address 🗧			
Country	🏽 United Kingdom		
City/Postcode	London		
Street/No.	Loobert Road		House no.
Intersection	Clyde Circus		
Start	Save	Show map	Options

- 3. Press [Start] to start route calculation.
 - Press [Save] to save the destination to [Favourites] menu. Then input its name and select [OK]. Press [MAP] > [Image] > [Destination] > [Favourites] to check the stored position.
 - Press [Show map] to view the map for destination.
 - Press [Options] to set the route option. For details refer to Page 40 ("Route option").

Note

When you set the [Multiple routes], follow steps 4~5. Otherwise, drive in accordance with the screen and voice information.

4. Press the desired route.



- [Fast]: Calculates the route based on the fastest travel time.
- [Short]: Calculates the route based on the shortest distance.
- [Eco]: Calculates the route based on fuel consumption table with real time traffic information to minimise fuel consumption. Furthermore frequent stop&go situations at turns and intersections are avoided. Note: The fuel consumption is also dependent on the driving style of the driver. Sudden accelerations will cause higher consumptions. The [Eco] route might have more driving time and distance to save fuel consumption.
- 5. Press [⊘Done].

Note

The destination is saved in the [Previous destination] menu automatically. (Page 30)

Previous destination

You can select one of the locations you previously searched for as a destination.

Press [MAP] > [Image: Destination] > [Previous destination].

REG 00:52			
Previous destination	α	Ē	Û
🕅 Loobert Road, London (GBR]		

- Press [**Q**] to find a destination through search. Then input its name and select [OK].
- Press **m** to select and delete items from various entries all at once.
- Press [\times] to delete the desired item.
- Press [
 iii] to delete all items.
- 2. Press the preferred item from the list.
- 3. Follow the steps 4-5 of the "Address Search" on Page 30.

Hyundai dealer

You can set the facilities of Hyundai dealers as destination.

1. Press [MAP] > [] > [Destination] > [Hyundai dealer].



- Press [**Q**] to find a destination through search. Then input its name and select [OK].
- 2. Press the preferred item from the list.
- 3. Press [Start].
 - Press [Save] to save the destination to [Favourites] menu. Then input its name and select [OK]. Press [MAP] > [Image] > [Destination] > [Favourites] to check the stored position.
- 4. Follow the steps 4-5 of the "Address Search" on Page 30.

Note

The information for the facilities of dealers can be provided up to date information than map information, and may not correspond with a result map information.

POI

You can set a POI as destination using different search methods.



- 2. Tap on one of the search methods.
 - [Along route]: finds POI along route. (Page 31)
 - [Nearby]: finds POI near current vehicle position. (Page 31)
 - [Near city centre]: finds POI located in a specific city. (Page 32)
 - [Near destination]: finds POI near selected destination. (Page 31)
 - [Name]: finds POI by the name of the facility. (Page 32)
 - [Phone number]: finds POI by entering its phone number. (Page 32)

Searching for POI by [Along route], [Nearby], or [Near destination]

 Press [MAP] > [□ Ⅲ ▶] > [Destination] > [POI] > [Along route], [Nearby], or [Near destination].

REG 01	:20	
POI Along route	Q	U
😬 All categories		
🛥 Emergency		
🖻 Petrol station		
🆞 Restaurant		
🛏 Hotel or motel		

<For example: [Along route] screen>

- 2. Select one of the categories.
 - Press [**Q**] to find a destination through search. Then input its name and select [OK].
- 3. Select one of the subcategories.
- 4. Press the preferred POI.
- 5. Press [Start].
 - Press [Save] to save the destination to [Favourites] menu. Then input its name and select [OK].
- 6. Follow the steps 4-5 of the "Address Search" on Page 30.

Searching for POI by city

REG	05:57		
POI Near city centre			
Country	🚟 United Kingdom		
City/Postcode	London		
Street/No.			
Intersection			
Search	Save Show map Options		

- 2. Enter the name of the Country and City/ Postcode corresponding to the desired POI.
- 3. Press [Search].
 - Press [Show map] to view the city position on the map.
 - Press [Options] to set the route option. For details refer to Page 40 ("Route option").
- Follow the steps 2-6 of the "Searching for POI by [Along route], [Nearby], or [Near destination]" on Page 31.

Searching for POI by name

- Press [MAP] > [➡] > [Destination] > [POI] > [Name].
- 2. Select the preferred country.



- 3. Input the desired facility name and press [OK].
- 4. Follow the steps 4-6 of the "Searching for POI by [Along route], [Nearby], or [Near destination]" on Page 31.

Searching for POI by phone number

If you know the phone number of the destination, you may use this function to find the destination.

 Press [MAP] > [III →] > [Destination] > [POI] > [Phone number].

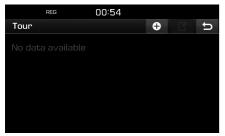


- 2. Input the desired phone number and press [OK].
- Follow the steps 4-6 of the "Searching for POI by [Along route], [Nearby], or [Near destination]" on Page 31.

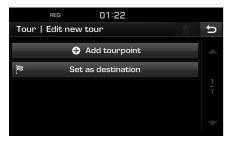
Tour

This function can be used to set a route with several tourpoints.

Setting a tour



2. Press [🔂].



3. Press [Set as destination].



4. Set a destination by using the [Destination], [Favourites], and [Advanced] menu.



5. Press [Add tourpoint] to set tourpoint.



6. Set tourpoints by using the [Destination], [Favourites], and [Advanced] menu.

If you need an additional tourpoint, set it by pressing [Add tourpoint] again.



7. Press [5] to check new tour list.



 Press [Save] to save new tour. Then input its name and select [OK]. New tour is saved automatically to [Tour] menu.



Finding a specific tour

- - The list of saved tours is displayed.



- 2. Press one of the tours.
- 3. Press [Start].

Deleting tour

- 2. Press [1]
- Press [¥] > [Yes].
 Press [a] > [Yes] to delete all tour list.

Changing tour name

- Press [MAP] > [→] > [Destination] > [Tour].
- 2. Press []]
- 3. Press one of the tours.
- 4. Enter new tour name and select [OK].

Setting the order of destination and tourpoints

- Press [MAP] > [> [Destination] > [Tour].
- 2. Press one of the tours.



3. Press [Sort].



- 4. Select the item. Press [Up], [Down], or [Auto].
- 5. Press [5] to check the sorted tour.
- 6. Press [Save] > [OK].

Deleting a destination or tourpoints

- 2. Press one of the tours.



Press [X] > [Yes].
 Press [m] > [Yes] to delete all items.

Stop guidance/ Resume guidance

If you want to stop the route guidance when a route is active, press [MAP] > [====>] > [Destination] > [Stop guidance].

If you want to continue travelling to your destination, press [MAP] > [===] > [Destination] > [Resume guidance].

Home, Office, Favourites

If your home location, office location, and favourite locations have already saved in the [Favourites] menu they can be easily retrieved by tapping on them. The route guidance will be started directly.

First of all, store in the [Favourites] menu through destination search function.

Registering Home or Office

- Press [MAP] > [> [Destination] > [Favourites]> [Set as Home] or [Set as Office].
- 2. Set home location or office location by using the [Destination], [Favourites], and [Advanced] menu.

Finding your Home, Office, or Favourite place

- 2. Follow the steps 4-5 of the "Address Search" on Page 30.

Saving favourite place to USB memory device

- 1. Connect a USB device to the USB port.
- 2. Press [] > [Navigation] > [My data] > [Save].



3. Press [Yes].

Loading favourite place from USB memory device

- 1. Connect a USB device to the USB port.
- 2. Press [] > [Navigation] > [My data] > [Load].



3. Press [Yes].

My data		2:25	¢
Favo	Favo 😯 Data have been loaded into the system.		
My Pl	OK	View	

4. Press [OK].

Press [View] to the loaded favourite place.

Note

The loaded favourite place is overwritten to [Favourites] menu.

My POI

This function is used to import personal POI data including the map information (position, name...) saved in USB memory device. Afterwards the data can be selected as destination through the My POI menu.

Note

Supported POI file formats

- POI file format: ".kml"/ ".gpx"
- POI files : Maximum 100
- POI data : Maximum 5,000

Importing the POI data

- Store the POI file including map information (position, name...) from web map in USB memory device.
- 2. Connect the USB device to the USB port.
- Press [MAP] > [➡ > [Destination] > [Advanced] > [My POI] > [◀].



4. Press [Yes].

The list of POI file is displayed.

REG	00:48	
Import persona	l POI from USB	Ð
All		
POI data 1		
POI data 2		$\frac{1}{1}$
POI data 3		

5. Select the desired POI file. Press [All] to select all POI files. 6. Press 🚺.

The POI data is imported.



Finding a destination by My POI

- 2. Select the POI files. The list of POI file is displayed.



- 3. Press the preferred item from the list.
- 4. Follow the steps 4-5 of the "Address Search" on Page 30.

Note

The destination is saved in the [Previous destination] menu automatically. (Page 30)

Deleting POI data (or file)

- 1. Press [MAP] > [III] > [Destination] > [Advanced] > [My POI] (or press a POI file).
- 2. Press []].
- 3. Press 🔀 or 🚮.

Changing POI data (or file) name

- 2. Press [**[**].
- 3. Press one of the POI data (or file).
- 4. Enter new tour name and select [OK].

Parking

This function is used to find a destination by searching for parking facilites.

Press [MAP] > [III] > [Destination] > [Advanced] > [Parking].

reg 01:31		
Parking	Q	U
• All		
PARk and ride		
🛋 Garage parking		
🚊 Open parking area		

- 2. Select one of the parking facilites.
 - Press [**Q**] to find a destination through search. Then input its name and select [OK].
- 3. Press the preferred item from the list.
- 4. Press [Start].
 - Press [Save] to save the destination to [Favourites] menu. Then input its name and select [OK].
- 5. Follow the steps 4-5 of the "Address Search" on Page 30.

Coordinate

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

Press [MAP] > [Imp] > [Destination] > [Advanced] > [Coordinate].

REG	01	1:32		
Coordinate				Ð
Latitude	N	49°	58'	27.0"
Longitude	Е	8°	26'	29.8"
Start	9	Save	Sh	ow map

2. Press the degree, minute or second of the longitude and latitude, then input the desired coordinates.

Press [D.M.S] or [Decimal degrees] to select the type of the coordinate.

	REG		01:33							
Coor	dinate									U
Latitu	ıde		J	49	٥	58	ľ		27.0	"
Longi	tude	E		8	0	26	ľ		29.8	"
0	0.M.S		C	D	ec	imal	de	gree	:S	
1	2	З		4		5			Ð	<
6	7	8		9		0			0	К

Searching for destination of navigation

- 3. Press [OK].
- 4. Press [Start].
 - Press [Save] to save the destination to [Favourites] menu. Then input its name and select [OK]. Press [MAP] > [Image] > [Destination] > [Favourites] to check the stored position.
 - Press [Show map] to view the map for destination.
- 5. Follow the steps 4-5 of the "Address Search" on Page 30.

Waypoint recorder

This function is used to record the route automatically or manually.

Recording waypoints

 Press [MAP] > [□□→] > [Destination] > [Advanced] > [Waypoint recorder] > [●] > [Manual] or [Auto].



<Manual recording>



<Auto recording>

2. Manual recording:

- [Set waypoint]: Current position is saved as waypoint.
- [Stop]: Stops recording and saves the recorded data.
- [Quit recording]: Cancels the manual recording.

Auto recording:

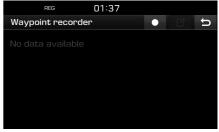
- [Stop]: Stops recording and saves the recorded data.
- [Quit recording]: Cancels the auto recording.

Note

- The recording is saved in the [Waypoint recorder] menu automatically.
- 300 km/recording can be saved.
- Up to 10 recordings can be saved.

Finding the recorded waypoint

Press [MAP] > [III] > [Destination] > [Advanced] > [Waypoint recorder].



- 2. Press the preferred item from the list.
- 3. Follow the steps 4-5 of the "Address Search" on Page 30.

Deleting a recorded tour

- 2. Press [X] or [1].

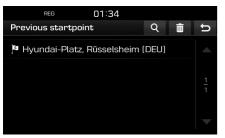
Changing a recorded tour name

- Press [MAP] > [□□→] > [Destination] > [Advanced] > [Waypoint recorder] > [□].
- 2. Press one of the list.
- 3. Enter new tour name and select [OK].

Previous startpoint

You can set one of your previous startpoints as destination.

Press [MAP] > [III] > [Destination] > [Advanced] > [Previous startpoint].



- Press [**Q**] to find a destination through search. Then input its name and select [OK].
- Press in to select and delete items from various entries all at once.
- Press $[\mathbf{X}]$ to delete the desired item.
- Press [💼] to delete all items.
- 2. Press the preferred item from the list.
- 3. Follow the steps 4-5 of the "Address Search" on Page 30.

Using map

This function is used to find a destination by scrolling over the map.

- Press [MAP] > [=> [Destination] > [Advanced] > [Using map].
- 2. Perform a longpress on the desired map area. The selected point will be centred on the screen and the scroll mark will be displayed.

Information about the marked point and straight line distance from the current position will be displayed at the centre of the screen.



- 3. Press [Start].
 - Press [Save] to save the destination to [Favourites] menu. Then input its name and select [OK].
- 4. Follow the steps 4-5 of the "Address Search" on Page 30.

Note

If a map area on the map screen is pressed, the map will continuously scroll in the corresponding direction until the pressing is released.

Using the map menu

Route option

You can modify various route options according to your needs.

REG	05:57			
Options				ΰ
Route			Fast 💌	
Traffic event			On 🔽	
Motorway		I	Use	
Toll road		I	Use	
Vignette road		I	Use	▼

- 2. Set the desired options.
 - Route
 - [Fast]: Calculates the route based on the fastest arrival time.
 - [Short]: Calculates the route based on the shortest distance.
 - [Eco]: Calculates the route based on fuel consumption table with real time traffic information to minimise fuel consumption. Furthermore frequent stop&go situations at turns and intersections are avoided. Note: The fuel consumption is also dependent on the driving style of the driver. Sudden accelerations will cause higher

consumptions. The [Eco] route might have more driving time and distance to save fuel consumption.

- Traffic event
- [On]/[Off]: Selects whether to display traffic event or not.
- [Auto]: System automatically calculates a detour to avoid traffic events without showing a popup.
- Motorway, Toll road, Vignette road, Time restricted road, Tunnel, Ferry, Learning route
- [Use]: Calculates the route including the Motorway, Toll road, Vignette road, Time restricted road, Tunnel, Ferry, or Learning route.
- [Avoid]: Calculates the route avoiding the Main road, Toll road, Vignette road, Time restricted road, Tunnel, Ferry, or Learning route.

Note

The items set by user may not be supported depending on condition.

Detour

This function is used to redefine the route by setting a detour to a certain distance from the current position.



- 2. Press the desired items.
 - [km ▲]/[Shorter]/[Longer]: Selects a detour distance to take a detour for that distance.
 - [Delete]: Deletes a detour that was already set and continues with the original route.
- 3. Press [Start] > [⊘Done].

Using the map menu

Editing current route

You can edit current route.

Changing current route

- 2. Follow the steps 5-7 of the "Setting a tour" on Page 33.
- Press [Start] > [Yes] to save current route.
 Press [Start] > [No] to start without saving.

Saving current route to [Tour] menu

- 2. Enter name for current route and select [OK].

Sorting current route

- 2. Select the item. Press [Up], [Down], or [Auto].
- 3. Press [5] to check the sorted tour.
- 4. Press [Save] > [OK].

Finding the saved route in the [Tour] menu

- - The list of saved tours is displayed.



- 2. Press one of the tours.
- 3. Press [Start].

Avoid street

This allows you to modify and recalculate a set route by avoiding specific streets.

This allows you to avoid certain streets due to traffic conditions. You can calculate an alternative route from the vehicle location to the destination.



- 2. Press the street(s) that you want to avoid.
- 3. Press [=>] to check the avoid list.
- 4. Press [→] > [⊘ Done].

Using the map menu

Overview

You can check the details of your set route which is divided into sections and shown on the map.



- 2. Press the desired item.
 - [Route]/[Section]: Switches to entire route or enlarged route.
 - [All in the departure location.
 - []: Move to the previous position.
 - []]: Move to the next position.
 - [D]: Move to the destination location.
 - [List]: Select one of the browser list. Display the enlarged map screen of the browser list.
 - [5]: Move to the previous screen.

Stop guidance/ Resume guidance

If you want to stop the route guidance when a route is active, press [MAP] > [III >] > [Route] > [Stop guidance].

If you want to continue travelling to your destination, press [MAP] > [Imm] > [Route] > [Resume guidance].

Traffic

You can obtain traffic information for selected areas.

1. Press $[MAP] > [\blacksquare] > [Traffic].$



- 2. Press the desired items.
 - [On route]: Displays traffic information along the route.
 - [Nearby]: Displays traffic information nearby current vehicle position.

3. Press the desired items.



- []]/[]]: Toggles through different traffic events.
- [Detour]: Redefines the route by setting a detour.
- [Show map]: Displays map screen for selected area.

Note

This feature may not be supported depending on condition.

Navigation settings



2. For details refer to Page 50 ("Navigation").

Before Using the Bluetooth Handsfree

What is Bluetooth Wireless Technology?

- Bluetooth Wireless Technology refers to a shortdistance 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 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 pairing the head unit with the mobile phone.
- Some Bluetooth features may occasionally not operate properly depending on the firmware version of your mobile phone. If such features can be operated after receiving a S/W upgrade from your mobile phone manufacturer, unpair all devices and pair again before use.

Pairing and connecting the unit and a Bluetooth phone

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

When no phones have been paired

- 1. Press "C" on the head unit or the steering wheel remote control.
- 2. Press [Yes] to search for Bluetooth phones.
 - [No]: Cancels Bluetooth connection.
 - [Help]: Moves to the [Bluetooth help] menu.
- 3. In your phone, initiate a search for Bluetooth devices. (The default device name is SANTA FE.)
- 1) If the SSP (Secure Simple Pairing) is not supported, enter the passkey on your Bluetooth device. (The default passkey is 0000.)
 - 2) If the SSP (Secure Simple Pairing) is supported, press [Yes] on the pop-up screen of your Bluetooth device.
 (The pop-up screen may differ from the actual information of the Bluetooth device.)

5. Bluetooth becomes connected.

The mobile phone contacts and the calling list are downloaded.

When the connection fails, failure message is displayed on the screen.

When a phone is already paired

- 1. Press "C" on the head unit or the steering wheel remote control.
- 2. Press the device from the Bluetooth device list pop-up screen.
- 3. Press [Yes] to activate the selected device.

If you want to pair additional device, press [Add new]. Follow the steps 3-5 of "When no phones have been paired".

When pairing additional device

1. Press [] > [Bluetooth] > [Paired devices].



- 3. In your phone, initiate a search for Bluetooth devices. (The default device name is SANTA FE.)
- 4. 1) If the SSP (Secure Simple Pairing) is not supported, enter the passkey on your Bluetooth device. (The default passkey is 0000.)
 - 2) If the SSP (Secure Simple Pairing) is supported, press [Yes] on the pop-up screen of your Bluetooth device. (The pop-up screen may differ from the actual information of the Bluetooth device.)
- 5. When your phone is successfully connected, the phone menu is displayed on the screen. When the connection fails, failure message is displayed on the screen.



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.

Note

- For safety reasons, pairing a Bluetooth phone is not possible when the vehicle is in motion. Park the vehicle in a safe location to pair a Bluetooth phone. It is possible to pair up to 5 mobile phones. In order to pair a new phone when there are already 5 mobile phones paired, you must first delete one of the previously paired phones.
- Some functions may not be supported due to limited Bluetooth compatibility between the car system and mobile phone.
- When 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.

Bluetooth[®] Wireless Technology

Bluetooth help

This menu provides help concerning the usage of Bluetooth functions.

- 1. Press [6] on the phone screen.
- 2. Press [Paired devices] > [?].

REG	01:43	9⊁0¶a
Bluetooth help		Û
Adding new Blue	etooth devices	
Bluetooth audio	streaming	
Phone functions	6	<u>1</u> 2
Contacts		
Calling list		▼

3. Select the desired items.

Disconnecting the connected phone

1. Press [**۞**] > [Bluetooth] > [Paired devices].

REG	01:42	■ ®1874
Paired devices	÷	e 🖬 🕤
Phone		Connected 💪

2. Select the connected phone.



3. Press [Yes].

Note

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

Deleting Bluetooth Devices

If you do not need to use a phone any longer, you can delete it. Note that deleting a Bluetooth device will delete all calling list and contact entries.

 Press [♥] > [Bluetooth] > [Paired devices] > [m].

	REG	01:44		■ @10¥4	
Delete	devices		all	U	
Phone	9		Connected 🕻 🥱	×	

Press X > [Yes].
 Press I → [Yes] to delete all devices.

Making a call by entering phone number

Connect your unit and Bluetooth phone before making a call.

- 1. Enter the phone number using the keypad on the phone screen.
- 2. Press [Dial] on the phone screen or " C " on the steering wheel remote control.

Note

If you press the wrong number, press [1] to delete one digit of the entered number.

Making a call by redialing

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

Note

Redialing is not possible when there is no dialled calls list.

Answering/Rejecting a call

- 1. If there is an incoming call, a popup message will appear.
- 2. Press [Accept] to answer the call. To reject a call, select [Reject].

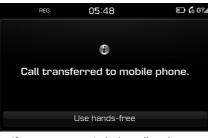
Note

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

Switching call to the mobile phone

1. If you want to switch the call to the mobile phone while talking on the car handsfree, press [C].

As shown below, the call is switched to the mobile phone.



 If you want to switch the call to the car handsfree while talking on the mobile phone, press [Use hands-free].
 The call is switched to the car handsfree.

Ending a call

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

Using the menu during a phone call

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

REG	05:47	💷 (8 8¥4			
	6				
	Active call				
	Unknown 00000000009				
	Time : 00:03				
1	2 3	1 2 */# 4			
Position	Descript	tion			
Position 1	Descript Ends a call.	ion			
Position 1 2					
1	Ends a call.	'Off. call from the			

Calling list

Making a call from calling list

1. Press [6] on the phone screen.

REG	C	0:04	III) 1	}×0¶i
Calling list				U
f + 0000000	00009	07.05.2		
6 000000	00009	07.05.2		1
6 000000	00009	07.05.2		15
6 + 0000000	00009	07.05.2		▼
All	Missed	Received	Diall	ed

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

Note

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

Contacts

Making a call from contacts

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

REG	01:52)∿0¶i
Contacts	(233) Q	\sim	U
🛛 Name1			
🛙 Name2			
🛛 Name3			<u>1</u> 47
🛛 Name4			
🛛 Name5	0000000	0005 i	

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

Updating mobile phone contacts

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

Press [2] on the contacts screen.

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

Note

- Upon updating mobile phone contacts, the previous data is deleted.
- This feature may not be supported in some mobile phones.

Searching for contacts

1. Press [**Q**] on the contacts screen.



- 2. Enter the name, press [OK].
- 3. Select the contact you want to call.

Favourites

Calling Favourites

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

First of all, add the phone number in the Favourites. Refer to the "Adding as a Favourite" on Page 49.

Bluetooth® Wireless Technology

1. Press [] on the phone screen.



<Favourite screen>

2. Select the desired favourite.

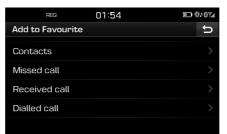
Adding as a Favourite

Up to 20 contacts can be added to [Favourites] menu.

1. Press [★] on the phone screen.



2. Press [Add to Favourite].



- 3. Select the desired items.
- 4. Select one of the contacts.
- 5. Enter favourite name, then, press [OK].

Deleting favourites

. Press [★] > [🛃] on the phone screen.



2. Press [X] > [Yes].

Press [
] > [Yes] to delete all favourites.

Changing the favourites name

- 1. Press $[\bigstar] > [\checkmark]$ on the phone screen.
- 2. Press the desired contact.



3. Enter new name, then press [OK].

Bluetooth settings

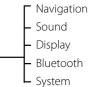
1. Press [6] on the phone screen.

REG	03:00 📖 🖗	0 ¶a
Bluetooth settings		U
Paired devices		
Ringtone		
Change passkey		
Rename device		

2. For details refer to Page 52 ("Bluetooth").

[Settings] menu overview

[Settings] menu



Navigation

This menu describes navigation settings.

1. Press [C] > [Navigation].



- 2. Select the desired items.
 - [Map view]: Sets the navigation options related to map view.
 - [Junction view mode]: Sets whether to display the junction view mode or not.

- [Enhanced lane guidance]: Sets the enhanced lane guidance on/off.
- [Speed limit]: Sets whether to display the speed limit or not.
- [Border crossing info]: Sets whether to display the border crossing information or not.
- [Display POI icon on map]: Sets whether to display the POI icon on the map screen or not.
- [POI category]: Select [All], [None] or [Manual].
- [Select POI]: Set the [POI category] to [Manual] to select the desired POI. Then mark or unmark the desired POI. (If you want to initialise the settings, press [6]].)
- [My data]
- [Favourites]: This function is used to save the favourites to USB memory device and to load the favourites from USB memory device. For details, refer to "Saving favourite place to USB memory device" and " Loading favourite place from USB memory device" on Page 35.
- [My POI]: This function is used to import the POI data including the map information (position, name, or etc) saved to USB memory device.
 Press [Import], then follow the steps 4-6 of "Importing the POI data" on Page 36.

- [Learning route]: If you deviate from a specific part of the suggested route in the same way for three times then the system learns the route. The next time the system will suggest the adapted route. Learned routes are saved in the Learning route list.
- [Traffic event]: Sets the traffic event to "On", "Off" or "Auto".
 - [On]/[Off]: Selects whether to display traffic event or not.
 - [Auto]: System automatically calculates a detour to avoid traffic events without showing a popup.
- [Demo]: This function allows the user to simulate a route guidance when a route is set.
- [Off]: Driving simulation is set to off.
- [Once]: Driving simulation is only executed once.
- [Loop]: Driving simulation is executed repeatedly.

Select [Once] or [Loop], then press [Start].



- [II] > Pauses or plays the driving simulation.
- [×]: Ends the driving simulation.
- [1X],[2X],[4X],[Auto]: Sets the speed of driving simulation.
- [Multiple routes]: Sets whether to search for the multiple routes or not.
- [Dynamic guidance]: Sets whether to execute the dynamic guidance or not.
- [Petrol station auto search]: Sets whether to search for petrol station automatically in the case of fuel shortage.

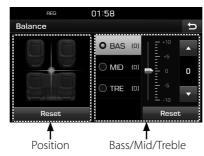
Sound

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

1. Press [**۞**] > [Sound].



- 2. Select the desired items.
 - [Balance]: Shows the sound control options for Position and Bass/Mid/Treble.



- [Position]: Select the position of sound focus. Press [Reset] to concentrate the sound in the centre of the vehicle.
- [BAS/MID/TRE]: Press [▲]/[♥] to control bass/mid/treble settings. Press [Reset] to initialise the settings.
- [Advanced]
 - [SDVC]: This menu allows you to control automatically the audio volume according to the speed of the vehicle. Select [On] or [Off].
 - [Quantum Logic Surround]: An authentic multi-dimensional surround sound experience featuring patented signal extraction technology. Select [On] or [Off].

- [Volume]: Shows the volume control for each option.
- [Phone]: Controls the volume related to phone. Press [▲]/[▼].
- [Start up]: Controls the audio volume when starting the system. Press [▲]/[▼].
- [Info]: Controls the volume related to pop-up information. Press [▲]/[▼].
- Press [Reset] to initialise the settings.
- [Beep]: This menu allows you to play a beep sound whenever you operate the touch screen. Select [On] or [Off].

Display

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

1. Press [♥] > [Display].

REG	01:28		
Display settings		(Ð
Brightness			>
Dimming mode			• •

- 2. Select the desired items.
 - [Brightness]: Select [Daylight] or [Night], then Press [▲/▼] to control the brightness. Press [Reset] to initialise the settings. (Daytime brightness default is "10". Night time brightness default is "5".)
 - [Dimming mode]: Sets the display brightness according to mode changes.
 - [Auto]: Adjusts the brightness automatically according to surrounding brightness.
 - [Daylight]: Always keeps the brightness high regardless of surrounding brightness.
 - [Night]: Always keeps the brightness low regardless of surrounding brightness.

Note

Press **C** to turn the screen off. Press any button to turn the screen on.

Bluetooth

This menu describes Bluetooth settings.

Paired devices

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

1. Press [] > [Bluetooth] > [Paired devices].



2. Follow the steps 2-5 of the "When pairing additional device" on Page 45.

Ringtone

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

1. Press [♥] > [Bluetooth] > [Ringtone].

REG	01:58	
Ringtone		Û
O Ringtone1		
○ Ringtone2		
○ Ringtone3		
○ Ringtone4		
○ Ringtone5		

2. Select the desired ringtone.

Change passkey

You can change the passkey used for Bluetooth device authentication.

Press [♥] > [Bluetooth] > [Change passkey].



2. Enter the passkey using the keypad.

Note

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

Rename device

You can change the Bluetooth device name of the vehicle.

1. Press [] > [Bluetooth] > [Rename device].



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

Note

The default device name is set to SANTA FE.

System

Language

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

1. Press [♥] > [System] > [Language].

REG	02:07	
Language		U
🖿 Česky		
🖶 Dansk		
Deutsch		<u>1</u> 3
🚟 English		
📼 Español		

2. Select the desired language.

Keyboard

This menu is used to configure the keyboard layout for each language.

Configured keyboard layouts are applied to all input modes.

1. Press [**۞**] > [System] > [Keyboard].

REG	02:10	
Keyboard		U
Default keyboard		
Keyboard type		

2. Select the keyboard type.

Clock

This menu describes clock settings.

1. Press [] > [System] > [Clock].

REG	00:53			
Clock				υ
GPS time		1	Off	
Date/Time	settings			
Format				O
Standby so	creen view			

- 2. Press the desired item.
 - [GPS time]: This menu is used to display time according to the received GNSS time. Select [On] or [Off].
 - [Date/Time settings]: This menu is used to set date and time manually. The [Date/ Time settings] item cannot be used when the [GPS time] is set to [On]. To manually set the date and time, change [GPS time] to [Off], and set the date and time.
 - [Format]: This function is used to convert the digital clock display between 12 hour/24 hour systems. Select [12h] or [24h].

• [Standby screen view]: This menu is used to set the type of clock displayed when the system power is turned off. Select [Digital], [Analogue] or [None].

Unit

This menu is used to select the distance unit to [km] or [mi].

1. Press [**۞**] > [System] > [Unit].

REG	02:10	
System settings		U
Language		
Keyboard		
Clock		
Unit		km 🔺
O km	0	mi

2. Select [km] or [mi].

Factory settings

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

1. Press [♥] > [System] > [Factory settings].

REG	00:28		
Factory settings			υ
All			
Phone			
My POI			
Navigation			
Radio-Media-S	ound		

- 2. Press the desired items.
 - Press [All] to select all above mentioned menus.
 - [Phone]: Resets all settings related to [Phone] menu.
 - [My POI]: Resets all settings related to [My POI] menu.
 - [Navigation]: Resets all settings related to [Navigation] menu.
 - [Radio-Media-Sound]: Resets all settings related to [Radio-Media-Sound] menu.
- 3. Press [9].

About Rear Camera

- Rear camera is an option for the customers who selected the option.
- In this instrument, for the safety of the user, a rear camera that can secure the rear view during the backward driving is connected.
- After the vehicle is started, if the transmission lever is put to R, the rear camera power is automatically turned on, and the rear camera starts to operate.
- If you change the transmission lever location from R to another position, rear camera stops.

Turning on the rear camera

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



Note

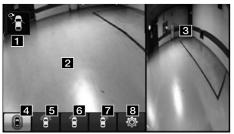
Rear camera has an optical lens to secure wide view, so there is a little difference in the distance shown on the screen. For safety, make sure to check the rear, left, and right view by yourself.

About AVM (Around View Monitor)

- AVM (Around View Monitor) is an option that is provided to the customers who selected the option.
- Through the 4 cameras installed in the vehicle, it provides the front, rear, left and right views of the vehicle.
- While vehicle is started, if gear is put to R position, it automatically starts AVM (Around View Monitor).
- If gear is changed from R to P position, AVM (Around View Monitor) operation stops.

Operating front AVM

After starting the vehicle, if you press [AVM] after putting gear to N or D, front AVM starts.



1 Warning display: driver seat/front passenger seat door and side mirror, and trunk open status are displayed.

- 2 Front camera screen: screen of the front of the vehicle is displayed through camera
- **3** AVM side camera screen: According to the selected display contents, it displays AVM or left or right side screen.
- 4 (Front + AVM display): It displays vehicle's front screen and all direction (AVM) screens at the same time.
- 5 Front display): It only displays vehicle's front screen.

(Front + two split display): It displays vehicle's front screen into two split screen.

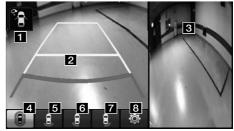
- 6 (Front + left side display): It displays the vehicle's front screen and left front screen at the same time.
- 7 (Front + right side display): It displays the vehicle's front screen and right side screen at the same time.
- 8 🐼 (AVM setting): It displays AVM setting menu.

Note

While front AVM is running, if you drive at about 20 km/h or more, AVM is turned off. At this state, even if you drive at about 20 km/h or less, AVM is remained at OFF state.

Operating rear AVM

After starting the vehicle, if you put gear at R position, rear AVM starts.



- 1 Warning display: driver seat/front passenger seat door and side mirror, and trunk open status are displayed.
- **2** Rear camera screen: screen of the rear of the vehicle is displayed through camera
- 3 AVM side camera screen: According to the selected display contents, it displays AVM or left or right side screen.
- 4 (Rear + AVM display): It displays vehicle's rear screen and all direction (AVM) screens at the same time.
- **5** (Rear display): It only displays vehicle's rear screen.

- 6 (Rear + left side display): It displays the vehicle's rear screen and left rear screen at the same time.
- Rear + right side display): It displays the vehicle's rear screen and right rear screen at the same time.
- 8 🕸 (AVM setting): It displays AVM setting menu.

Note

AVM (Around View Monitor) camera has an optical lens to secure wide view, so there is a little difference in the distance shown on the screen. For safety, make sure to check the rear, left, and right view by yourself.

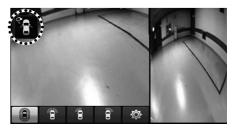
AVM setting

By pressing [10], you can adjust AVM settings.



- [Sync guidelines with steering]: Sets the guide line steering interface on/off.
- [Alert front-rear approach]: Sets the warning for approaching an obstacle on/off.
- [Front view default]: Sets the front camera's screen as initial view. (Around view, front view, driver seat side front, and front passenger seat side front)
- [Rear view default]: Sets the rear camera's screen as initial view. (Around view, rear view, driver seat side rear, and front passenger seat side rear)

Warning display



Driver's door open indicator

When the driver's door is open, "a" (red colour on left door) indicator is displayed on the top left of the screen.

Front passenger's door open indicator

When the front passenger's door is open, " (red colour on right door) indicator is displayed on the top left of the screen.

Trunk open indicator

When trunk is open," "(red colour on trunk) indicator is displayed on the top left of the screen.

Side mirror folding indicator

When the side mirror is folded, **"**" (side mirror) indicator is displayed on the top left of the screen.

The current car position as shown on the navigation may differ from the actual position under the following conditions.

- When driving on Y-shaped roads with narrow angles the current position may be displayed in the opposite direction.
- Within city streets, the current position may be displayed on the opposite side or on an off-road position.
- When changing the zoom level from maximum to a different level, the current position may become displayed on a different road.
- If the vehicle is loaded onto a ferry or a car transport vehicle, the current position may become stalled on the last position prior to loading.
- When entering a road after passing an underground parking structure, building parking structure, or roads with many rotations.
- When driving in heavy traffic with frequent starts and stops.
- When driving under slippery conditions, such as heavy sand, snow, etc..
- When the tires have recently been replaced (Especially upon use of spare or studless tires).

- When using tires of improper size.
- When the tire pressure for the 4 tires are different.
- When the replacement tire is worn or used (Especially studless tires having passed a second season).
- When driving near high-rise buildings.
- When a roof carrier has been installed.
- When a long distance route is calculated while driving on an expressway, in such cases, continued driving will automatically enable the system to conduct map matching or use updated GNSS information to provide the current position (In such cases, up to several minutes may be required).

Correct route guidance may not occur due to search conditions or driving position. The following occurrences are not malfunctions:

- Guidance to go straight may be given while driving on a straight road.
- Guidance may not be given even when having turned at an intersection.
- There are certain intersections in which guidance may not occur.

- A route guidance signaling for a u-turn may occur in some No u-turn intersections.
- Route guidance signaling entrance into a No-entry zone may occur (No-entry zone, road under construction, etc.).
- Guidance may be given to a position that is not the actual destination if roads to reach the actual destination do not exist or are too narrow.
- Faulty voice guidance may be given if the vehicle breaks away from the designated route. (e.g. if a turn is made at an intersection while the navigation provided guidance to go straight.)

These situations may occur after conducting route calculation. The following occurrences are not malfunctions:

- Guidance may be given to a position differing from the current position when turning at an intersection.
- When driving in high speeds, route recalculation may take a longer period of time.

Before thinking there is a product defect

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

Problem	Possible Cause	Countermeasure
The power does not	The fuse is disconnected.	Replace with a suitable fuse.
turn on.		 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, saturation, and contrast levels are not set properly.	Properly adjust the brightness, saturation, 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.

Troubleshooting

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	USB memory is damaged.	Please use after formatting the USB into FAT 12/16/32 format.
work.	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	There are no titles which can be played.	Use iTunes to download and save MP3 files into the iPod.
recognised even though it has been connected.	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.

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LG Electronics will also provide open source code to you on CD-ROM for a charge covering the cost of performing such distribution (such as the cost of media, shipping and handling) upon email request to opensource@lge.com. This offer is valid for three (3) years from the date on which you purchased the product.

Specification

	Power Supply	DC 14.4 V
	Operating Power	DC 9 V ~ DC 16 V
	Current Consumption	Maximum 5 A
	Dark Current	Maximum 1 mA
Common	Operating Temperature	-20 °C ~ +70 °C
	Storage Temperature	-40 °C ~ +85 °C
	Dimensions (Head unit)	253.2 (W) X 221.1 (H) X 224.4 (D)
	Weight (Head unit)	2.35 kg
	Supported Profile	A2DP 1.2, AVCTP 1.4, AVDTP 1.3, AVRCP 1.4, GAP 4.0, GAVDP 1.3, HFP 1.5, HSP 1.2, PBAP 1.1, SDP 4.0, RF 4.0, RF- PHY 4.0
Bluetooth	Supported Bluetooth	3.0
	Specification	5.0
	Frequency Range	2402 MHz ~ 2480 MHz
	Output (Class2)	1.0 dBm
	Number of Channels	79

	AM		
	Tuning range	522 kHz ~ 1620 kHz	
	Usable Sensitivity	35 dBuV	
Radio	Signal-to-noise ratio	Minimum 45 dB	
ndulu	FM		
	Tuning range	87.50 MHz ~ 108.00 MHz	
	Usable Sensitivity	10 dBuV	
	Signal-to-noise ratio	Minimum 50 dB	
		203.2 mm (8 inches)	
TFT-LCD	Screen Size	176.4 (W) x 99.36 (H) mm (Active area)	
	Resolution	384,000 pixel	
	Operating Method	TFT (Thin Film Transistor)	
	Viewing Angle	R/L/U/D 89 (Typ)	
	Internal Lighting	LED	

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