

Using Setup

i Information

- If the Home and Office has not been set, these buttons will be disabled within the Destination Search screen.

Speed Alerts

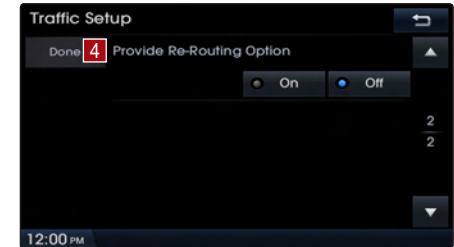
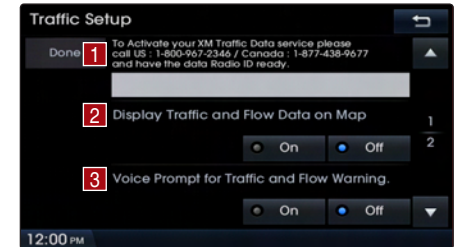
Press the **Edit My Places** button ►
Press **Speed Alerts** ► Set and press **Done** .



In the Edit Speed Alert screen, **Name** , **View Map** , and **Speed Limit** speed can be set and edited.

Traffic Setup

Press the **SETUP** key ► Press **Traffic** ► Set and press **Done** .



This menu is used to set options related to traffic and flow data, voice prompts, and re-routing options based on traffic conditions.

Name	Description
1 Data Radio ID	Check information on XM traffic data service activation and activation ID
2 Display Traffic and Flow Data on Map	Sets whether to display real-time traffic information on map
3 Voice Prompt for Traffic and Flow Warning	Sets whether to receive voice prompts for real-time traffic information and conditions
4 Provide Re-Routing Options	Sets whether to use re-routing options by reflecting traffic conditions

i Information

- XM Traffic Data service requires a separate subscription. To subscribe to this service, please contact the number displayed on the screen.

Voice Recognition Settings

Press the **SETUP** key ▶ Press **Voice Recognition** ▶ Set and press **Done**.



This menu is used to set voice recognition mode between Normal and Expert mode.

Name	Description
1 Normal	When using voice recognition, provides detailed prompts and is suited for beginner users
2 Expert	When using voice recognition, omits certain prompts and is suited for experienced users

Clock Settings

Press the **SETUP** key ▶ Press **Clock**.

Time

Press **Time** ▶ Set and press **Done**.



This menu is used to set the time used within the Navigation system.

Using Setup

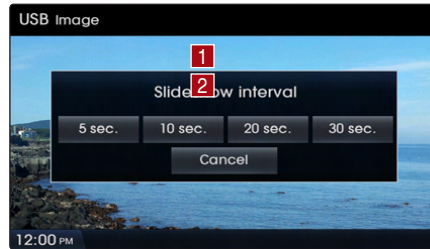
Name	Description
1 GPS Time	Displays time according to the received GPS time
2 Daylight Saving Time	Turns on/off daylight saving time feature
3 Time Format	Converts the digital clock display to 12 or 24 hours

i Information

- When Daylight Savings Time is turned on, the clock is moved forward one hour.

View

Press **Clock** ► Press **View** ► Set and press **Done**.



This menu is used to set the clock type and date display within the Navigation system.

Name	Description
1 Clock Type	Changes Clock Type (Digital/Analog)
2 Date Display	Sets whether to display date within Clock screen

⚠ CAUTION

- The time may not be properly displayed if the GPS time is not connected.

Picture Frame

Press the **SETUP** key ► Press **Picture Frame** ► Set and Press **Done**.



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

Name	Description
1 Clock	Displays the clock on the screen when the system power is turned off
2 Image	Displays an image when the system power is turned off
3 No Image	No image is displayed when the system power is turned off

i Information

- When the picture frame is set to Image, images saved within a USB can be set as the picture frame by pressing the **Browse** button.

Keyboard

Press the **SETUP** key ▶ Press

Keyboard ▶ Set and press **Done** .



This option allows you to change the type of keyboard used within the system.

Name	Description
1 ABC	Keyboard with characters arranged in alphabetical order
2 QWERTY	Keyboard similar to the one used within a computer

i Information

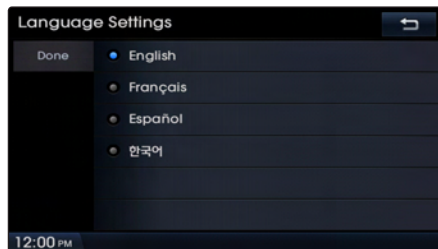
- The set keyboard will be applied to all input modes across the entire system.

Using Setup

Language

Press the **SETUP** key ▶ Press

Language ▶ Set and Press **Done** .



This menu is used to set the language of the system display and voice language. You can select the desired language from English, Français, Español, and 한국어.

System Update

Press the **SETUP** key ▶ Press

System Update ▶ Press **Update** ▶

Press **OK** .



After inserting the SD card with the update file, press **OK** to start the update.

Once updating is complete, the system will automatically restart.

i Information

- This product requires regular updates for software corrections, new functions and map updates. Updating may require up to 1 hour depending on the data size.
- Turning off the power or ejecting the SD card during the update process may result in data loss. Make sure to keep the ignition on and wait until updating is complete.
- Map and software updates can be downloaded from the designated website (<http://www.mapnsoft.com>) and updated through the SD card.

⚠ CAUTION

- Please use only the SD card that was included with the vehicle purchase.
- The use of a separately purchased SD card may result in damage due to heat related deformation.
- Product malfunctions caused by the use of separately purchased SD cards shall not be covered within the product warranty.
- Repeatedly connecting/disconnecting the SD card in a short period of time may cause damage to the device.

Display Off

Press the **SETUP** key ▶ Press

Display Off .



Press the **Display Off** button to turn off the display. Touch anywhere on the touch screen to turn the display back on.

i Information

- While only using the device to listen to audio, this feature can be very helpful in preventing glare from the screen when driving at night.
- Even when the display is off, sound will be played.

MEMO

9 Appendix

- Product Specification
- Before Thinking There is a Product Defect
- Before Thinking the Product Has Malfunctioned
- Troubleshooting
- FAQ

CAR AVN SYSTEM

Product Specification

TFT-LCD

Screen Size	Navigation Device - 20.32cm (176.4 x 99.36mm)
Resolution	Navigation Device - 384,000 pixels (Resolution: 800 x 480)
Operating Method	TFT(Thin Film Transistor) Active Matrix
Viewing Angle	Left/Right, Top/Bottom : ALL 89°
Internal Lighting	LED 18EA

Radio

Channels	FM : 87.5 MHz ~ 107.9 MHz(Step : 200 kHz)		
	AM : 530 kHz ~ 1710 kHz(Step : 10 kHz)		
Sensitivity	FM : Under 10dBu/AM : Under 40dBu		
Distortion Factor	Within 2%	Speakers	2 ~ 8 Ω

Integrated Antenna

Operating Temperature	-30 ~ +85°C (-22°F ~ +185°F)	Storage Temperature	-40 ~ 105°C (-40°F ~ 220°F)
Dimensions	94.3mm(W) X 68.6mm(H) X162.4mm(L)		
Weight	320g		

Common

Name	Car TFT LCD Display Navigation Unit		
Power Supply	DC 14.4V	Operating Power	DC 10V ~ DC 16V
Current Consumption	2.5A	Dark Current	2mA (Head Unit Only)
Operating Temperature	-20 ~ +70°C (-4 ~ +158°F)	Storage Temperature	-30 ~ 80°C (-22 ~ 176°F)
Dimensions	251.1mm(W) x 221.5mm(H) x 251.1mm(D)		
Weight	2.6 Kg		

Bluetooth® Wireless Technology

Frequency Range	2402 ~ 2480 MHz	Supported Bluetooth® Specification	2.1 + EDR
Supported Profile	Handsfree(1.5), A2DP(1.0), AVRCP(1.3), PBAP(1.0)		
Output	0.05mW	Transmission	F1WG1W
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.

Before Thinking There is a Product Defect

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

The following occurrences are not malfunctions :	
<ul style="list-style-type: none"> 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 driving on a spiral-shaped road When driving in mountain regions with sharp turns or sudden brakes 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 	<ul style="list-style-type: none"> When driving under slippery conditions, such as heavy sand, snow, etc. When driving on spiral-shaped roads 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 GPS 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 :	
<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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 :	
<ul style="list-style-type: none"> 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 Route guidance signaling for a u-turn may occur in some No u-turn intersections 	<ul style="list-style-type: none"> Route guidance signaling entrance into No-entry zone may occur. (No-entry zone, road under construction, etc.) Guidance may be given to a position removed from 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.)

Before Thinking the Product Has Malfunctioned

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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • The display appearing somewhat dark after prolonged periods of use is normal with LCD panels. It is not a malfunction • If the screen is very dark, contact your nearest HYUNDAI dealer for assistance
Sound is working from only one speaker	<ul style="list-style-type: none"> • Are the positions of Fader or Balance sound controls adjusted to only one side?

Problem	Possible Cause
Sound does not work in AUX mode	<ul style="list-style-type: none"> • Are the audio connector jacks fully inserted into the AUX terminal?
The external device is not working	<ul style="list-style-type: none"> • Is the external device connected with a standard connector cable?
Upon turning power on, the most recent mode screen is not displayed	<p>Within modes that play files by reading external sources, such as discs, USB, iPod, or Bluetooth® streaming mode, the most recently played mode screen prior to turning off power may not properly load</p> <ul style="list-style-type: none"> • If there is no disc or the corresponding device is not connected, the mode operated prior to the most recent mode will operate • If the previous mode still cannot be properly played, the mode operated prior to that will operate

Troubleshooting

Problem	Possible Cause	Countermeasure
The power does not turn on	The fuse is disconnected	<ul style="list-style-type: none"> • Replace with a suitable fuse • If the fuse is disconnected again, please contact your point of purchase or service center
	Device is not properly connected	<ul style="list-style-type: none"> • Check to see that the device has been properly connected
The system does not play	The disc has not been inserted or has been inserted upside down	<ul style="list-style-type: none"> • Insert the disc properly so that the sides are facing the correct direct
	The disc has been contaminated	<ul style="list-style-type: none"> • Wipe away dirt and other foreign substances from the disc
	The vehicle battery is low	<ul style="list-style-type: none"> • Charge the battery If the problem persists, contact your point of purchase or service center
	A disc not supported by the device has been inserted	<ul style="list-style-type: none"> • Insert a disc which is supported by the device

Problem	Possible Cause	Countermeasure
The image color/tone quality is low	<ul style="list-style-type: none"> • The brightness, saturation, hue, and contrast levels are not set properly 	<ul style="list-style-type: none"> • Properly adjust the brightness, saturation, hue, and contrast levels through Display Setup
Sound does not work	<ul style="list-style-type: none"> • The volume level is set to the lowest level • The connection is not proper • The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode 	<ul style="list-style-type: none"> • Adjust the volume level • Check to see that the device has been properly connected • 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	<ul style="list-style-type: none"> • The disc is dirty or scratched
<ul style="list-style-type: none"> • Vibration is occurring from where the conversion switch has been installed • Image color/tone quality is low 		<ul style="list-style-type: none"> • The sound may be short-circuited and the image distorted if the device vibrates • The device will return to normal once vibrations stop

Problem	Possible Cause	Countermeasure
The USB does not work	<ul style="list-style-type: none"> • USB memory is damaged • USB memory has been contaminated • A separately purchased USB HUB is being used • A USB extension cable is being used • A USB which is not a Metal Cover Type USB Memory is being used • An HDD type, CF, SD Memory is being used • There are no music files which can be played 	<ul style="list-style-type: none"> • Please use after formatting the USB into FAT 12/16/32 format • Remove any foreign substances on the contact surface of the USB memory and multimedia terminal • Directly connect the USB memory with the multimedia terminal on the vehicle • Directly connect the USB memory with the multimedia terminal on the vehicle • Use standard USB Memory • Use standard USB Memory • Only MP3, WMA file formats are supported. Please use only the supported music file formats
The iPod is not recognized even though it has been connected	<ul style="list-style-type: none"> • There are no titles which can be played • The iPod firmware version has not been properly updated • The iPod device does not recognize downloads 	<ul style="list-style-type: none"> • Use iTunes to download and save MP3 files into the iPod • Use iTunes to update the firmware version and reconnect the iPod with the device • Reset the iPod and reconnect with the device

i 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 (over 0.8 seconds). 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. If your phone is a Bluetooth® phone, then check to see whether the Bluetooth® setting within your phone has been set to 'Hidden'. If the device is set to hidden, please un-hide the device (set to unhidden state).

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. The passkey can be changed by pressing **SETUP** ▶ **Bluetooth** ▶ **Advanced Settings** ▶ **Change Passkey** menu.


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, press the **Accept** button on the screen or the  key on the steering remote controller.

To reject the call, press the **Reject** button on the screen or press the  key on the steering remote controller.

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 (over 0.8 seconds) the  key on the steering remote controller or press the **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 drink 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.

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Microsoft® Windows® Automotive Operating System

Important Safety Information

Read and Follow Instructions

Before using your Windows Automotive-based 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 Windows Automotive-based 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 you might be required to distract your attention away from the road and remove your hands from the wheel.

General Operation

Voice Command Control

Functions within the Windows Automotive-based system may be accomplished using only voice commands. Using voice commands while driving allows you to operate the system without removing your hands from the wheel.

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.

Navigation Features

Any navigation features included in the system are intended to provide turn by turn instructions to get you to a desired destination. Please make certain all persons using this system carefully read and follow instructions and safety information fully.

Distraction Hazard

Some navigation features may require manual (non-verbal) setup. Attempting to perform such set-up or insert data while driving can seriously distract your attention and could cause an accident or other serious consequences. Stop the vehicle in a safe and legal manner before attempting these operations.

Let Your Judgment Prevail

Any navigation features are provided only as an aid. Make your driving decisions based on your observations of local conditions and existing traffic regulations. Any such feature is not a substitute for your personal judgment. Any route suggestions made by this system should never replace any local traffic regulations or your personal judgment or knowledge of safe driving practices.

Route Safety

Do not follow the route suggestions if doing so would result in an unsafe or illegal maneuver, if you would be placed in an unsafe situation, or if you would be directed into an area that you consider unsafe. The driver is ultimately responsible for the safe operation of the vehicle and therefore, must evaluate whether it is safe to follow the suggested directions.

Potential Map Inaccuracy

Maps used by this system may be inaccurate because of changes in roads, traffic controls or driving conditions. Always use good judgment and common sense when following the suggested routes.

Emergency Services

Do not rely on any navigation features included in the system to route you to emergency services. Ask local authorities or an emergency services operator for these locations. Not all emergency services such as police, fire stations, hospitals and clinics are contained in the map database for navigation features.

Use of Speech Recognition Functions

Speech recognition software is inherently a statistical process which is subject to errors. It is your responsibility to monitor any speech recognition functions included in the system and address any errors.

MAP DATABASE HOTLINE

M & SOFT AMERICA MAP CENTER

TEL : 888-757-0010

WEBSITE : www.mapnsoft.com

This equipment has been tested and found to comply with the limits for a Class A 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 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.

MAP DATABASE HOTLINE

IC Warning

This device complies with Industry Canada licence-exempt RSS standard(s).

Operation is subject to the following two conditions : (1) this device may not cause interference, and

(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et

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