



MP3

HD Radio



DIGITAL NAVIGATION SYSTEM
OWNER'S MANUAL



Thank you for purchasing this Audio Navigation System.

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

Precaution for safe usage

- Driving while distracted can result in a loss of vehicle control, that may lead to an accident, severe personal injury, and death. The driver's primary responsibility is in the safe and legal operation of a vehicle, and use of any handheld devices, other equipment, or vehicle systems which take the driver's eyes, attention and focus away from the safe operation of a vehicle or which are not permissible by law should never be used during operation of the vehicle.
- Do not operate the Audio Navigation system while driving.
- Do not disassemble, assemble, or modify the Audio Navigation system.
- Do not watch the screen for prolonged periods of time while driving.
- Set the volume to a level which allows the driver to be aware of external conditions.

- Do not operate the Audio Navigation system for prolonged periods of time with the vehicle ignition in ACC. Such operations may lead to battery discharge.
- Be cautious not to spill water or introduce foreign objects into the device.
- Do not cause severe shock to the device. Direct pressure onto the front side of the monitor may cause damage to the LCD or touch panel.
- In case of product malfunction, please contact your place of purchase or service center.
- When cleaning the touch screen, make sure to turn off the device and use a dry and smooth cloth. Never use tough materials, chemical cloths, or solvents (alcohol, ammonia, benzene, thinners, etc.) as such materials may damage the device panel or cause color and quality deterioration.



All Map Database cannot be copied without permission.

This is protected by U.S. copyright laws. All rights not expressly granted are reserved.

You may not otherwise reproduce, modify, and distribute the content without M&Soft, Inc's prior written consent.

1 Basic

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

CAR AVN SYSTEM

Warnings and Cautions

Safety Warnings

- ⌵ Even when receiving route guidance from the Navigation system, please abide by actual traffic and road regulations. Following only the Navigation route guidance may lead to violations of actual traffic and road regulations and lead to traffic accidents.
- ⌵ Do not stare at the screen while driving. Staring at the screen for prolonged periods of time could lead to traffic accidents.
- ⌵ Do not operate the Navigation system while driving, such as entering POIs or conducting route searches. Such acts could lead to accidents, fire, or electric shock. Park the vehicle before operating the device.
- ⌵ Do not disassemble, assemble, or modify the Navigation system. Such acts could result in accidents, fire, or electric shock.
- ⌵ Heed caution not to spill water or introduce foreign objects into the device. Such acts could lead to smoke, fire, or product malfunction.
- ⌵ Please refrain from use if the screen is blank or no sound can be heard as these signs may indicate product malfunction. Continued use in such conditions could lead to accidents (fires, electric shock) or product malfunctions.
- ⌵ Do not touch the antenna during thunder or lightening as such acts may lead to lightning induced electric shock.
- ⌵ Do not stop or park in parking-restricted areas to operate the product. Such acts could lead to traffic accidents.
- ⌵ For most Audio and multimedia modes, the display will not operate when the vehicle is in motion. For your safety, first park the vehicle to watch or view the screen. (The screen will operate when the parking brake is set to ON for manual transmission vehicles and when set to P or Parking Brake On state for auto transmission vehicles.)

Safety Cautions

Pay attention to traffic conditions while driving.

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

Key Product Features


This device is an Audio Navigation system equipped with a multifunctional disc player that supports Radio (FM1, FM2, AM), HD Radio technology, Audio CD, MP3, USB, iPod, and Audio, Aux, and My Music features. The WIDE VGA LCD provides a high quality resolution while the powerful and rich sound system adds to the driving enjoyment.







Display	Wide TFT-LCD Display <ul style="list-style-type: none">• Provides high quality sound and video through a Wide TFT-LCD Display using an LED Back Light• Touch screen for maximum user convenience
Radio	Digital Tuner Feature <ul style="list-style-type: none">• Digital Tuner using PPL method that supports memory of 6 broadcast stations for each AM, FM1, and FM2 modes Integrated Antenna (RADIO+NAVI) <ul style="list-style-type: none">• Outstanding reception via integrated antenna with high sensitivity Radio broadcast station name <ul style="list-style-type: none">• Displays broadcast station names for key locations HD Radio/Satellite Radio feature <ul style="list-style-type: none">• Supports HD Radio reception and Satellite Radio (XM)
Multimedia Player	Support for various Media Formats <ul style="list-style-type: none">• Support for various media formats, including Radio, audio MP3 CD, USB, iPod and AUX• Supports USB, iPod, and Bluetooth® Audio Streaming modes My Music <ul style="list-style-type: none">• Supports copying of music stored within USB or iPod devices into My Music (internal memory) mode USB Image <ul style="list-style-type: none">• Copy to view and save images saved in USB devices

<p>Navigation</p>	<p>Voice Guidance</p> <ul style="list-style-type: none"> • Voice route guidance to safely and conveniently reach set destinations • Various map scales that enables drivers to accurately view map and surrounding areas <p>Automatic Correction for Current Location</p> <ul style="list-style-type: none"> • Automatically corrects current position using map matching and GPS information
<p>Blue Link®</p>	<p>Sync with Blue Link® Center</p> <ul style="list-style-type: none"> • Synchronization with the Blue Link® Center to provide various types of information <p>Vehicle Diagnostics/Maintenance</p> <ul style="list-style-type: none"> • Supports Vehicle Theft Protection, Parts Diagnostics and Recall Information <p>Eco Driving and Fuel Economy Management</p> <ul style="list-style-type: none"> • Supports Economic driving practices by providing driver/community fuel economy information and Eco Rewards
<p>Miscellaneous</p>	<p>Bluetooth® Wireless Technology</p> <ul style="list-style-type: none"> • Convenient use of Bluetooth® Handsfree by using buttons within the steering wheel remote controller <p>Digital Screen Control Features</p> <ul style="list-style-type: none"> • Easy control of features through touch screen options <p>Steering Wheel Remote Controller</p> <ul style="list-style-type: none"> • Control over audio features, voice recognition and Bluetooth® through the steering wheel remote controller for maximum convenience



Component Names and Functions




Head Unit

Name	Description
1 PHONE	Takes user to home phone screen
2 	When key is pressed shortly. (under 0.8 seconds) <ul style="list-style-type: none"> In FM/AM mode, plays previous/next frequency In XM mode, plays the previous/next channel In CD/MP3/USB/iPod/My Music modes, changes the track, file or chapter
	When key is pressed and held. (over 0.8 seconds) <ul style="list-style-type: none"> In FM/AM mode, continuously changes the frequency until the key is released and plays the current frequency In XM mode, continuously changes the channel until the key is released and plays the current channel In CD/MP3/USB/iPod/My Music modes, rewinds or fast-forwards the track or file
3 FM/AM	<ul style="list-style-type: none"> Converts to FM/AM mode Each time the key is pressed, the mode is changed in order of FM1 → FM2 → AM → FM1
4 INFO	Displays the Info mode screen
5 MEDIA	<ul style="list-style-type: none"> Displays CD, MP3, USB, iPod, AUX, Bluetooth® Audio Streaming, My Music modes If the media is not connected or a disc is not inserted, corresponding modes will be disabled
6 SAT	Converts to XM mode <ul style="list-style-type: none"> Each time the key is pressed, the mode is changed in order of XM1 → XM2 → XM3 → XM1

Name	Description
7  PWR key  VOL Knob	<ul style="list-style-type: none"> When power is off, press to turn power on When power is on, press and hold (over 0.8 seconds) to turn power off When power is on, press shortly (under 0.8 seconds) to turn Audio off Turn left/right to control volume
8 ROUTE	Displays Route menu screen
9 SETUP	Displays the Setup mode
10 	Displays the map for the current position
11 	<ul style="list-style-type: none"> In FM/AM mode, changes the frequency In XM mode, changes the channel In CD, MP3, USB, iPod, My Music modes, changes the track, file or chapter
12 DEST	Displays the Destination setup menu
13 ENTER	Executes the selection
14 	Press to insert or eject disc
15 CLOCK	Displays current time and date
16 RESET	Resets and restarts the system
17 	SD Card insert slot

Steering Wheel Remote Controller

Name	Description
1 VOL+ VOL-	Controls the volume
2 MUTE	Mutes the sound
3  	<p>When keys are pressed shortly. (under 0.8 seconds)</p> <ul style="list-style-type: none"> In FM/AM mode, searches broadcast frequencies saved to Presets In XM modes, searches broadcast channels saved to Presets In CD/MP/USB/iPod/My Music modes, changes the track, file or chapter <p>When keys are pressed and held. (over 0.8 seconds)</p> <ul style="list-style-type: none"> In FM/AM mode, automatically searches broadcast frequencies and channels In XM modes, automatically searches broadcast channels In CD/MP3/USB/iPod/My Music modes, rewinds or fast forwards the track or file
4 MODE	<ul style="list-style-type: none"> Each time this key is pressed, the mode is changed in order of FM1 → FM2 → AM → XM1 → XM2 → XM3 → USB or iPod → AUX → Bluetooth® Audio → My Music If the media is not connected or a disc is not inserted, corresponding modes will be disabled Press and hold the key (over 0.8 seconds) to turn the Audio system on/off When power is off, press the key to turn power back on

Name	Description
5 	<p>When pressed shortly. (under 0.8 seconds)</p> <ul style="list-style-type: none"> Activates voice recognition <p>When pressed and held. (over 0.8 seconds)</p> <ul style="list-style-type: none"> Ends voice recognition
6 	<p>When pressed shortly. (under 1.2 seconds)</p> <ul style="list-style-type: none"> When pressed in the phone screen, displays call history screen When pressed in the dial screen, makes a call When pressed in the incoming call screen, answers the call When pressed during call waiting, switches to waiting call (Call Waiting) <p>When pressed and held. (over 1.2 seconds)</p> <ul style="list-style-type: none"> When pressed in the Bluetooth® Handsfree wait mode, redials the last call When pressed during a Bluetooth® Handsfree call, switches call back to mobile phone (Private) When pressed while calling on the mobile phone, switches call back to Bluetooth® Handsfree (Operates only when Bluetooth® Handsfree is connected)
7 	<p>When pressed during a call, ends the phone call</p> <p>When pressed in the incoming call screen, rejects the call</p>

Component Names and Functions

Room Mirror



Name	Description
1 Blue Link® Center	Connects to the Blue Link® Center to speak with consultants When pressed again during call, ends call
2 Blue Link® for POI	After connecting to the Blue Link® Center, used to request POI information through voice recognition When pressed again during call, ends call
3 Blue Link® for SOS	<ul style="list-style-type: none">• When an unforeseen emergency occurs, used to make call and request Blue Link® SOS service• When pressed again during call, ends call

Starting the System for the First Time

Turning the System On/Off

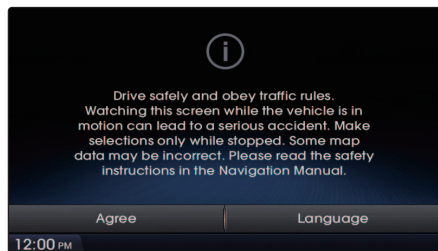
Turning the System On

If the engine start button is pressed without pressing the brakes, then the ACC and system will turn on.

Once the system is turned on, the booting process will start and the safety warning page is displayed.

Pressing the **PWR** key on the head unit will display the safety warning page.

Press the **Agree** button to display the most recent mode.



To change the system language between Korean, English, Français, and Español press the **Language** button.

i Information

- No operations are supported while the system is booting. Some time may be required until all features are ready for use.

⚠ CAUTION

- The safety warning page is displayed every time the ignition is turned on. The displayed warnings are related to safety, please closely read and comply with the safety warnings.

Turning the System Off

Press the engine start button again or press and hold the **PWR** key on the system to turn the system off.

i Information

- If the system is turned off while the Handsfree is being used, then the call will automatically switch back to the mobile phone.
- ADM (Accessory Delay Mode) refers to a state in which the navigation system will remain turned on for continued use up to a certain amount of time even if the vehicle ignition is set to ACC OFF state.
- The navigation system will automatically turn off if more than 3 minutes has passed in ACC OFF state or the driver-side door is opened.
- While ADM is operating, it is possible to manually turn off the system power.

Starting the System for the First Time

⚠ CAUTION

- Pay attention to the volume setting when turning the device on. Adjust the volume to a suitable levels before turning off the device.

Resetting the System

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

Press and hold the RESET key. (about 1 second)

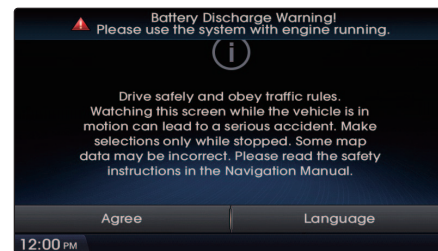
(The use of a clip or pin is recommended when resetting the system.)

NOTICE

- Upon resetting the system, saved data and settings information (radio frequencies, volume and display settings) will be restored back to the default factory state. Such are not indications of malfunctions.

Battery Warning Message

Use the system only when the engine is running. If the system is turned on with the engine off, then the following warning will be displayed.



This message will automatically disappear once the engine is turned on.

⚠ CAUTION

- Using the system for prolonged periods of time without the engine running may result in battery discharge.

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 9V ~ 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		Transmission	F1E, G1E
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.

Appendix Homologation

FCC Compliance Statement.

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 has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

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

Do Not



Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.

Be sure

The antenna(s) used for this device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

IC Compliance Statement.

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
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Avis d'Industrie Canada sur l'exposition aux rayonnements

Cet appareil est conforme aux limites d'exposition aux rayonnements d'Industrie Canada pour un environnement non contrôlé.

Il doit être installé de façon à garder une distance minimale de 20 centimètres entre la source de rayonnements et votre corps.