HYUNDAI

Car Navigation System
OWNER'S MANUAL

EQUUS

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

PREFACE

Thank you for purchasing this Audio Visual Navigation System.

This user manual explains how to use HAVN-100 Series.
Before using the product, read the contents of this user 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 manual so that the next driver can continue its use.

DOLBY

Manufactured under license from Dolby Laboratories
"Dolby" and the double-D symbol are trademarks of Dolby Laboratories

iPod

iPod is a registered trademark of Apple, Inc.

DTS

Manufactured under license under U.S. Patent #'s : 5,451,942; 5,956,674; 5,974,380;5,978,762; 6,487,535 & other U.S. and worldwide patents issued & pending. DTS is a registered trademark and the DTS logos, Symbol and DTS 2.0 Channel are trademarks of DTS, Inc.
©1996-2009 DTS, Inc. All Rights Reserved.

TABLE OF CONTENTS

1. PRE-OVERVIEW

Introduction

Important information about this manual

This user manual contains instructions related to safety. Closely observe and comply with all of the safety instructions found within this manual.

⚠ **WARNING!**

Disobeying the warnings listed within this user manual may cause fatal or serious injuries. Warnings indicate matters which may directly lead to accidents.

⚠ **CAUTION!**

Disobeying the cautions listed within this user manual may lead to accidents or cause injury. Cautions indicate matters which may lead to vehicle damage or malfunction.

ⓘ **INFORMATION**

Information which the user must be aware or allows for more convenient use of the device.

Precaution for safe usage

⚠ **WARNING!**

● Do not operate the Audio Visual Navigation system while driving.
● Do not dismantle, assemble, or modify the Audio Visual 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.

⚠ **CAUTION!**

● Do not operate the Audio Visual Navigation system for prolonged periods of time with the vehicle ignition in ACC. Such operations may lead to battery discharge.
● Be careful not to spill water or insert 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 sale or service centre.

● When cleaning the touch screen, make sure to turn off the device and use a dry and smooth cloth. Never use abrasive materials, chemical cloths, or solvents (alcohol, ammonia, benzene, thinners, etc.) as such materials may damage the device panel or cause colour and quality deterioration.

This indicates a key on the control panel.

ENGLISH

1. PRE-OVERVIEW

Audio Visual Navigation System Controls and functions

❶ **Power / Volume control knob**
- ● Push knob (over 0.8 seconds) : Turns the power off.
- ● Push knob (under 0.8 seconds) : Each time the knob is pressed, the Audio is turned on and off.
- ● Tune knob : The range of volume adjustment is between 0 ~ 35.

❷ **SEEK/TRACK Up/Down**
- ● SHORT KEY(less than 0.8 seconds)
  - • FM/AM Mode : Automatically searches for the previous or next broadcast frequency and starts playing.
  - • CD Mode : Plays the previous or next track.
  - • MP3, USB Mode : Plays the previous or next file.
  - • DVD Mode : Plays the previous or next chapter.
  - • iPod Mode : Plays the previous or next song.
- ● LONG KEY(over 0.8 seconds)
  - • FM/AM Mode : Quickly moves through the frequencies while the key is pressed.
  - • Once released, automatically searches for broadcasts which can be received.
  - • CD Mode : REW/FF the currently playing track.
  - • MP3, USB Mode : REW/FF the currently playing file.
  - • DVD Mode : REW/FF the currently playing chapter.
  - • iPod Mode : REW/FF the currently playing song.

❸ **FM/AM**
Each press will change the bands in the following order : FM1→ FM2 → AM ...

❹ **PHONE**
Display the Bluetooth Handsfree screen.

❺ SETUP

Displaying the Setup menu screen.

❻ TUNE/Search
- FM/AM Mode : Turn the knob to search for the desired frequency. Press the knob to receive the selected frequency.
- CD Mode : Turn the knob to search for the desired track. Press the knob to play the selected track.
- MP3, USB Mode : Turn the knob to search for the desired file. Press the knob to play the selected file.
- iPod Mode : Turn the knob to search for the desired song. Press the knob to play the selected song.
- Map Mode : Turn the knob to Zoom In/ Out.

❼ MEDIA

Each press will change the Modes in the following order : DISC(CD, MP3, DVD) → (USB or iPod) → (AUX) → Phone Music → DISC(CD, MP3, DVD) ...

❽ MUTE
- Turns the sound on and off.
- When the MUTE is turned on, the MUTE icon is displayed.
- Within Navigation mode, the MUTE icon displayed at the top of the screen will disappear after 3 seconds.

⚠ **WARNING!**

Always give your full attention to driving. Avoid operating your system in ways that could distract you from driving your vehicle.

1. PRE-OVERVIEW

Sound setting

Displaying the Sound setup screen
Press the SETUP button on the main
screen of each AV mode (FM/AM, CD, MP3,
DVD, USB, iPod) to display the Sound
setting screen.

FAD/BAL
The position of the sound can be adjusted
by using the up-down and left-right (▲ ,
▼ , ◄ , ►) buttons on the left side of
the screen.

BAS/MID/TRE
The BAS/MID/TRE can be adjusted by using
the left/right buttons (◄ , ►) next to
each control.

Surround ON/OFF
Each time the Surround button is pressed,
the Surround sound feature is turned on or
off.

Touch screen Beep ON/OFF
Each time the Beep button is pressed,
the beeping sound that follows each press
of the screen will turn on/off.

Display setting

Displaying the Display setup screen.
Press the SETUP button on the main
screen of each AV mode (FM/AM, CD, MP3,
DVD, USB, iPod) to display the Display
setting screen.

Brightness / saturation / hue / contrast
Use the left/right buttons (◄ , ►) for
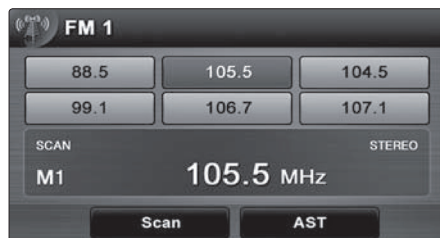each control to make adjustments.

Ratio
1. Press the Ratio button.

2. Adjust the desired aspect ratio. The
   currently selected aspect ratio is
   highlighted.

2. AV SYSTEM

Operating the FM/AM radio

Listening to the FM/AM radio

1. Press the FM/AM key on the control panel. The most recently selected FM/AM radio band will be displayed.

2. Press the FM/AM key to change the radio band. Each press will change the bands in the following order: FM1 → FM2 → AM ...

3. Select the desired broadcast frequency.

Selecting broadcast frequency

(a) Selecting a broadcast frequency through SEEK

Press the SEEK ∧ or TRACK ∨ key on the control panel for less than 0.8 seconds. Once the SEEK function is operating (SEEK indicator blinking), the following or previous broadcast frequency with superior reception will be searched automatically.

(b) Selecting a broadcast frequency through manual search

Turn the TUNE knob on the control panel in clockwise or counter-clockwise direction. Each click on the TUNE knob will increase or decrease the frequency by 1 step (FM : 0.05 MHz, MW : 9 kHz, LW : 1kHz).

Storing preset

(a) Manual Storing

1. Select the desired frequency.

2. Press and hold (over 0.8 seconds) the desired preset button. The frequency will then be stored along with a beep sound.

2. AV SYSTEM

Operating the CD

Listening to CD music

1. Press the MEDIA key on the control panel while inserting the CD DISC or with the disc already inserted.

2. Select the desired track.

Selecting the CD track
(a)electing through Track Up / Down
Press the SEEK ∧ or TRACK ∨ key on the control panel for less than 0.8 seconds. The following or previous track will begin playing.

(b) Selecting by searching tracks
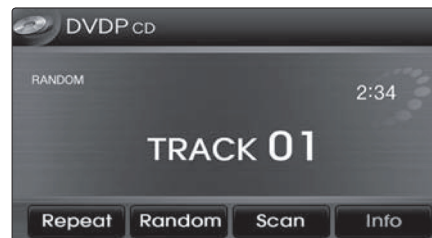1. Turn the TUNE knob on the control panel in clockwise or counter-clockwise direction.
   Each click on the TUNE knob will display the information of the following or previous track.
   The current track will continue to be played.

2. Press the TUNE knob when the desired track has been found. The track will then begin playing.

REW/FF tracks

Press and hold (over 0.8 seconds) the SEEK ∧ or TRACK ∨ key on the control panel.

The track will fast-forward or rewind at 20x speed while the key is held and return to normal speed once the key is released.

Setting Repeat function
Press the Repeat button.
Each press will change the function in the following order : REPEAT → REPEAT OFF → REPEAT ...
● REPEAT : repeats the currently playing track.

Setting Random function
Press the Random button.
Each press will change the function in the following order: RANDOM → RANDOM OFF → RANDOM ...
● RANDOM : plays all tracks in the disc in random order.

Scanning tracks

1. Press the Scan button. Each press will change the function in the following order : SCAN → SCAN OFF → SCAN ...
● SCAN : scans all tracks in the disc for 10 seconds each.

2. Press the Scan button again to continue listening to the track. The scan will end and the current track will continue to be played.

| Operating the MP3, USB |

Listening to MP3 music

1. Press the MEDIA key on the control panel while inserting the MP3 DISC or with the disc already inserted.

2. Select the desired file.

Selecting a file

(a) Selecting through search files

1. Turn the TUNE knob on the control panel in clockwise or counter-clockwise direction. Each click on the TUNE knob will display the information of the following or previous file. The currently playing file will continue to be played.

2. Press the TUNE knob at the desired file. The searched file will begin playing.

(b) Selecting through MP3 List

1. Press the List button.
   The file list of the folder for the currently playing file will be displayed.

2. Press the desired menu to return to the main screen and play the selected file.

REW/FF files

Press and hold (over 0.8 seconds) the SEEK ∧ or TRACK ∨ key on the control panel. The file will fast-forward or rewind at 20x speed while the key is held and return to normal speed once the key is released.

2. AV SYSTEM

Viewing detail information for MP3 file

Press the ┃Info┃ button.

The detailed information (Title, Artist, Album, Genre) for the currently playing MP3 will be displayed.

Setting Repeat function

Press the ┃Repeat┃ button.

Each press will change the function in the following order : REPEAT → FOLDER REPEAT → REPEAT OFF → REPEAT...

● REPEAT : repeats the currently playing file.
● FOLDER REPEAT : repeats the files in the current folder.

Setting Random function

Press the ┃Random┃ button.

Each press changes the setting as follows : RANDOM → FOLDER RANDOM → RANDOM OFF → RANDOM ...

● FOLDER RANDOM : plays the files in the current folder in random order.
● RANDOM : plays all files in the disc in random order.

Scanning files

1. Press the ┃Scan┃ button.

Each press will change the function in the following order: SCAN → FOLDER SCAN → SCAN OFF → SCAN ...

● FOLDER SCAN : plays all files in the current folder for 10 seconds each.
● SCAN : scans all files in the disc for 10 seconds each.
● Press the ┃Scan┃ button again to continue listening to the file. The scan will end and the current file will continue to be played.

Operating the DVD

Watching a DVD movie

1. Press the MEDIA key on the control panel while inserting a DVD DISC or with the disc already inserted.

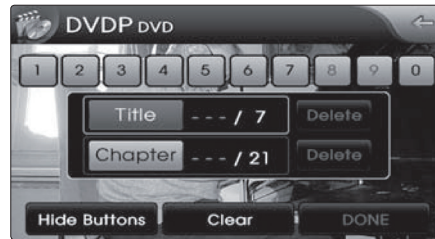2. Select the desired title and chapter.

Selecting a DVD movie chapter

(a) Selecting through Chapter Up / Down
Press the SEEK ∧ or TRACK ∨ key on the control panel for less than 0.8 seconds. The following or the previous chapter will begin playing.

(b) Selecting through directly searching the title and chapter number

1. Press the Search button.

2. Press the Title or Chapter button.
3. Input the desired title or chapter number.
4. Press the DONE button.
   The start of the corresponding title or chapter will begin playing.

(c) Selecting through DVD title menu
1. Press the Title button.
2. Select the desired menu by using the 4-direction button.
3. Press the DONE button.
   The corresponding screen will be displayed.

Changing voice, caption or angle while playing the DVD

Each time the Voice , Caption , or Angle button is pressed, the video will be played with the new settings applied.

REW/FF DVD movie

Press and hold (over 0.8 seconds) the SEEK ∧ or TRACK ∨ key on the control panel. The DVD will fast-forward or rewind at 16x speed while the key is held and return to normal playing speed once the key is released.

Hiding DVD menu buttons

Press the ⸢Hide Buttons⸥ button.
The menu button and display information will be hidden from the screen and only display the DVD video.

⚠ WARNING!

Always give your full attention to driving. Avoid operating your system in ways that could distracted you from driving your vehicle.

ⓘ INFORMATION

DVDs can be displayed or played on the navigation screen only when the transmission is in Park.

Operating the iPod

iPod is a registered trademark of Apple, Inc.

Listening to iPod music

1. Press the ⸢MEDIA⸥ key on the control panel if the iPod is already connected.

2. Select the desired song.

Selecting an iPod music

(a) Selecting a song using Up / Down
Press the ⸢SEEK ∧⸥ or ⸢TRACK ∨⸥ key on the for less than 0.8 seconds.
The following or previous song will begin playing.

(b) Selecting a song using sequential search

1. Turn the ⸢TUNE⸥ knob on the control panel in clockwise or counter-clockwise direction. Each click on the ⸢TUNE⸥ knob will display the information of the following or previous song.
The currently playing song will continue to be played.

2. Press the ⸢TUNE⸥ knob at the desired song. The selected song will begin playing.

(c) Selecting song via the Menu

1. Press the ⸢Menu⸥ button. The iPod menu screen will be displayed.

2. Press the button for the desired search method.

REW/FF song

Press and hold (0.8 seconds) the SEEK ∧ or TRACK ∨ key on the control panel or S/Wheel Remote controller. The song will fast-forward or rewind while the key is held down and return to normal play once the key is released.

Setting repeat function

Press the Repeat button.
Each press will change the function in the following order: REPEAT → REPEAT OFF → REPEAT ...
● REPEAT : repeats the currently playing song.

Setting random function

Press the Random button.
Each press will change the function in the following order: RANDOM → ALBUM RANDOM → RANDOM OFF → RANDOM ...
● ALBUM RANDOM : plays the songs in the currently playing list randomly in Album units.
● RANDOM : plays all files in the currently playing list in random order.

3. BLUETOOTH

Operating the Bluetooth Handsfree

Connecting through the device

When there is no phone paired

1. Press the CALL or PHONE key on the control panel.

2. Once the above message appears on the screen, press the YES button. Pressing the NO button on the control panel will restore the screen displayed prior to pressing the CALL or PHONE key on the control panel.

3. Once the "Search BLUETOOTH" screen becomes displayed, Bluetooth phones (devices) in the vicinity will be searched.
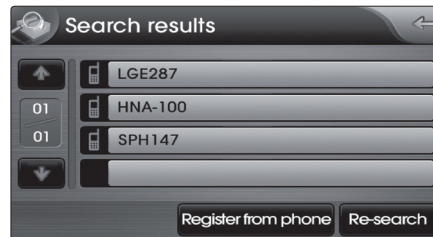
4. Select the device desired for connection from the "Search results" screen. If search results do not become displayed, press the Re-search button.
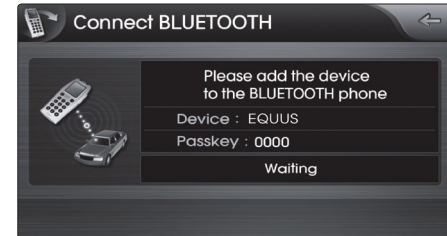
5. Enter the passkey in the Bluetooth phone and connect with the system.

6. The above message window will become displayed if the passkey was entered too late or if pairing has failed. Press the Yes button to try pairing again.

When a phone is already paired

1. If there is a Bluetooth phone already paired, press the CALL or PHONE key on the control panel to display the screen shown above. Press the Yes button to connect the phone.

2. The currently paired phone list will become displayed.

3. Select the Bluetooth phone you wish to connect and press the Connect button.

4. Once connection becomes complete, the Bluetooth icon will change into blue to signify that the connection has been successfully completed.

Making a call

1. Use the dial pad positioned on the right side of the "Phone" screen and enter the desired number.

2. Press the Call button or the CALL or PHONE key on the control panel to connect the call.

Answering a call

1. The above screen will become displayed when there is an incoming call. Press the CALL or PHONE key on the control panel or the Call button on the screen if to accept the call.

2. The call will become connected.

Transferring call to the Bluetooth phone

1. To transfer a call from the Bluetooth Handsfree to the Bluetooth phone, press the CALL or PHONE key on the control panel for over 0.8 seconds or press the Transfer to phone button on the "Phone" screen.

2. A notification window alerting that the call has been converted to the Bluetooth phone will become displayed.

Transferring call to the Handsfree

1. To transfer a call from the Bluetooth phone to the Bluetooth Handsfree, press the CALL or PHONE key on the control panel for over 0.8 seconds.
   Pressing the Transfer to phone button displayed on the notification window will also transfer the call to the handsfree.

2. Transferring the call to the handsfree will make it possible to take the call through the device.

Activating Call waiting

1. If another person calls while on a call, a notification window will become displayed as shown above.
   To answer the second call, press the CALL or PHONE key on the control panel for less than 0.8 seconds or press the Call button on the notification window.

2. The call will transfer to the second call.

Viewing Recent Calls

1. Press the Call button on the "Phone" screen or press the CALL or PHONE key on the control panel.

2. The recent calls list will become displayed.

3. If there is no recent calls list, the Call button on the screen will be disabled.

Connecting Bluetooth

1. Press the Connection setting button on the "Phone" screen.

2. The "Connection setting" screen is displayed.

3. Select the Bluetooth phone you wish to connect and press the Connect button.

4. Once connection is complete, the Bluetooth icon will change into blue to signify that the connection has been successfully completed.

Setting auto connect

1. Press the Connection setting button on the "Phone" screen.

3. BLUETOOTH

2. Press the ⌞Set autoconnect⌟ button on the "Connection setting" screen.

3. Once the "Auto connection setup" screen becomes displayed, press the button for the desired setting.

4. Press the ⌞Done⌟ button to save the set value.

Changing Passkey

1. Press the ⌞Device settings⌟ button on the "Phone" screen.

2. Press the ⌞Change passkey⌟ button.

3. The "Change Passkey" screen will be displayed.

4. Input the desired number and press the ⌞Done⌟ button. Only 4-digit numbers can be used as the passkey.

Setting Handsfree volume

1. Press the ⌞Device settings⌟ button on the "Phone" screen.

2. Press the `Volume setting` button on the "Device setup" screen.

3. Use the `+`, `−` buttons to set the desired volume.

Initializing Bluetooth

1. Press the `Device settings` button on the "Phone" screen.

2. Press the `Data initialization` button on the "Device setup" screen.
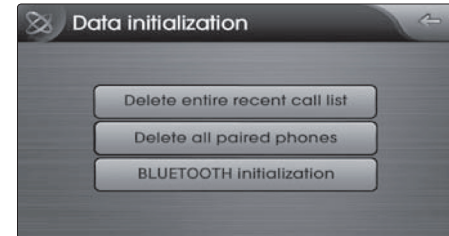
3. Within the "Data initialization" screen, press the `BLUETOOTH initialization` button.

4. Press the `YES` button on the notification window to initialize the Bluetooth settings.

4. HVAC SYSTEM

HVAC System

HVAC System status bar

	HVAC key	Function
❶	CLIMATE	HVAC status information is displayed at the top of the screen. The information bar will automatically disappear after 5 seconds.
❷	AUTO	Turns the heating/cooling auto function ON/OFF. When using AUTO, the cabin temperature is set to a proper level by calculating the outside temperature through a temperature sensor.
❸	AQS	The air intake mode is controlled automatically.
❹	Recirulation	Switches the air intake mode to recirculation or exterior mode.
❺	FRONT	Removes humidity and frost by blowing fan towards the front window.
❻	REAR	The rear window defroster is turned ON/OFF. When the defroster is operating, the LED on the display window and at the top of the switch will turn on.
❼	OFF	Turns the HVAC system OFF.
❽	A/C	Turns the air conditioner ON/OFF.
❾	DUAL	The dual automatic temperature control setting is turned on or off. When setting on DUAL, the temperature settings on the driver-side and passenger-side can be controlled independently.

HVAC System

HVAC System status bar

	HVAC key	Function
⑩	DRIVER TEMP	The driver-side temperature setting can be increased or decreased.
⑪	BLOWER	Sets the BLOWER fan level.
⑫	MODE	Sets the fan mode.
⑬	PASSENGER TEMP	The passenger-side temperature is increased or decreased.
⑭	OUTSIDE	The outside temperature is displayed.

5. FRONT AND REAR VIEW CAMERA

About the front view camera

With the ignition turned on and the `BLIND` key selected, the front view camera will automatically operate when the transmission lever is at a position other than P or R. The front view camera will operate only when traveling at low speeds (under 10km/h) and the front left and right field of vision can be seen through the camera display.
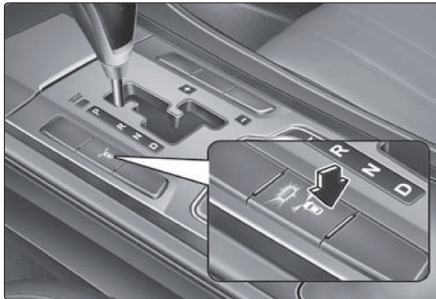
About the rear view camera

This vehicle is equipped with a rear view camera providing drivers with a field of vision.
The rear view camera will automatically operate when the transmission lever is positioned to R. Changing the transmission lever to a position other than R will terminate rear view camera mode.

ℹ️ *INFORMATION*

For safety reasons, only the volume controller, answering a call with handsfree, and mute functions can be operated while in front and rear view camera mode.

⚠️ CAUTION!

As a wide-angle lens has been equipped in order to acquire a wider field of vision, the distance front and rear view cameras may appear differently from the actual distance. For safety, directly check the front/rear and left-right field of vision.

6. APPENDIX

Important information

Bluetooth

Frequency Range	2402 ~ 2480MHz
Bluetooth standard	2.0
Profile	Headset(1.0), Handsfree(1.5), A2DP(1.0), AVRCP(1.0)
Transmission output	0.02mW
Radio Emission	F1D
No. of channels	79 channels
Operating temperature	-20°C ~ +65°C

⚠ CAUTION!

The wireless device may be the cause of radio interference.

The manufacturer and installation provider will not be responsible to provide services related to human safety.

Common

Name	Car TFT LCD Display Audio Video Navigation Unit
Power supply	DC 14.4V
Operation Power	DC 10V ~ DC 16V
Voltage	2.5A
Dark current	4mA(Head Unit Only)
Operating temperature range	-20°C ~ +65°C
Storage temperature	-30°C ~ +75°C
Dimensions	217.2mm(W)x113.2mm(H)x204.3mm(D)
Weight	3.1kg

6. APPENDIX

Troubleshooting guide

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 point of sale or the nearest service centre.

Problem	Function
There are small red, blue, or green dots on the screen.	Because the LCD is manufactured with technology requiring high point density, a pixel deficiency or lighting 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 video is being displayed but the sound is not working.	Has the volume been set to a low level?
	Has the volume been set on mute?
When the power is turned on, the corners of the screen are dark.	The display looking somewhat darker after prolonged periods of use is a normal phenomenon with LCD panels. It is not a malfunction.
	If the screen is very dark, contact your point of sale or the nearest after service centre.
Sound is working from only one speaker.	Is the position of FAL/BAL sound controls or volume adjusted to only side?
Sound and video does not work in AUX mode.	Is the audio and video connector jacks fully inserted into the AUX terminal?
The external device is not working.	Is the external device connected with a standard connector cable?

Troubleshooting

Problem	Possible Cause	Solution
The power does not switch on.	The fuse is disconnected.	Replace with a suitable fuse. If the fuse is disconnected again, please contact your point of sale or service centre.
	Device is not properly connected.	Check to see that the device has been properly connected.
The DVD does not play.	The DISC has not been inserted or has been inserted upside down.	Insert the disc properly so that the sides are facing the correct direction.
	The DISC has been contaminated.	Wipe clean dirt and other foreign substances from the DISC.
	The vehicle battery is low.	Charge the battery. If the problem persists, please contact your point of sale or service centre.
	A disc which is not supported by the device has been inserted.	Insert a disc which is supported for play by the device.
	A disc which has a region code not supported by the device has been inserted.	The region code for the device is code "5". Use a DVD which has the region code of "5" or "ALL".
	The DVD cannot be played because the parental guidance level is operating.	Check the parental guidance level in the initial setup screen.
The image colour or tone quality is low.	The brightness, saturation, hue, and contrast levels are not properly set.	Adjust the brightness, saturation, hue, and contrast levels through the display setting.
The video does not work.	The brightness level has been set to the lowest level.	Adjust the brightness to a higher level.
	The device is not properly connected.	Check to see that the device has been properly connected.

6. APPENDIX

Problem	Possible Cause	Solution
The sound does not work.	The volume level is set at the lowest level.	Adjust the volume level.
	The connector is not properly connected.	Check the connection state.
	The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode.	The sound will not work when the device is fastforwarding, rewinding, scanning, or playing in slow mode.
The sound or video quality is low.	The DISC is dirty or scratched.	Wipe off water or dirt from the DISC. Do not use a disc which has been scratched.
	Vibration is occurring from the position in which the conversion switch has been installed.	The sound may be short-circuited and the image distorted if the device begins to vibrate. The device will return to normal operation once the vibration has stopped.
	The color and tone quality of the image is low.	Aging of the video display and deterioration in performance may cause certain degradations in quality.
Subtitles do not work.	Subtitles are not included in the currently playing DVD.	The subtitles cannot be played.
	The subtitle language has been set to "OFF".	Set the subtitle language on the desired language.
Subtitles do not turn off.	The DVD currently being played has disabled the hide subtitle function.	The subtitle cannot be turned off.
The sound or subtitle language does not change.	Only one language is included in the currently playing DVD.	The language cannot be changed if the DISC does not support multi-languages.
	The currently playing DVD only supports one language.	The language cannot be changed.
The selected sound or subtitle language cannot be used.	A language which is not supported by the currently playing DVD has been selected.	A language not supported by the DVD cannot be played.

Problem	Possible Cause	Solution
The aspect ratio selected in the initial setting phase cannot be used.	An aspect ratio which is not supported by the DVD currently being played has been selected.	An aspect ratio not supported by the DVD cannot be played.
The angle cannot be adjusted.	The currently playing DVD only supports one angle setting or only some of the DVD scenes support multi-angles.	The angle cannot be changed if the DISC does not support multi-angles or when playing a scene with only one angle.
	The currently playing DVD only supports one angle.	The angle cannot be changed.
The USB does not work.	USB memory is damaged.	Please use after formatting the USB into FAT 12/16/32 format.
	USB memory has been contaminated.	Remove any foreign substances on the contact surface of the USB memory and multimedia terminal.
	A separately purchased USB HUB is being used.	Directly connect the USB memory with the multimedia terminal in the vehicle.
	A USB extension cable is being used.	Directly connect the USB memory with the multimedia terminal in the vehicle.
	A USB which is not a Metal Cover Type USB Memory is being used.	Use a standard USB Memory.
	A HDD type, CF, SD Memory is being used.	Use a 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 recognized even though it has been connected.	There are no titles which can be played.	Use iTunes to download and save MP3 files into the iPod.
	The iPod firmware version has not been properly updated.	Use iTunes to update the firmware version and reconnect the iPod with the device.
	The iPod device does not recognize downloads.	Reset the iPod and reconnect with the device.

6. APPENDIX

DVD region code and language Code

Region code

Region Code	Countries
0	No Region Code
1	United States of America, Canada
2	Europe, including France, Greece, Turkey, Egypt, Arabia, Middle East, Japan and South Africa
3	Korea, Thailand, Vietnam, Borneo and Indonesia
4	Australia and New Zealand, Mexico, the Caribbean, and South America
5	India, Africa, Russia and former USSR countries
6	Peoples Republic of China
7	Unused
8	Airlines/Cruise Ships
9	Expansion (often used as region free)

Language code

Code	Country	Code	Country
0101	Afar	0315	Corsican
0102	Abkhazian	0319	Czech
0106	Afrikaans	0325	Welsh
0113	Amharic	0401	Danish
0118	Arabic	0405	German
0119	Assamese	0426	Bhutani
0125	Aymara	0512	Greek
0126	Azerbaijani	0514	English
0201	Bashkir	0515	Esperanto
0205	Belarusian	0519	Spanish
0207	Bulgarian	0520	Estonian
0208	Bihari	0521	Basque
0209	Bislama	0601	Persian
0214	Bengali	0609	Finnish
0215	Tibetan	0610	Fijian
0218	Breton	0615	Faroese
0301	Catalan	061	French

Code	Country	Code	Country	Code	Country	Code	Country	Code	Country	Code	Country
0625	Frisian	0923	Hebrew	1222	Latvian	1518	Oriya	1912	Slovenian	2012	Tagalog
0701	Irish	1009	Yiddish	1307	Malagasy	1601	Punjabi	1913	Samoan	2014	Tswana
0704	Scots	1001	Japanese	1309	Maori	1612	Polish	1914	Shona	2015	Tonga
0712	Gallegan	1022	Javanese	1311	Macedonian	1619	Pushto	1915	Somal	2018	Turkish
0714	Guarani	1101	Georgian	1312	Malayalam	1620	Portuguese	1917	Albanian	2019	Tsonga
0721	Gujarati	1111	Kazakh	1314	Mongolian	1721	Quechua	1918	Serbian	2020	Tatar
0801	Hausa	1112	Greenlandic	1315	Moldavian	1813	Romance	1919	Swati	2023	Twi
0809	Hindi	1113	Cambodian	1318	Marathi	1814	Kirundi	1920	Sesotho	2111	Ukrainian
0818	Croatian	1114	Kannada	1319	Malay	1815	Romanian	1921	Sundanese	2118	Urdu
0821	Hungarian	1115	Korean	1320	Maltese	1821	Russian	1922	Swedish	2126	Uzbek
0825	Armenian	1119	Kashmiri	1325	Burmese	1823	Kinyarwan	1923	Swahili	2209	Vietnamese
0901	Interlingua	1121	Kurdish	1401	Nauru	1901	da Sanskrit	2001	Tamil	2215	Volapuk
0905	Interlingue	1125	Kirghiz	1405	Nepali	1904	Sindhi	2005	Telugu	2315	Wolo
0911	Inupiak	1201	Latin	1412	Dutch	1907	Sangho	2007	Tajik	2408	Xhosa
0914	Indonesian	1214	Lingala	1415	Norwegian	1908	Croation	2008	Thai	2515	Yoruba
0919	Icelandic	1215	Laotian	1503	Occitan	1909	Sinhalese	2009	Tigrinya	2608	Chinese
0920	Italian	1220	Lithuanian	1513	Oromo	1911	Slovak	2011	Turkmen	2621	Zulu

LIMITED WARRANTY

ORIGINAL NAVIGATION HEAD UNIT SUPPLIED BY VEHICLE DEALER

Product :
Product No. :

WHAT THIS WARRANTY COVERS

1. Vehicle Dealer Shop ("Dealer") warrants to you that the Hardware will be free from defects in workmanship and materials under normal use ("Defects") for a period of three (3) years from the date of delivery to customers or 60,000KM, whichever comes first("Warranty Period"). During the Warranty Period the Hardware will be repaired or replaced at DEALER's choice ("Limited Warranty") without charge to you for either parts or labor. This Limited Warranty covers the replacement of the head unit including of the Hardware only.

WHAT THIS WARRANTY DOES NOT COVER

2. The Limited Warranty does not apply to normal wear and tear, does not apply when the Hardware is opened or repaired by someone not authorized by DEALER and does not cover repair or replacement of any Hardware or part thereof damaged by: misuse, moisture, liquids, proximity or exposure to heat and accident, abuse, non-compliance with the instructions supplied with the Hardware, neglect or misapplication. The Limited Warranty does not cover physical damage to the surface of the Hardware. This Limited Warranty does not cover any software that may accompany or be installed on the Hardware.

The Limited Warranty does not cover the installation, removal or maintenance of the Hardware or any costs related herewith.

HOW TO MAKE A WARRANTY CLAIM

3. In order to make a claim of a Defect, you must contact DEALER during the Warranty Period via www.motrex.ru to explain the Defect and to obtain an RMA number (Return Materials Authorization) if necessary.

You must return the Hardware during the Warranty Period, along with the RMA number provided by DEALER and an explanation of the Defect, to the address provided to you by DEALER. If a defect arises and a valid claim under this Limited Warranty is received by DEALER after the first 3yrs/60,000KM of the Warranty Period, DEALER is entitled to charge you for any reasonable shipping and handling costs made in connection with the repair or replacement of the Hardware. You must comply with any other return procedures stipulated by DEALER, if any.

DEALER LIMITED WARRANTY

YOUR LEGAL RIGHTS

4. Some countries may not allow the exclusion or limitation of damages. If any part of this Limited Warranty is held to be invalid or unenforceable, the remainder of the Limited Warranty shall nonetheless remain in full force and effect.

5. This Limited Warranty is the only express warranty made to you and is provided in place of any other express warranties or similar obligations (if any) created by any advertising, documentation, packaging, or other communications.

6. Except for the Limited Warranty and to the maximum extent permitted by applicable law, DEALER and its suppliers provide the Hardware "AS IS AND WITH ALL FAULTS", and hereby disclaim all other warranties and conditions, whether express, implied or statutory, including, but not limited to, any (if any) implied warranties, duties or conditions of satisfactory quality, of fitness for a particular purpose, of reliability or availability, of accuracy or completeness of responses, of results, of workmanlike effort, of lack of viruses, and of reasonable care and skill, all with regard to the Hardware, and the provision of or failure to provide support or other services, information, software, and related content through the Hardware or otherwise arising out of the use of the Hardware. Also, there is no warranty or condition of quiet enjoyment, quiet possession, or noninfringement with regard to the Hardware.

7. This Limited Warranty does not affect any legal rights under applicable national legislation governing the sale of consumer goods.

8. This Limited Warranty cannot be transferred to any other person.

LIMITATION OF LIABILITY

9. Neither DEALER nor its suppliers shall be liable to you or to any third party for any damages either direct, indirect, incidental, consequential or otherwise (including in each case, but not limited to, damages for the inability to use the equipment or access data, loss of data, loss of business, loss of profits, business interruption or the like) arising out of the use of or inability to use the Hardware even if DEALER has been advised of the possibility of such damages.

10. Notwithstanding any damages that you might incur for any reason whatsoever, the entire liability of DEALER and any of its suppliers shall be limited to the amount actually paid by you for the Hardware.

11. DEALER shall not be liable for

 (I) any fraud on the part of its employees and/or agents; or

 (I) any fraudulent misrepresentation on the part of its employees and/or agents.

12. Notwithstanding the above, neither party's liability for death or personal injury resulting from its own negligence shall be limited.

SUPPORT - HOTLINE

MOTREX AS Center

117303 Russia, Moscow, Bolshaya Yushunskaya, D.1a, K.1, office 410

Tel : +7 495 318 1527

E-mail : motrex@mail.ru

Homepage : www.motrex.ru