






③ To switch again to the other caller, press the **Switch** button or the  key on the steering wheel. The other call will be received and the previous call will switch back to call waiting.

i INFORMATION

Press the **End** button or the  key on the steering wheel to end the current call and call waiting.

Ending a call



① To end a call, press the **End** button or the  key on the steering wheel.



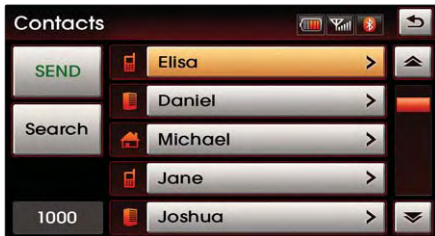
② The call will be ended.

Phone Book

Making a call from the Phone book



- 1 Press the **Contacts** button on the PHONE screen.



- 2 The phone book list will be displayed.

i INFORMATION

- The system may begin to slow down when downloading the phone book in some mobile phones.
- Upon connecting a mobile phone, the phone book lists saved in the mobile phone will automatically be downloaded. The phone book download function may not be supported in some mobile phones.



- 3 Select the number you wish to call from the phone book list and press the **SEND** button.



- 4 The call will be made to the selected number.

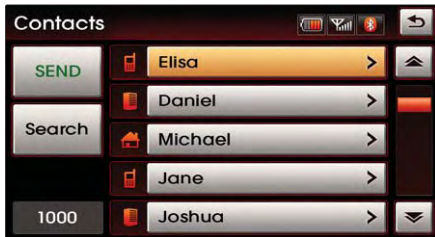
i INFORMATION

- When there are more than 2 numbers saved in one phone number list, if the list is repeatedly selected, the registered phone numbers will be displayed sequentially on the list.
- The Mobile Phone/Office/Home categories received via the mobile phone may differ from the information actually stored in the mobile phone.
- Select the phone number you wish to connect by repeatedly selecting the phone number list and press the **SEND** button to make the call to the selected number.

Searching the Phone Book



- 1 Press the **Contacts** button on the PHONE screen.



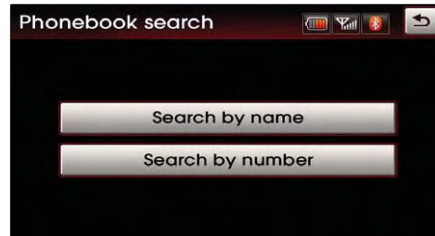
- 2 Press the **Search** button on the Contacts screen.



- 3 Phone numbers can be searched by either **Search by name** or **Search by number**.

From the two methods, select the search method you wish to use.

■ Searching by name



- 4 Press the **Search by name** button on the Phonebook search screen.

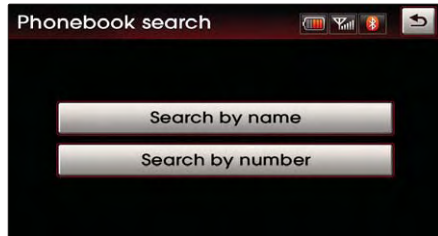


- 5 Input the name you wish to search and press the **Done** button.



- 6 The search results will be displayed on the screen.

■ Searching by number



- 4 Press the **Search by number** button on the Phonebook search screen.



- 5 Input the phone number you wish to search and press the **Done** button.




- 6 The search results will be displayed on the screen.

Call History List

Making a call from Call history



- 1 Press the **SEND** button on the PHONE screen or press the  key on the steering wheel.



- 2 The call history list will be displayed. Select the number you wish to call from the call history list and press the **SEND** button.



- 3 The call will be made to the selected number.

Sorting call history



- 1 The call history can be displayed by sorting the incoming calls, outgoing calls and missed calls.
- 2 When pressing the **Dialed**, **Received**, or **Missed** button, the corresponding call history list will be displayed.

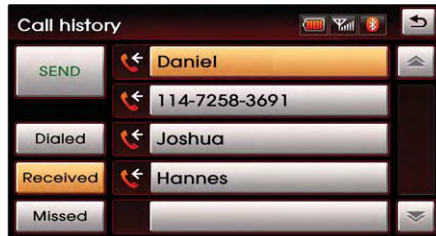
■ Dialed number



■ Missed number



■ Received number



i INFORMATION

If there are no entries saved in the **Dialed**, **Received**, or **Missed** lists, the corresponding button will be inactive. Up to 20 entries can be saved in each list.

Phone Music

Before playing Phone music

Music saved in the mobile phone can be played in the car through Bluetooth audio streaming.

Phone music can be played only when a Bluetooth phone has been connected. To play phone music, connect the Bluetooth phone to the car system. For more information on connecting Bluetooth, please refer to the user's manual [Pairing and Connecting a Bluetooth phone].

If the Bluetooth is disconnected while playing phone music, the music will be discontinued. The audio streaming function may not be supported in some mobile phones.

Only one function can be used at a time between the Bluetooth handsfree or Phone music function.

For example, if you convert to the Bluetooth handsfree while playing Phone music, the music will be discontinued.

Playing music from the car is not possible when there are no music files stored in the mobile phone.

Starting Phone Music



- 1 Repeatedly press the **CD/AUX** key on the front panel or the **MODE** key on the steering wheel to enter Phone music mode.

i INFORMATION

Each press of the **CD/AUX** key on the front panel will change the function in the order of DISC → USB or iPod → AUX → Phone Music → DISC.

Each press of the **MODE** key on the steering wheel will change the audio mode in the order of FM1 → FM2 → AM → SIRIUS1 → SIRIUS2 → SIRIUS3 → DISC → USB or iPod → AUX → Phone Music → FM1.

It is not possible to enter Phone music mode if the mobile phone is not connected or if the audio streaming setting within Bluetooth handsfree settings has been set to [Disable streaming audio].

For more information on audio streaming setting, please refer to the user's manual [Bluetooth settings > Setting Audio streaming].



② The Phone music screen is displayed.

i INFORMATION

While music saved in the mobile phone will automatically begin playing after converting to the Phone music screen, this music player function may not be supported in some mobile phones.

If music does not begin playing even after converting to the Phone music screen, try starting the music directly from the mobile phone.



Phone music screen layout



- ① Information Bar : displays information for the currently playing song.
- ② File Down button : plays the previous song.
- ③ Play/Pause button : Plays/pauses the song.
- ④ File Up button : plays the next song.

Selecting Phone music files



- 1 Press the ,  buttons on the Phone music screen or the **SEEK ^**, **TRACK V** keys on the system.

The previous or next song will be played each time the button or key is pressed.

INFORMATION

The file selection function may not be supported in some mobile phones.

Bluetooth settings

Pairing and connecting a mobile phone

For more information on pairing and connecting a mobile phone, please refer to [Pairing and Connecting a Bluetooth phone].

Setting mobile phone auto connect priority

i INFORMATION

After turning on the car ignition and the system is booted up, the Bluetooth connection between the car system and mobile phone is automatically made.

The Bluetooth connection will be conducted in the order of mobile phone priority.

The auto connect priority will be supported only for previously paired mobile phones.



① Press the **Settings** button on the PHONE screen.



② Press the **Priority** button on the Settings screen.



③ The paired mobile phone list and the mobile phone connection priority will be displayed.

When wishing to change the priority order, select the mobile phone from the list and use the **↑**, **↓** buttons to change its priority.

Press the **Done** button to save the changed mobile phone priority.

Setting Handsfree volume



- 1 Press the **Settings** button on the PHONE screen.



- 2 Press the **Volume** button on the Settings screen.

i INFORMATION

The Bluetooth handsfree volume can be adjusted only when a mobile phone has been connected.

The **Volume** cannot be set if no mobile phone has been connected.



- 3 Use the **<**, **>** buttons to set the desired volume on the Phone volume screen. Press the **Done** button to save.

i INFORMATION

While on a call, turning the **POWER** knob to the left/right or pressing the **^VOLV** key on the steering wheel will also adjust the call volume.

If the call volume is set too high, the loud incoming call bell may cause a traffic accident.

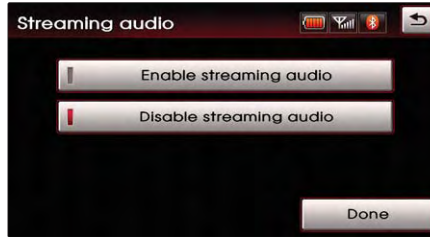
Setting Audio streaming



1 Press the **Settings** button on the PHONE screen.



2 Press the **Streaming audio** button on the Settings screen.



3 Streaming audio setting is selected.

i INFORMATION

Enable streaming audio: Repeatedly press the **CD/AUX** key or the **MODE** key to enter Phone music mode. Phone music can be played through Bluetooth audio streaming.

Disable streaming audio: Even if the **CD/AUX** key or the **MODE** key is repeatedly pressed, will not enter Phone music mode. Phone music through Bluetooth audio streaming is not supported.

Advanced settings

Bluetooth advanced settings can be changed. Enter advanced settings through the following way.



1 Press the **Settings** button on the PHONE screen.



2 Press the **Advanced setup** button on the Settings screen.

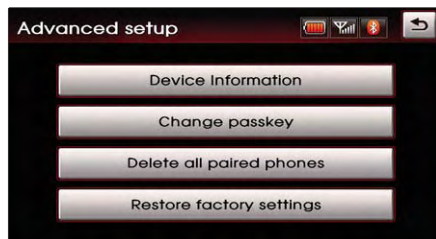
i INFORMATION

For safety reasons, operation of Advance setup is not possible when the vehicle is in motion. Please park in a safe place to make changes to Advanced setup.



③ The Advance setup screen will be displayed. In Advance setup, the following four settings can be made.

■ Searching and modifying my device properties



④ Press the **Device information** button on the Advance setup screen.



⑤ Displays the Device information such as the name and address of the car system. To modify the device name, press the **Change name** button.



⑥ Use the key pad to input the Device name you wish to modify.



⑦ After inputting is complete, press the **Done** button to save.

■ Changing passkey



4 Press the **Change passkey** button on the Advance setup screen.



5 Once the Change passkey screen is displayed, input the desired passkey and press the **Done** button.

i INFORMATION

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.

■ Deleting all paired phones



4 Press the **Delete all paired phones** button on the Advance setup screen.



5 A pop-up asking whether you wish to delete all paired phone will be displayed. Press the **Yes** button to delete all paired phones and the **No** button to cancel.



6 If **Yes** button is pressed, all currently paired phones will be deleted.

■ Initializing Bluetooth handsfree



- 4 Press the **Restore factory settings** button on the Advance setup screen.



- 5 A pop-up asking whether you wish to initialize the Bluetooth handsfree will be displayed. Press the **Yes** button to initialize the Bluetooth handsfree system and the **No** button to cancel.

i INFORMATION

Upon initializing the Bluetooth handsfree, the entire paired phone list will be deleted and all Bluetooth related settings will be restored to factory state.



- 6 If **Yes** is pressed, the Bluetooth handsfree settings will be initialized.

Important information

About pairing mobile phones

Q. I cannot search for mobile phones through the car system. What is the cause?

A. Check to see whether the mobile phone you wish to connect supports Bluetooth function. If your mobile phone supports Bluetooth, check to see that whether the Bluetooth settings in the mobile phone have been set to hidden state or if the Bluetooth power has been turned off. If the device has been set to hidden, release the hidden state and if the Bluetooth power has been turned off, turn the power ON and try searching again.

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

A. Through a two-way passkey between the car system and mobile phones, up to 5 mobile phones can be paired with the car system. The paired mobile phone will remain paired with the car system until the user deletes it manually.

In addition, the call history lists and phone number books saved in each mobile phone will also be maintained until the paired phone is deleted. For more information on pairing mobile phones, please refer to the manual [Pairing and Connecting a Bluetooth phone > Pairing a mobile phone].

Connect a mobile phone to Bluetooth by selecting the desired mobile phone from the paired phones. Within the car system, only one Bluetooth phone can be connected at one time. For more information, please refer to the manual [Pairing and Connecting a Bluetooth phone > Pairing a mobile phone].



Q. What is a Passkey?

A. A passkey is an authentication code used for two-way authentication of the car system and the mobile phone.



Only 4-digit numbers can be used as passkeys. Passkeys are registered only once when pairing the phone number for the first time. The factory-set passkey is 0000.

About making/answering phone calls

Q. How can I answer a call?

A. When you receive an incoming call, press the  key on the steering wheel or the **Accept** button on the PHONE screen to answer. To reject the incoming call, press the  key on the steering wheel or the **Reject** button on the PHONE screen.

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

A. To switch the call to the mobile phone, press the **Private** button on the PHONE screen or press and hold (over 0.8 second) the  key on the steering wheel. If you wish to switch the call back to the car handsfree, press the **Use handsfree** button on the PHONE screen or press and hold (over 0.8 second) the  key on the steering wheel.

About Bluetooth device environment

Q. What is the range for Bluetooth wireless connection?

A. The wireless connection range is within 10 meters.

Q. How many mobile phones can be paired?

A. It is possible to pair up to five phones with the car system.

Q. What is the reason why the call quality deteriorates?

A. First, check to see the signal strength of the mobile phone. The call quality may deteriorate when the signal strength is low. Call quality may also deteriorate if metal objects, such as drink cans, are placed near the mobile phone.

MEMO

PART 7
APPENDIX

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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 purchase or the nearest service center.

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	<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 video 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 set on mute?
When the power is turned on, the corners of the screen are dark	<ul style="list-style-type: none"> • 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 purchase or the nearest service center.
Sound is working from only one speaker	<ul style="list-style-type: none"> • Is the position of FAL/BAL sound controls or volume adjusted to only one 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?
The road is missing	Some map data may be missing or incorrect.
The road name is spoken incorrectly	The TTS(Text To Speech) engine speaks the street name based off of the phonetic spelling. This will continuously be update with the map database.

Troubleshooting

Problem	Possible Cause	Solution
The power does not turn on.	The fuse is disconnected.	Replace with a suitable fuse. If the fuse is disconnected again, please contact your point of purchase or service center.
	Device is not properly connected.	Check to see that the device has been properly connected.
XM only goes through one category	The XM mode is in category.	Press the mode button to change to channel mode.
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 purchase or service center.
	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 as a region code not supported by the device has been inserted.	The region code for the device is code "1". Use a DVD which has the region code of "1" 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 color 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.

PART 7 APPENDIX

Problem	Possible Cause	Solution
The sound does not work.	<ul style="list-style-type: none">• The volume level is set the lowest level.• The connector is not properly connected.• The device is currently fast-forwarding, rewinding, scanning, or playing in slow mode.	<ul style="list-style-type: none">• Adjust the volume level.• Check the connection state.• The sound will not work when the device is fast-forwarding, rewinding, scanning, or playing in slow mode.
The sound or video quality is low.	<ul style="list-style-type: none">• The DISC is dirty or scratched.• Vibration is occurring from the position in which the conversion switch has been installed.• The color and tone quality of the image is low.	<ul style="list-style-type: none">• Wipe off water or dirt from the DISC. Do not use a disc which has been scratched.• 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.• Aging of the video display and deterioration in performance may cause certain quality degradations.
Subtitles do not work.	<ul style="list-style-type: none">• Subtitles are not included in the current playing DVD.• The subtitle language has been set to "OFF".	<ul style="list-style-type: none">• The subtitles cannot be played.• Set the subtitle language on the desired language.
Subtitles do not turn off.	<ul style="list-style-type: none">• The DVD currently being played has disabled the hide subtitle function.	<ul style="list-style-type: none">• The subtitle cannot be turned off.
The sound or subtitle language does not change.	<ul style="list-style-type: none">• Only one language is included in the current playing DVD.• The current playing DVD only supports one language.	<ul style="list-style-type: none">• The language cannot be changed if the DISC does not support multi-languages.• The language cannot be changed.
The selected sound or subtitle language cannot be used.	<ul style="list-style-type: none">• A language which is not supported by the current playing DVD has been selected.	<ul style="list-style-type: none">• 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 current playing DVD has been selected.	An aspect ratio not supported by the DVD cannot be played.
The angle cannot be adjusted.	<ul style="list-style-type: none"> • The current playing DVD only supports one angle setting or only some of the DVD scenes support multi-angles. • The current playing DVD only supports one angle. 	<ul style="list-style-type: none"> • The angle cannot be changed if the DISC does not support multi-angles or when playing a scene with only one angle. • The angle cannot be changed.
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. • A 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 a standard USB Memory. • Use a 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.

DVD region code and language Code

Region code

Region Code	Countries
0	No Region Coding
1	United States of America, Canada
2	Europe, including France, Greece, Turkey, Egypt, Arabia, 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	Code	Country	Code	Country	Code	Country	Code	Country
0101	Afar	0315	Corsican	0625	Frisian	0923	Hebrew	1222	Latvian	1518	Oriya
0102	Abkhazian	0319	Czech	0701	Irish	1009	Yiddish	1307	Malagasy	1601	Punjabi
0106	Afrikaans	0325	Welsh	0704	Scots	1001	Japanese	1309	Maori	1612	Polish
0113	Amharic	0401	Danish	0712	Galleghan	1022	Javanese	1311	Macedonian	1619	Pushto
0118	Arabic	0405	German	0714	Guarani	1101	Georgian	1312	Malayalam	1620	Portuguese
0119	Assamese	0426	Bhutani	0721	Gujarati	1111	Kazakh	1314	Mongolian	1721	Quechua
0125	Aymara	0512	Greek	0801	Hausa	1112	Greenlandic	1315	Moldavian	1813	Romance
0126	Azerbaijani	0514	English	0809	Hindi	1113	Cambodian	1318	Marathi	1814	Kirundi
0201	Bashkir	0515	Esperanto	0818	Croatian	1114	Kannada	1319	Malay	1815	Romanian
0205	Belarusian	0519	Spanish	0821	Hungarian	1115	Korean	1320	Maltese	1821	Russian
0207	Bulgarian	0520	Estonian	0825	Armenian	1119	Kashmiri	1325	Burmese	1823	Kinyarwan
0208	Bihari	0521	Basque	0901	Interlingua	1121	Kurdish	1401	Nauru	1901	da Sanskrit
0209	Bislama	0601	Persian	0905	Interlingue	1125	Kirghiz	1405	Nepali	1904	Sindhi
0214	Bengali	0609	Finnish	0911	Inupiak	1201	Latin	1412	Dutch	1907	Sangho
0215	Tibetan	0610	Fijian	0914	Indonesian	1214	Lingala	1415	Norwegian	1908	Croatian
0218	Breton	0615	Faroese	0919	Icelandic	1215	Laotian	1503	Occitan	1909	Sinhalese
0301	Catalan	061	French	0920	Italian	1220	Lithuanian	1513	Oromo	1911	Slovak

PART 7 APPENDIX

Language code

Code	Country	Code	Country
1912	Slovenian	2012	Tagalog
1913	Samoaan	2014	Tswana
1914	Shona	2015	Tonga
1915	Somal	2018	Turkish
1917	Albanian	2019	Tsonga
1918	Serbian	2020	Tatar
1919	Swati	2023	Twi
1920	Sesotho	2111	Ukrainian
1921	Sundanese	2118	Urdu
1922	Swedish	2126	Uzbek
1923	Swahili	2209	Vietnamese
2001	Tamil	2215	Volapuk
2005	Telugu	2315	Wolo
2007	Tajik	2408	Xhosa
2008	Thai	2515	Yoruba
2009	Tigrinya	2608	Chinese
2011	Turkmen	2621	Zulu
















Map legend
















Road color	
Day Road Type	Color
Freeway	
Arterial	
County	
Collector	
Local	
Unpaved local	
Ferry	
Night Road Type	Color
Freeway	
Arterial	
County	
Collector	
Local	
Unpaved local	
Ferry	




POI icons

No	Category	Sub Category	Icon
1	Restaurants	Representation	
2		Fast Food	
3		American	
4		French	
5		Italian	
6		Continental	
7		Mexican	
8		Japanese	
9		Chinese	
10		Korean	
11		Vegetarian Food	
12		Seafood	
13		Latin American	
14		Asian	
15		African	

POI icons
















No	Category	Sub Category	Icon	
16	Restaurants	Coffee Shop		
17		Others		
18	Automotive	Representation		
19		Gas Station		
20		Parking		
21		Auto service		
22		Road Assistance		
23		Hyundai Dealership		
24		Kia Dealership		
25		Automobile Dealership		
26		Auto Parts		
27		Rest Area		
28		Car Wash		
29		Motorcycle Dealership		
30		Travel	Representation	
















No	Category	Sub Category	Icon	
31	Travel	Airport		
32		Hotel		
33		Tourist Information		
34		Travel Agent		
35		Tourist Attraction		
36		Popular Spot		
37		Rental Car Agency		
38		Campground		
39		Ferry Terminal		
40		Bus Station		
41		Local Transit		
42		Train Station		
43		Shopping	Representation	
44			Department Store	
45			Convenience Store	

No	Category	Sub Category	Icon	
46	Shopping	Shopping Center		
47		Music Store		
48		Grocery Store		
49		Bookstore		
50		Electronics		
51		Hardware Store		
52		Gifts		
53		Sporting Goods		
54		Home Specialty Store		
55		Clothing		
56		Shoe Store		
57		Recreation	Representation	
58			Amusement Park	
59			Museum	
60			Cinema	

PART 7 APPENDIX





POI icons

No	Category	Sub Category	Icon
61	Recreation	Sports Activities	
62		Sports Complex	
63		Golf Course	
64		Winery	
65		Video & Game Rental	
66		Ski Resort	
67		Recreation Area	
68		Other Recreation	
69	Financial Service	Representation	
70		Bank	
71		ATM	
72		Check Cashing Service	
73		Money Transfer	
74		Business Facility	
75	Community	Representation	

No	Category	Sub Category	Icon	
76	Community	Police Station		
77		Post Office		
78		Library		
79		Court House		
80		Fire Department		
81		Convention Center		
82		City Hall		
83		Civic Center		
84		School		
85		Government Offices		
86		Waste & Sanitary		
87		Utilities		
88		Service	Representation	
89			Hospital	
90	Dentist			

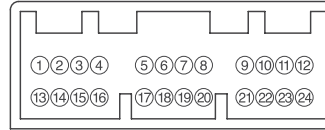
No	Category	Sub Category	Icon
91	Service	Photography	
92		Tax Service	
93		Medical Service	
94		Attorney	
95		Funeral Director	
96		Hair & Beauty	
97		Cleaning & Laundry	
98		Social Service	
99		Physician	
100		Communication	
101	Tailor & Alteration		
102	Mover		

Landmark icons

No	Category	Sub Category	Icon
1	Service	Airport	
2		Park	
3		Golf	
4		University	

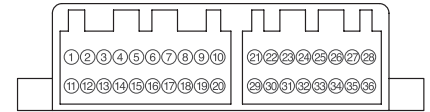
RSE Connector Pin Layout

Rear Monitor Connector Pin Layout



NO	Signal	NO	Signal
1	audio in R+	13	audio in R-
2	audio in L+	14	audio in L-
3	CAN_H	15	CAN_L
4	GND2	16	GND2
5	CVBS + in	17	CVBS GND
6	NC	18	NC
7	NC	19	NC
8	AutoLight	20	audio GND
9	ILL+	21	ILL-
10	ACC	22	Altnate
11	B+	23	GND
12	B+	24	GND

Rear DVD Player Connector Pin Layout



NO	Signal	NO	Signal
1	ATSC_L+	19	GND
2	ATSC_L-	20	Front out CVBS
3	front in L-	21	CVBS GND
4	front out R-	22	GND2
5	front out L-	23	CAN_H
6	Monitor out L-	24	GND
7	Monitor out R+	25	ACC
8	CVBS GND	26	ILL+
9	GND2	27	B+
10	CVBS GND	28	B+
11	front in R+	29	Monitor out CVBS
12	front in R-	30	GND2
13	front in L+	31	CAN_L
14	front out R+	32	ATSC_R+
15	front out L+	33	ATSC_R-
16	Monitor out L+	34	ILL-
17	Monitor out R-	35	GND
18	Front out CVBS	36	GND

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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

Any 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.

MS

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 likely to be contained in the map database for such 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 AS HOTLINE

M & SOFT AMERICA MAP CENTER

TEL : 888-757-0010

WEBSITE : www.mapnsoft.com

MEMO

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 limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum 20 cm between the radiator and your body. This transmitter must not be collocated or operating in conjunction with any other antenna or transmitter unless authorized to do so by the FCC.

IC Warning

Operation of this device 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.