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User's Manual

IN-DASH CAR MULTIMEDIA SYSTEM

NAVI.DVDRADIO.BLUETOOTH.IPOD.AUDIO .VIDEO
INTERNET. MP3/MP4.TV(Optional)



Contents















Notice	1		
Product Introduction	2		
Characteristics	2		
Elementary Operations	3		
Calibration	3		
Program Switch	3		
Functions and Applications	4		
Home Interface	4		
Navigator	5		
Music	6		
Radio	7		
DVD	11		
Bluetooth ·····	12		
LinkPod ·····	16		
Movie ·····	17		
Files	18		
Note ·····	20		
GO	20		
Internet			
TV	23		
AUX			
Options	25		
Remote Control	27		
Standard Accessories List			
Common Troubleshooting Guide	36		
Care and Maintenance	39		

Notice Product Introduction



Note

Please read the manual and other manuals included prior to using the device. It is important to be aware of the warnings for both safety and liability of the You and device. Please keep the manual with the device reach for reference anytime.

Only glance at the screen when necessary and safe to do so. If prolonged viewing of the screen is required, stop in a safe, legal manner and location. Set the volume to a level that you can hear the sound outside.

- Traffic safety comes first.
- If you meet any trouble when operating the system, please park your car in a safe place first before you proceed any operations.
- Children should not operate the device in case of any physical injury or damage to the device.
- This product is not a substitute for your personal judgment. Any route suggestions made by this navigation system should never hold greater value over any local traffic regulations or your personal judgment and/or knowledge of safe driving practices. Do not follow rout suggestions if the navigation system instructs you to perform an unsafe or illegal maneuver, places you in an unsafe situation, or routes you into an area which you consider unsafe.
- Do not use this device in places where electronics or fire is prohibited, such as gasoline stations.
- Do not attempt to install or repair the device. Installation and repair of device is dangerous and should not be attempted by anyone other than an authorized installation or repair center.
- Do not scratch the screen with sharp objects. Do not press against the screen with hard objects. Doing so will damage the screen display or touch screen.
- To ensure the device works normally and to prevent fire or electric shock, do not expose the device to extremely damp air or liquids of any kind.
- The device only supports the standard 12cm DVD/CD sized discs.Do not insert discs of other size or any or other objects into the device. This device only supports one disc at a time. Do not attempt to load more than one disc at any given time.

Important Hints and warnings:

Information with this symbol is important. Please pay special attention to notes with this symbol.



Product Introduction

Thank you for the purchase of this unit. This multimedia entertainment system integrates GPS navigation, audio and video entertainment, and mobile office applications like Bluetooth and Microsoft Office document reading capability.

Following a passion for the ultimate driving experience, this product is designed with the style and appearance of the original vehicle interior, while preserving an extensive list of features and customizations you would expect from the aftermarket. We hope you enjoy this GPS entertainment system, and all of the new features it brings.

Characteristics



- High definition 800 x 400 LCD touch screen.
- Navigation Map display with Intelligent Voice Guide, Route Plan, Advanced POI Management.
- Bluetooth hands-free ,phonebook transfer , A2DP function.
- MP3/MP4 player (MPEG1/2 , MPEG4 , WMV9) , photo album, notebook.
- DVD player, compatible with DVD, DVD-R/RW, DVD+R/RW, VCD, CD, CD-R/RW, MP3. (Optional)
- Radio AM/FM (Supports U.S., Asia pacific regions and European regions).
- iPod driver connectivity.
- Clock and calendar.
- Analog/Digital TV tuner.(Optional)
- Support car reverse rear video input.

Elementary Operations

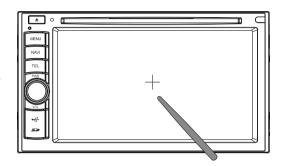
Functions and Applications

Start and shutdown of the system

Turn on ACC and press the power button, the system will start in about 10 seconds and display home interface. Press the power button while running to shut down the system.



If you find touch function doesn't work well, you can use calibration function to adjust the screen. Click "Options" in "Apps" interface to enter into system settings. Click "Calibration" under "System" tab to begin touch screen calibration.



Calibration method: The sign "+" would appear in the center, top left, top right, bottom left and bottom right of the screen successively. Click the center of "+" with the stylus. It will disappear automatically after calibration is finished. A prompt would appear on the interface: New calibration settings have been measured. Click any position on the screen and the system would return to the system settings interface.

Program switch



When the power is on and the device is running normally, users can switch programs optionally.

- Radio, movie, music and DVD cannot run at the same time.
- Radio, movie, music and DVD can respectively run at the same time with files, games and system settings.
- Movie, music, radio and DVD can respectively run at the same time with navigation.
- When navigation is running at the same time with DVD/AV/TV/Radio/MP3/MP4, if there is navigation prompt voice, DVD/AV/TV/Radio will become mute, MP3/MP4 will pause and the sound track will switch to the navigation prompt voice.
- When navigation is running at the same time with Bluetooth, if someone calls in, navigation prompt voice will become mute and only Bluetooth voice is reserved.

Notice:

Calibration

NOTE: Interfaces of products might be different. The interfaces in this manual are only for reference. Fluctuations are subject to real products.

Home Interface



Press"Menu"button on the panel or close windows in any mode to enter into the home interface. There are GPS Navigator, Music, DVD, Bluetooth and Menu in main menu. Click an icon to enter the corresponding program.



Menu

Click "Menu" in home interface to enter the function interface, where you can find "Movie", "LinkPod", "AV/TV", "Files", "Options", "files", "Audio" and so on. You can click icons to start corresponding programs. Click "Off LCD" to turn off the screen and click anywhere of the screen to turn it on again. Operation of turning on/off screen does not affect running programs.(Such as MP3, radio etc.)



Please remove the protective membrane before operation, or the touch experience might be affected.

Navigator Music

Navigator

Click "navigator" in the home interface to enter navigation map interface.

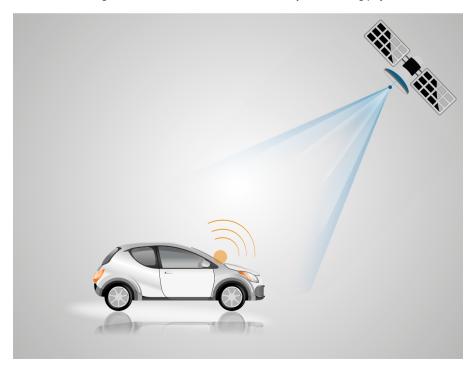


Notice:

The "Navione" folder in SD card is navigation program folder. Please do not delete any files in it in case of the malfunction of the navigation program. To change or set navigator path, please refer to Page 25.

Satellite signal reception

The system receives satellite signal automatically. Under usual circumstances, it takes several minutes to receive signal outdoors. The time is influenced by surrounding physical environment.



Music

Click "Music" in the home interface to open music player. You can also double click audio file in "Files" interface or click "Open Audio Files" after you select a song. The audio player interface is as below:



Built-in MP3 player, supports MP3、WMA and WAV format audio files. The information column shows the name, singer, playing rate and time duration of current songs. The player interface shows the format and its place in the playlist of the current songs. For example: Mp3,1/5.(see the picture above) The playlist shows songs of the current page. The songs being played is in highlight.



Click the menu icon in Mp3 player to show operation menu, in which you can choose different playing modes as "Scan", "Random", and "Repeat". Click "Save Playlist" to save the current playlist. Click "Clear List" to clear the songs in the play list without deleting the audio files in the folder. Click "Open Audio File" to view the audio files in the device, USB and SD card. Click one file or "All" then click "OK" to play.

Radio

Radio

Click the "Radio" icon in the main interface to enter Radio interface as showed in the following picture.



You can search radio station, adjust current radio frequency, save and rename radio station, etc. Moreover, it can display RDS information. When you open "Radio", the system will play the same radio station as the one being played last time when it is closed. System will update and save the station list automatically after auto-searching.



Fine adjustment or use OSD button

You can adjust the current frequency in a small range through fine adjustment.

Every time you press the fine adjustment icon or rotate the OSD button, the frequency will be changed in a certain rate.

In FM the frequency increases by 0.1MHz, while in AM it increases by 10KHz. The frequency will be saved automatically after fine adjustment.



Short press this icon to search a radio station while the radio is playing. Long press the blank block to save the radio station. Long press this button to search and save the radio station automatically. The radio station is named with frequency. The previous renamed radio station would be updated to after auto searching. The radio station can be also renamed by you as required.





Click"Options"in the Radio interface. Four options will appear: Rename Station, Delete, Delete All Stations and Local Setting.



Click "Rename Station" to set an easily remembered name for the current radio station. System would save it in the radio station list automatically after renaming. The renamed radio station would appear automatically next time when you turn on radio. Choose a station in the station list and click "Rename" then you will see the "Rename Station" interface as the following picture.



RDS RDS

Local Setting

Select the radio frequency channel standard by clicking "Local Setting"in Option interface.



Location	FM	AM
ASIA	87. 5~108. 0MHz (at 100KHz steps)	531~1620KHz (at 9KHz steps)
AMERICA	88. 1~107. 9MHz (at 200KHz steps)	530~1710KHz (at 10KHz steps)
EUROPE	87. 5~108. 0MHz (at 50KHz steps)	531~1620KHz(at 9KHz steps)



Notice:

Each time after changing the local setting, you should restart the Radio program, or it won't work.

RDS(Radio Data System)

The product supports radio data system and provides display and control information for 87.5~107.9FM radio stations to improve functions of FM receiver and make the FM radio station operations more friendly. There are three RDS control buttons in Radio interface ——AF,TA,PTY.

AF (Alternative Frequencies)

AF is to ensure that a car keeps receiving the same radio station signal when it moves from one area to another. What's more, it allows the radio to the strongest transmitting frequency of the same radio station at the same time.

Turn on "AF" after radio receives RDS radio station. Radio would switch to a same/similar RDS radio station automatically when the signal for the current RDS radio station weakens. Contrarily, radio would not switch if "AF" is off.



TA(Traffic Announcement)

- Turn on "TA" after radio receives RDS radio station. If the product is in other function modes, when RDS radio station sends emergency broadcast message, it will switch back to RDS state to announce the message. Contrarily, if "TA" is off, it only announces emergency broadcast in radio mode or it would not switch back to RDS state to announce message when the product is in other function modes.
- When you turn on "TA" function, the radio only receives RDS radio station which can play RDS emergency broadcast message when it is auto searching or semi-auto searching.



PTY(Program Type)

- Each RDS radio station owns a PTY property, which indicates the type of the current program. There are 32 PTY properties, including "None".
- Radio only receives RDS radio stations, with the selected program type when it is auto searching or semi-auto searching when PTY is on. Contrarily, it will receive other type of RDS radio station when "PTY" is off.



DVD DVD



DVD

Click "DVD" icon in main interface to enter into DVD interface. This system supports touch operations of DVD menus. Click any position on the screen in DVD interface and the operation icons will pop up.

Notice:

- Different discs may contain different audio and subtitle languages. The default language will be used if the language users select does not exit. Audio languages changed by DVD menu or AUDIO button are only effective for the current playing DVD. System default settings would be restored after changing discs.
- The detailed operation interface might be different from the picture because of the continuous upgrade of the system. Please refer to the actual object.



DVD button explanations.



Play/Pause Pause playing by clicking this button. DVD normal play would be restored by clicking this button again.



Enter next chapter/track/scene by clicking the button.



Enter previous chapter/track/scene by clicking the button.



Fast backward Fast backward by clicking the button continuously at X2、X4、X8 and X16 times while playing. The unit will turn mute while fast backwarding when playing DVD but not when playing CD/MP3. Click "play" to return to normal play when fast backwarding.



Fast forward Fast forward by clicking the button continuously at X2、X4、X8 and X16 times while playing. The unit will turn mute while fast forwarding when playing DVD butl not when playing CD/MP3. Click "play" to return to normal play when fast backwarding.

REPEAT Click "REPEAT" to switch to repeat play mode while playing CD/DVD.

Enter DVD system settings interface by clicking this button while playing DVD. There are four setting options including general, video and other, DVD menu language can be changed in general setting.

> While playing CD discs, click this icon to display the current audio output method. While playing DVD discs, if it contains more than one languages, click this icon to switch between them. (Different disc has different audio information, please refer to the actual operations.)

Click this icon to switch between different sub-title languages SUB-T SUB-T supported by disc. (Different disc sub-titles have different sub-title information, please refer to the actual operations.)

Click this icon to display the title information of the current disc being TITLE played.

> Click this icon to display playtime, title, remaining time, chapter time and chapter remaining time, etc when it is playing DVD disc which can support displaying disc information. Click again to exit.

Click this icon to display DVD root menu. Users can select or play

MENU a certain chapter in this menu.

Bluetooth



Bluetooth is a short-range wireless radio communication technology for the mobile device, the Bluetooth devices can be connected without cables to our multimedia and communicate with each other. Enter Bluetooth interface by clicking "Bluetooth" as showed in the picture.



Match Bluetooth device

Make pairing between Bluetooth device and the units before using vehicle mounted Bluetooth telephone. Operations must be done according to the following steps when connecting a Bluetooth device to the units for the first time:

- Set mobile phone connections:
- Open mobile phone settings menu
- Open the mobile phone Bluetooth settings and turn on Bluetooth.
- Search for device and connect(The general Bluetooth name of our product is Bluetooth, and notice that the effective communication distance is within 10m)
- Enter product Bluetooth password(The initial password is1234)to complete pairing.



Notice:

- If your Bluetooth mobile phone has been paired with the product before, system would connect your mobile phone automatically next time you turn on Bluetooth on your phone.
- If your mobile phone is already in the Bluetooth device list, you can select your phone directly and click "Connect" to build connection.

Disconnect Bluetooth

Click "Bluetooth" in the Menu, then choose the device that you want to disconnect, click "Disconnect".











Dial and Answer Phone Calls

Please confirm that your mobile phone is successfully connected with the product before dialing and answering calls. Use the digit keyboard in Bluetooth interface to input the number. Click "answer" icon to answer a call. Click "drop" icon to end a call.

Phonebook Sync

Click "Update Phone Book" in the contacts interface to download the phonebook in your phone. You can search the number and add contacts by yourself.





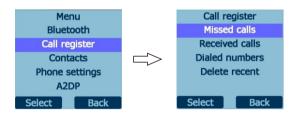


Bluetooth/Menu

LinkPod

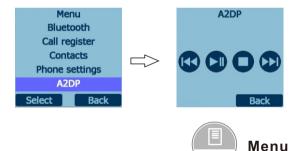
Call history synchronization

The unit supports call history synchronization. The mobile phone history would be synchronized into the product after successful Bluetooth connection. You can click "Call register" to check you missed, daited mumers and delete recent history.



A2DP

Enter mobile phone audio interface by clicking "A2DP"on Bluetooth menu interface. You can control the mobile phone music including play/pause, stop, previous and next. (Notice: Mobile phone must support A2DP function.)



Enter Apps interface by clicking "MENU" in main interface. As showed in the picture, there are Movie, LinkPod, AV/TV, Files, Note, Tractor, AUX and Options. You can enter corresponding program by clicking corresponding icons. Click "OFF LCD" to turn off the display. Touch any position on the screen to activate the display. "OFF LCD" does not affect any running programes.



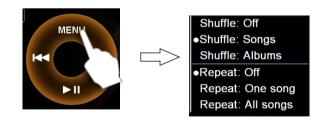
LinkPod

The device supports iPod connection. After connection iPod and the product with cable, click "LinkPod" to enter control interface. The special information displayed on LinkPod interface includes Playlist, Artist, Album, Genre, Songs, length and play time. You can control the play of their iPod songs through this interface.



Setting

You can click "MENU" to choose favorite play mode.



Movie



Movie

Click "Movie" icon to enter video play interface. Start player by double clicking movie files or click "Play" after selecting movie file. You can also click "Files" and select your movie file under "Movies" tag.

supported video formats: MPEG1/2、MPEG 4、WMV,etc.



Video player interface is as below.



- The video information displayed on the player includes name, format, file length and current play time of the current video file. You can pause/play/close the video file at any time. You can also drag the time axis to select play time point.
- Switch between previous and next video files if several files are selected. It will play
 from the top again, if only one video is selected.



Files

- Open File browser by clicking "Files". You can also open it by clicking "Music" or "Movie" icon.
- Different types of files are displayed under different tabs. You can open/copy/paste/delete the selected files. Files in different devices can also be browsed by clicking "Local" "USB" or "SD".

Audio/Video

Check audio/video files in local, USB or SD card by clicking "Audio" or "Video"



Photo

Check, delete or modify image files in local, USB, or SD card by clicking "Photo". Image formats Bmp, Jpeg, Gif, PNG are supported. Double click to browse image.



Files Note

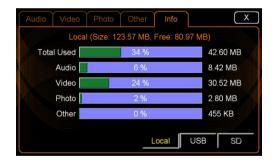
Other

Check, delete or modify office or application files in local, USB or SD Card by clicking "Other". Application programs which are compatible with Windows CE system are executable. Supported file formats: exe, doc, pdf, xls, ppt, txt.



Info

You can check the storage information in local, USB or SD card by clicking "Info".



Storage information displayed includes:

- a.)Total storage memory capacity of NAND Flash.
- b.) Memory capacity occupied by current file and the remaining memory capacity.
- c.)Respective memory capacity of music, movie, image, and other files.
- d.)Respective percentage in total memory capacity occupied by music, movie, image, and other files.



Note

Click "Note" icon or double-click txt files in file browser to open note. You can click 'Input-M' to open the small keyboard and use it to input text to record daily events. The editing time will be saved automatically. Click'Clear'to remove records. Click "Previous" and "Next" to view records. When Note is closed, it will save the record automatically.

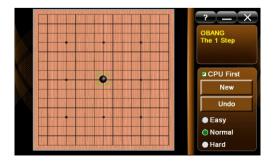




Go

In menu, click the game icon to enter corresponding game interface. (Different games are provided in different models. The example here is only for reference.)

"Go"game provides you with three difficulty levels: high, middle and low level. Black and white pieces are located properly, and the winner is the first to complete a horizontal or vertical or diagonal line of five adjacent pieces with same color. Click "undo" to cancel your previous step, and click "New" to restart the game.



Internet (optional)

Internet (optional)



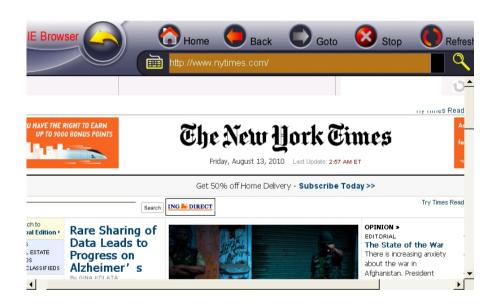
(Some models don't have this function. Please refer to the actual product.)

Insert SIM card(WCDMA)into the appendant 3G adapter. Click "Internet" icon to open IE Browser after the adapter is connected with the product.









TV

(Some models don't have this function. Please refer to the actual product.)

The product supports built-in analog/digital TV and many other external analog/digital TV boxes. Please refer the instructions from the corresponding TV box directions.





(Some models don't have this function. Please refer to the actual product.)

Enter AUX interface by clicking "AUX" in Apps interface after connecting AUX equipment. Adjust volume through OSD button in AUX interface. The music files operations are controlled by the AUX equipment.





Options Options

Click"Options" in the "Menu" interface to enter into option, where you can set time/date, select display interface language, and adjust touch calibration.

Date/Time

In"date/time" interface, you can select time zone, set date and time. Press "Apply" to confirm your setting.



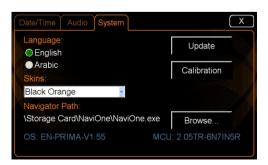
Audio

In "Audio" interface, you can adjust the Bass, Middle, treble and loudness level of the sound and you can click "Front" "Rear" "L" "R" to balance front, back, left and right soundtrack.



System

The system supports multiple graphs. You can download map program in SD card. Click "browse" to select the map program and click "Ok" to revise navigation path.



AV (AV/TV in some models.)

External video player can be synchronized with the device through video input wire (V-IN, L-IN,R-IN) of the device.

Back Reverse

This product supports back reverse image input. Please install the back reverse camera under the guidance of professionals. The product will switch to back vision made compulsorily regardless of the current modes when the car is put into reverse. Images input by the back vision camera would be displayed on the screen, which makes your driving more convenient and safer.

Hand Brake

The video play function for DVD/TV/AV is limited while driving. You can only hear sound and the screen only shows "ENJOY MUSIC WHILE DRIVING". These functions will turn to normal use when you draw back the hand brake.



Steering Wheel Control (Some models don't have this function. Please refer to the actual product.)

The product supports steering wheel control. Please set this function under the guidance of professionals. You can control some functions of the product through the buttons on the wheel while driving.



Remote Control

Remote Control

This product supports appendant remote control which can control part of corresponding functions.

Conditions of usage

Ambient temperature: -10 -45 $^{\circ}$ C

Relative humidity: <80%

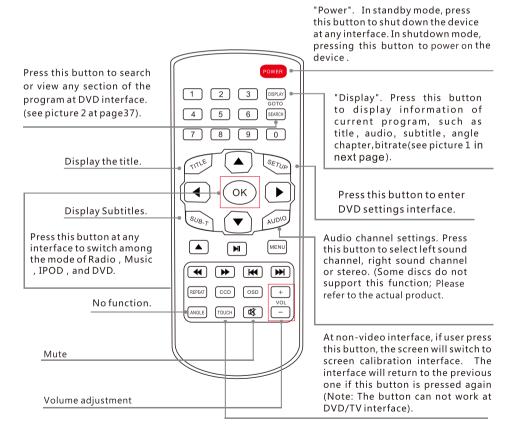
Atmospheric pressure: 86-106Kpa

Operating distance: <8M Directivity angle: ± 15 °

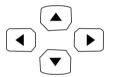


Remote Control

Functions of each button:







"Direction":

Press these buttons to control direction at DVD interface.



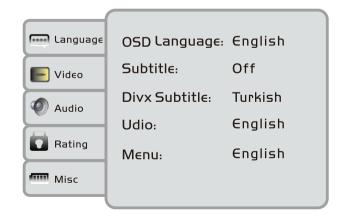
"0-9":

Press these buttons to select chapter and time.



"Setup":

Press this button to enter DVD settings interface.





"Out/into drive":

When disc is in CD / DVD ROM drive, press this button at any interface to take out the disc. DVD interface will be shown up after disc goes into the drive.

■ "Pause / Play":

At DVD. Music interface, press pause / stop button to pause or stop the current program. This button is also effective when the system is playing in the backgruond.

★ | ***** | "FF.REW":

At DVD interface, press these buttons to choose to fast forward orbackward.

₩ ₩ "Last/next":

At DVD, Radio or Music interface, press this button to switch between songs (channels).

"Repeat":

At DVD interface, press this button to select the repeat mode.including "repeat off", "repeat chapter" and "repeat disc".

"CCD Camera":

Press this button at any interface to switch to CCD interface. Press again to return to the previous interface.

"OSD Adjustment":

It has the same function with OSD knob. Press this button in DVD interface to adjust brightness, contrast, saturation, amplifier selection and other related functions.

1

Note:

The following keys can also work at Music/Radio/Movie/Ipod interface besides DVD interface.



Operation cautions of remote control:

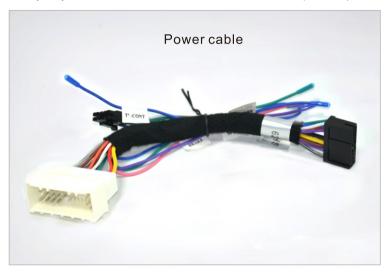
- Please pull out the PVC insulation when using the remote control for the first time.
- Please take out the button battery if you do not use the remote control for a long time.
- The button battery's service life in the remote control is about one year; If the keys can't function, please replace the battery in time.

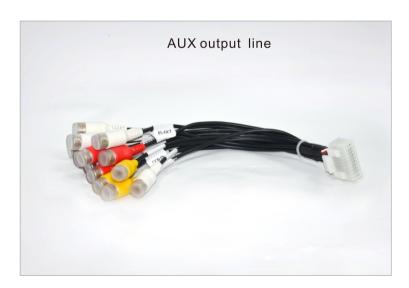
REPEAT



Note:

(Accessories may vary in different models. Please refer to the actual product.)

















Optional Accessories List

Common troubleshooting guide







If you meet the following problems in usage, troubleshooting guide will help you solve the problem quickly. If the problems are still not solved, please consult professionals or sales office. Non-professionals are not suggested to disassemble the device.

Problems	Reasons	Countermeasures	
Startup failure	Car key is not inserted or not switched on	Insert car key properly and switch on.	
	Power cable is not connected properly	Re-plug the power cable.	
	The fuse may be burned.	Replace fuse with same rated current.	
Touch screen inaccuracy	Re-calibrate the touch screen according to touch screen calibration steps through "Options" - " System" in Apps.		
Touch screen does not work	The system is processing some programs.	Wait a moment, if it still has no reaction after a long time. Please contact with our after-sales engineers for help.	
DVD Discs playing failure	Disc is inserted in a wrong way.	Correct direction of the disc, and insert it into the drive with disc face down.	
	Disc is scratched or deformed.	Change a good disc.	
	The disc can not be played by our product	Check the type of the disc. Put into playable disc.	
DVD disc menu can not function	Disc may not be genuine.	Please use the genuine disc.	

Common troubleshooting guide

Common troubleshooting guide

Problem	Reasons	Countermeasures
The screen is black with no images or monochrome when playing DVD.	Brightness, contrast or color saturation is not adjusted properly	Readjust the brightness, contrast, color saturation to ideal state for watching
CCD Camera shows no image.	Camera is not installed.	Install camera and connect CCD cable.
	Wrong camera video format.	Replace it with format- matched camera.
System is not powered on, but there is a rear view image on the screen and no reaction of any buttons when you reverse the car.	Product design for the sake of driving safety .	Only after stopping the reversing, users can start the device by pressing the power button of the car
	GPS antenna is not connected.	Connect GPS antenna.
GPS fails to locate the current position.	The car is in a signal shield area.	Try to drive for a while, and observe if GPS signal is restored. If it still can not be solved. Please contactour after-sales department for help.
Fail to navigate after startup.	The car is in a blind spot of navigation map. Some remotemountain roads and certain areas have not been established in the map.	Please contact the map provider for an upgrade.

Problem	Reasons	Countermeasures	
Navigation program does not select the shortest way.	When searching paths, Navigation program will take many factors into account, not just distance, but road level, traffic rules, viaducts, main roads, etc. In short, it will help you reach the destination within shortest time.		
Blank on the map.	Navigation may be set with too large or too small proportional size. Loss of map data.	Try to change the ratio to see if it can return to the map display. Check of the map contains data of this areas.	

Care and Maintenance

Car entertainment navigation system is a product with delicate design and craftsmanship and should be used with care. The following suggestions will help you fulfill warranty obligations in warranty clause, and extend the life span of the device.

- Please keep all parts and accessories of the device out of children's reach.
- Please keep the device dry. Rain humidity and all types of liquids or moisture which may contain minerals will corrode electronic circuits. If the device is exposed to water or dip in water, its components will be damaged and it will lead to irreparable damage.
- Do not use or store the device in the place with dirt or dust, which may damage the removable components.
- Do not expose the device in high temperature, which will shorten the service life of electronic parts, damage batteries, and deform plastics.
- Do not expose the device in low temperature. When the temperature of the device rises or returns to normal level, moisture can be formed inside which will damage the PCB board.
- Do not drop, knock or shake the device. The device will be damaged under rough treatment.
- Do not attempt to disassemble the device. Non-professionals may damage the device.
- Do not use harsh chemicals, cleaning solvents or strong detergents to clean the device.
- When using or storing the device, please put it away from electromagnetic and radioactive.
- The LCD screen is very easy to be scratched. Please use the stylus pen to operate and do not use sharp objects to avoid damage to screen.