KW_GM7001

Preface

Thanks for purchasing our GPS navigator!

As integrated high-performance reception chip and high-sensitivity antenna, this product is turned out to be a formidable GPS navigator! No matter you are in a business trip or traveling around, no matter you are climbing mountains or undergoing an adventure in the wild, this product is definitely your best companion, providing information for you to know where you are at any time and facilitating your outing. Besides what is mentioned above, the product is also capable of playing back music and video, browsing images and reading E-book as well as other functions etc. to meet your various entertainment requirements.

So that to guide you through the operation of GPS navigator, a well-prepared user's manual containing details about usage and product introduction etc. is provided together. Before getting started, please read through the user's manual carefully.

Although the extra discretion and prudence is always given along the process of user's manual preparation, with a view of providing all necessary educational information concerning this product, mistakes and omission seem to be unavoidable. Therefore, your understanding is appreciated and your comments and correction always welcome.

It is suggested to back up data on the SD/MMC Storage Card into your computer. We shall not be held responsible for any direct or indirect data loss or damages due to incorrect operation of software and hardware, product reparation, battery replacement or other unexpected situations. As the contingent misunderstanding of this product manual by the users is out of our control, we shall not take any responsibility for any accidental damage or loss or claim by the third party.

FCC Statement

1. 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.

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

Federal Communications Commission (FCC) Statement

This equipment has been tested. And it found to comply with the limits for a Class B digital device pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates and uses and radiates radio frequency energy and, if not installed and used in accordance with the instruction, 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.

Warning: A shielded-type power cord is required in order to meet FCC emission limits and also to prevent interference to the nearby radio and television reception. It is essential that only the supplied power cord be used.

Information contained in this manual is only for reference. Any information concerning this product is subject to updating due to our continuous product research and development from time to time without prior notification.

Cautions

1. One should not carry out any operation which could impair safety while driving or cycling.
2. As for the operation of this product in the aircraft, please consult the aviation company first of all. Special care should be taken when an electronics device is engaged during a flight.
3. Never get closer to a place emitting intensive radio waves or radiation which could affect the operation of this product.
4. Never make the navigator fall down or clash with stiff objects to protect it against any damage in appearance, battery loose, data lose or other hardware mutilation.
5. Never let this product expose to the humid environment or rain as the water leaked into could disable it to the extent beyond reparation.
6. Never switch on this product in the dusty environment.
7. Over-voltage, power cable strain, bending or squeezing by heavy objects is not allowed to avoid overheating or fire disaster.
8. Never deploy any chemical or detergent to clean up the navigator to prevent erosion of the surface or paintwork.
9. In order to eliminate the risk of electric shock, do not touch the cable power plug with wet hands and do plunge it into the socket completely.
10. Never charge the battery in a neither extreme cold nor hot place, which could damage the battery.
11. Keep this product which is being charged out of the reach of children.
12. Never put it under the direct baking sunshine or place it in a place with high temperature to avoid the problem of over-heat to the battery or this product, which could trigger fault or danger.
13. Put this product on an even workbench instead of blanket, pillow or carpet which could build up the heat to a level so high to bring forth damage.
14. When any sort of fault comes into being, please contract with qualified maintenance personnel for service rather than disassemble it at your own discretion.
15. Keep all the wires in neat order to prevent damage-fostering tangling.
16. Never suppress the LCD screen violently. Never bring it to the open glaring sunshine, which could damage this product. Please wipe the screen surface clean with soft cloth.
17. Never cut off the power directly in the mode of navigation, music, video and image browse, which could lose data.
18. When the system is reading data from or writing date into the memory card, never take out the card directly which could make the information stored in the memory card corrupted or lost or even crash the system.
19. In the process of formatting, upload or download, never disconnect the power supply abruptly. Otherwise, it could lead to a problem of application error.
20. Pay attention to the compatibility of multimedia files and the product can only play back the files in the stipulated formats.
21. All the TV programs, music, movies and images are under the protection of copyright. Unauthorized usage is deemed as an infringement to the laws of copyright.

22. For the sake of data safety, please back up the data on the SD/MMC card into the computer on a regular basis.

23. Do not adjust the volume of speaker to maximum for a long time. Otherwise, it will cause audio distortion.

24. The pictures presented in this manual are only for reference

3. GPS Packing List

Components	Quantity
GPS Navigator	1
SD Card	1
Handwriting Pen	1
Charger(Option)	1
Onboard Charger	1
Onboard Holder	1
Earphone(Option)	1
USB Cable	1
User's Manual	1
CDROM	1
Warranty Card	1
AV-IN Cable	1
TMC Module(Option)	1

4 Product Description

- 7-Inch TFT High Brightness Display Screen at 480*234
- Double Channel Earpieces Jack, 2W Built-in Hi-Fi Speaker
- Button + Touch Panel Operation
- Built-in High Sensitive SiRF START III GPS Reception Module
- Built-in GPS receiving antenna, which compound outer antenna to use TMC(Options).
- Software and Data Storage SD/MMC Card
- Music Playback in the Format of MP3, WAV and MIDI etc.
- Video Playback in the Compatible Format such as ASF, AVI, MP4 and WMV
- Image Browse in the Format of BMP, JPG, PNG and GIF etc.
- FM Transmit Function(Options).
- Bluetooth Hand-free Function
- Video Signal Input to Realize the Function of Reversing Rear Mirror
- Built-in 7.4V Lithium Battery charged through an external DC 12V adaptor hooking up with the automobile cigarette lighter.

5 Product Specifications

Environment Parameters	
Size	210mm(L)*110mm（W）*28mm（H）
Working Temperature	-10℃ ～+60℃
Storage Temperature	-20℃ ～+70℃
Working Humidity	45%～80%RH
Storage Humidity	30%～90%RH

System Parameters	
Main Frequency	400MHZ
Main Chip Type	SAMSUNG S3C2440A-40
Memory	64MB-1G(option)
Expansion Card	128MB~4GB
Navigation Software Storage Medium	SD card
Operating System	WINCE 4.2 NET
Software Compilation Method	ARMV4I
Navigation Software	Supply by third part

Basic Parameters	
Video Input Type	CVBS
Video Input Power	No
Screen Dimensions	7
Resolution	480*234
Audio Output	Double Channel CD Sound Quality
Audio Power	Double Channel for Earpieces 0.25W/CHANEL, Double Channel 8Ω/2W
Average Power	7.2W
Standby Power	<24mW
Battery Type	Build-in Rechargeable 7.4V Lithium Battery 1100mAH
Battery Life	2 Hours for Normal Use and Around 200 Hours in Standby Mode

GPS Hardware Parameters	
Chip Set	SiRF Star III
Frequency	1.575GHZ
C/A CODE	1.023 MHZ chip rate
Channel Number	20 Channels
Tracking Sensitivity	-159dBm

Positioning Sensitivity	10m, 2D RMS 5m, 2D RMS, WAAS enable
Speed Rate	0.1m/s
Data Update Rate	1HZ
Recapture Time	0.1s on Average
Hot Startup Time	Less than 3s
Warm Startup Time	38s on Average
Cold Startup Time	Less than 100 s
Maximum Positioning Height	18,000m
Maximum Speed Rate	515m/s
Acceleration	< 4g
Build-in Antenna Type	Build-in Active Ceramic Antenna
Build-in Antenna Gain	27dB
Build-in Antenna Voltage	3.3V±5%
Build-in Antenna Current	15mA

Bluetooth Handfree Parameters(optional)	
Maximum Distance	10m
Communication Type	V1.2
Handfree Type	Full Duplex Transmission
Chip Set	CSR BLUECORE3

TMC parameter(optional)	
Signal frequency	87.5-108.mhz
Signal received mode	RDS
Interface	USB
Chip team	RoyalTek TMC protocol 1.0

FM Transmit (optional)	
Transmit frequency	88.1 MHZ～91.9MHZ (200kHz step)
Transmit distance	2~3 M

6 、 Function Button & Connector Definition

Symbol	Description	Symbol	Description
A	SD Card Slot	G	Stereo Earpieces Jack
B	External Antenna Jack	H	DC Socket
C	"Power" Button	I	Speaker
D	7-inch screen	J	Touch Pen
E	Mini USB Port	K	Built-in Antenna
F	AV-IN	L	System Reset Hold
M	Mic Jack	N	External Antenna

Keys

◆ Keep press "POWER" for 3 seconds to turn on or off the navigator; press "POWER" for a short time to enter into or wake up from the "SLEEP" status.

◆ Press "RESET" to restart the system;

7.Operation Instructions

7.1Turn-on/Turn-off

Hold the button "Power" for at least 3 seconds till the indicator turns on and the LOGO of the

company as well as the startup schematic progress bar appear on the LCD screen as shown in the following picture.
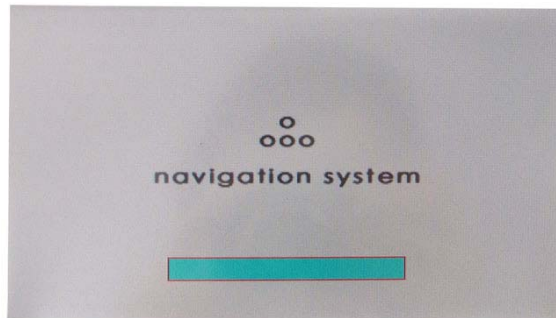
After startup, press the button "Power" to enter the power-saving mode

Then press the same button again, the normal operation mode resumes within 1 second. Hold the button "Power" for more than 3 seconds when the power is on, the system shuts down and the indictor goes off simultaneously as shown in the following picture.

Plunge the output connector from the Automobile Cigarette Lighter (or other 12V DC adapter) into the DC jack and the navigator displays the LOGO and startup schematic progress bar. After 6 seconds, the system logs into the programs as shown in the following picture:
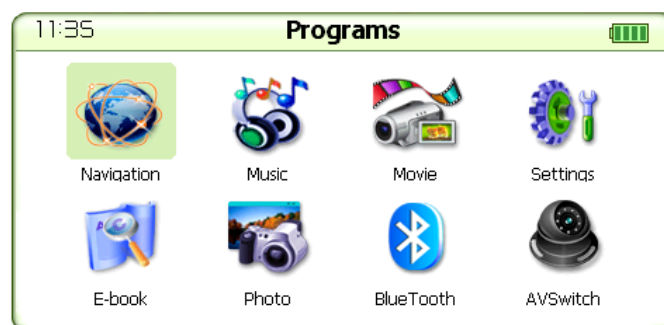
7. 1   **Music Player Interface Operation：**

◆ In the programs interface as shown in the following picture:
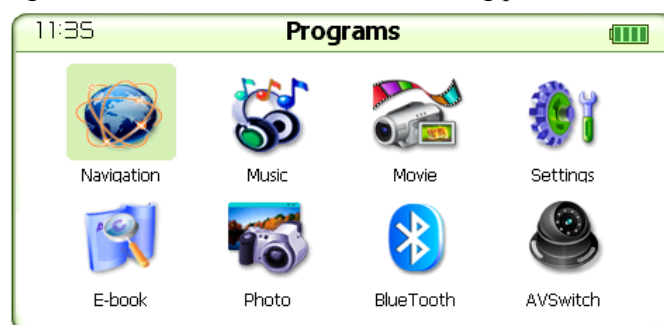
click the icon ___ to log into the main interface of Music Player as shown in the following picture.
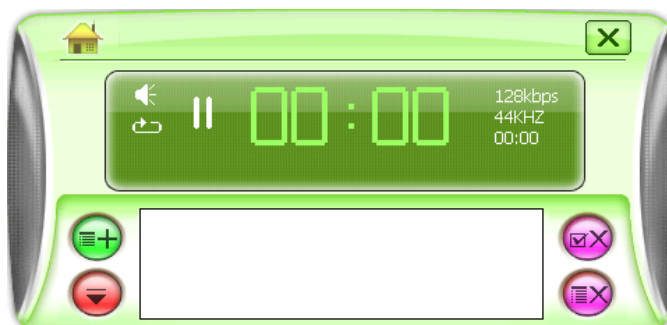
When the controller is no file, and the following picture pop up:

Click the icon ___ to select the storage directory of audio files as shown in the following picture.

Select audio file to be played back and then click the icon or double-click the file to return to the interface of Music Player as shown in the following picture.
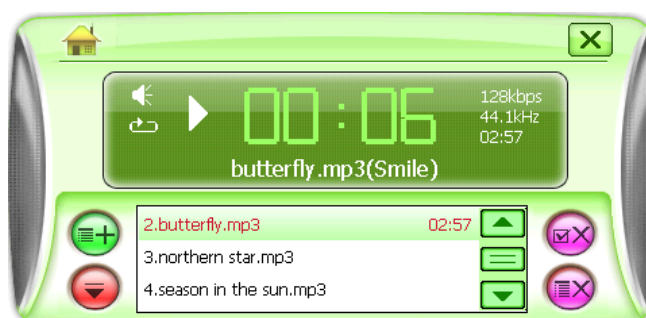
Click the icon to select all the files as shown in the following picture.
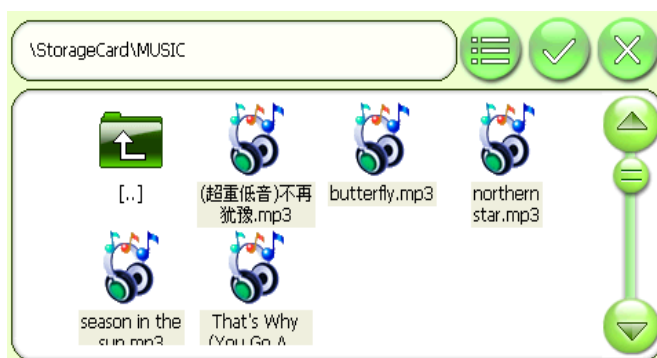
Click the icon to return to the interface of Music Player.
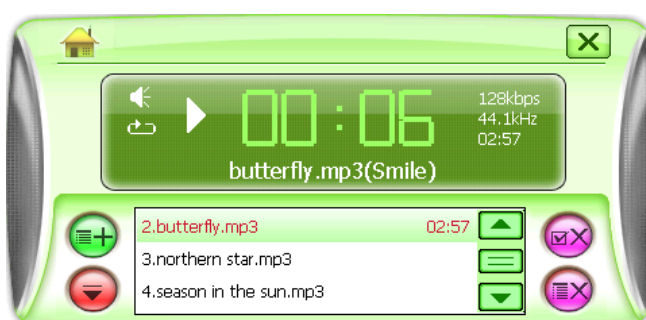
Click the icon to add more audio files and the icon to return to the interface of Music Player.
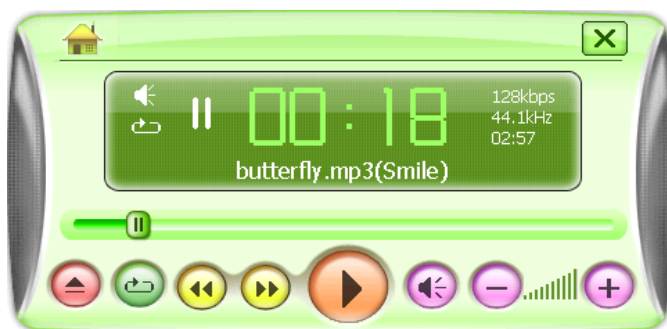
Click the icon or double-click the file to start playback.

Function Description for other Icons

Click the icon to pause

Click the icon to select next track.

Click the icon to select previous track.

Click the icon to repeat.

Click the icon to play at random.

Click the icon to enable the speaker operate normally.

Click the icon to silence the speaker.

Click the icon to delete selected files.

Click the icon to delete all files.

Click the icon to quit the interface of Music Player

Click the icon to log into the background play

Click the icon to adjust volume and the icon or the "Playback Progress Bar" to set up the speed of playback.

Note: When insert earphone in GPS navigator to listen music, the speaker output will be closed automatically.

7.2   Video Player Interface Operation

◆   As for the interface of Programs, please refer to the following picture.
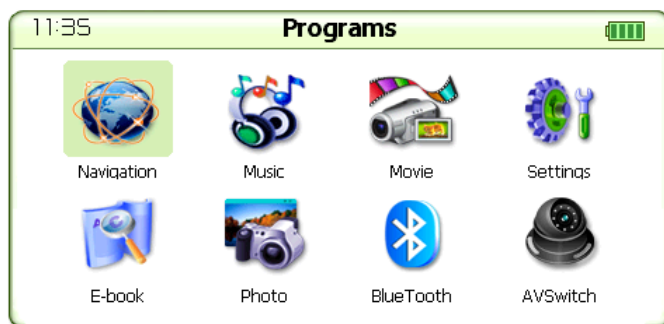
Click the icon to log into the main interface of Video Player as shown in the following picture.
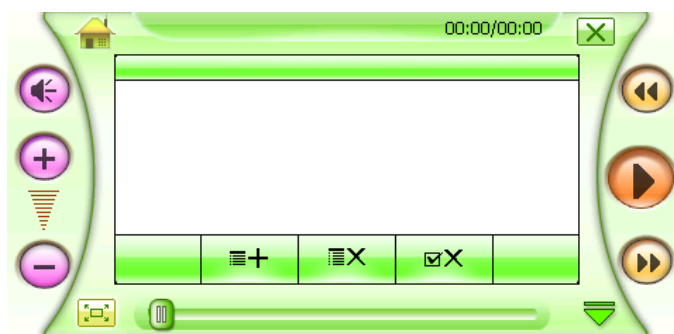
When the controller is no video file, the machine will come out the below interface:

Click the icon to select the storage directory of video files and log into the following interface.
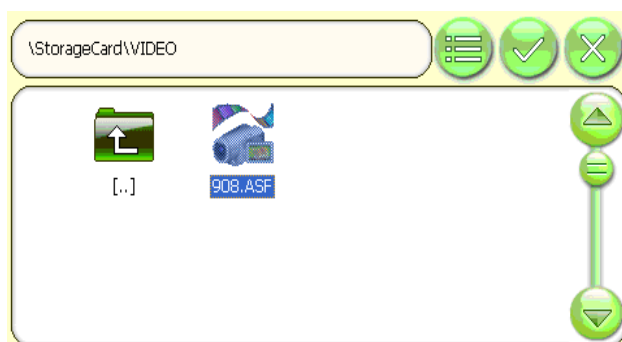
Select the desired video file and click the icon or double-click the file to play back the

selected video files as shown in the following picture.
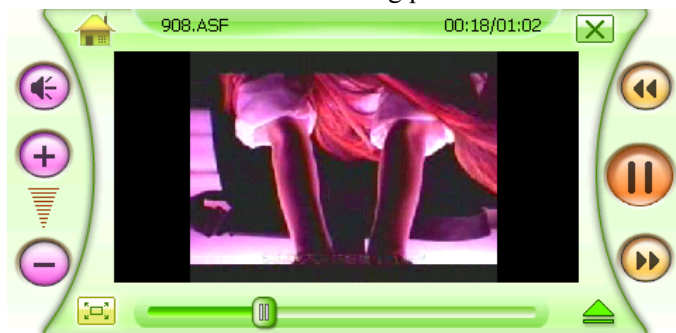
Or click the icon to select all the files as shown below:
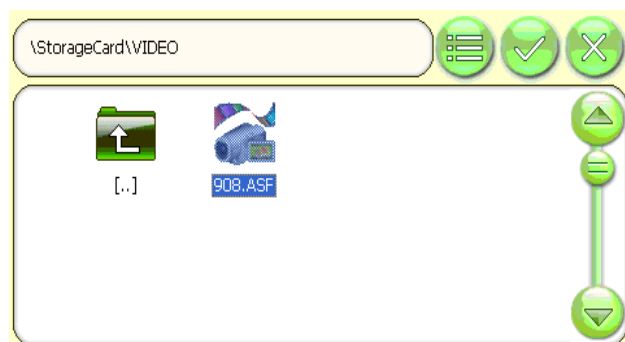
Click the icon to return to the interface of Video Player.
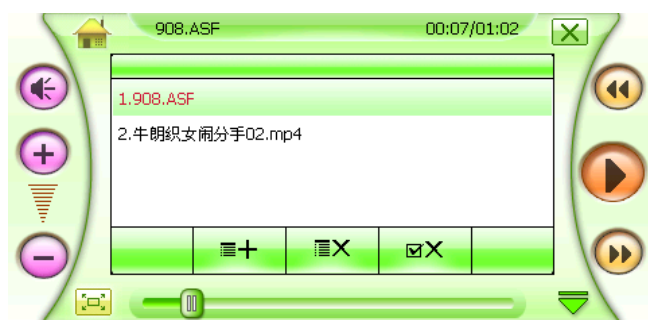
Click the icon to add more video files and then the icon to return to the interface of Video Player.

Click the icon or double-click the file to start playback as shown below.
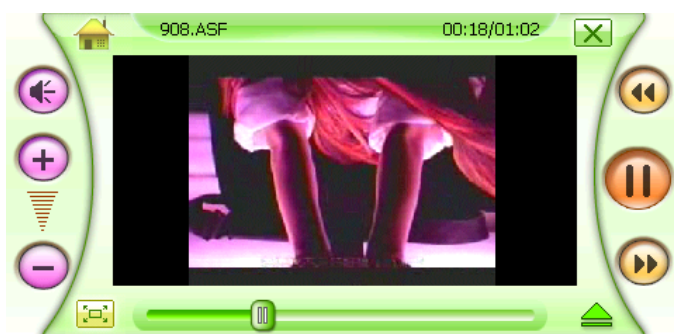
Click the icon [icon] to enlarge the screen to the full size as shown below:

Function Description for other Icons

Click the icon [icon] to silence the speaker.

Click the icon [icon] to enable the speaker operate normally.

Click the icon [icon] to select next video file.

Click the icon [icon] to select previous video file.

Click the icon ☑X to delete selected files.

Click the icon ☰X to delete all files.

Click the icon [X] to quit the interface of Video Player

Click the icon [icon] to adjust volume and the "Playback Progress Bar" to set up the speed of playback.

7.3   **E-book Reader Interface Operation Description：**

◆   In the interface of Programs as shown in the following picture:
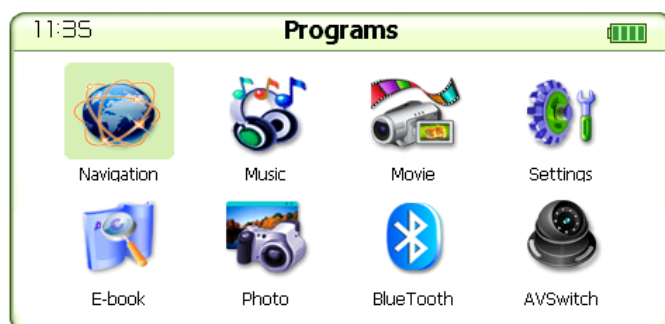
Click the icon [icon] to log into the E-Book interface as shown below:
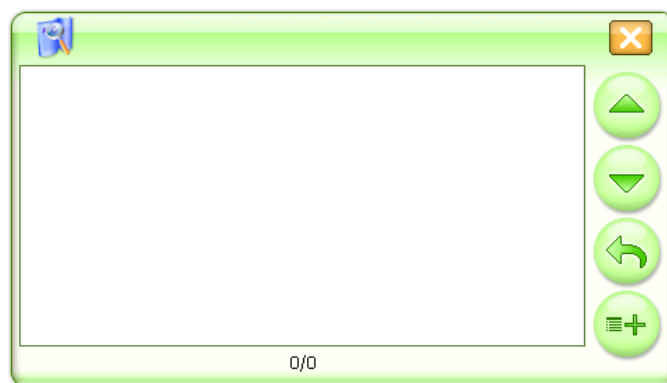
1、Click to select the storage path as shown below:
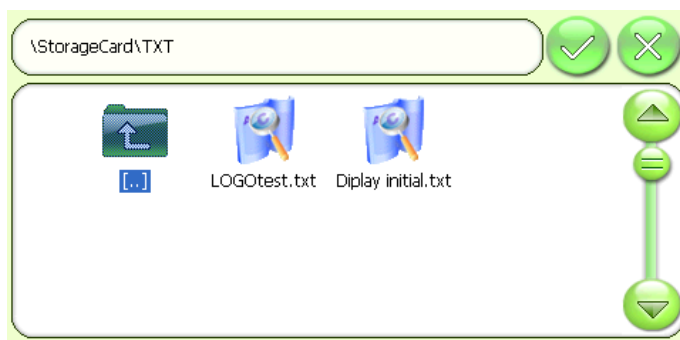
2、Click to select a text file and then press or double-click the text file itself to return to the interface of E-book Reader as shown below:
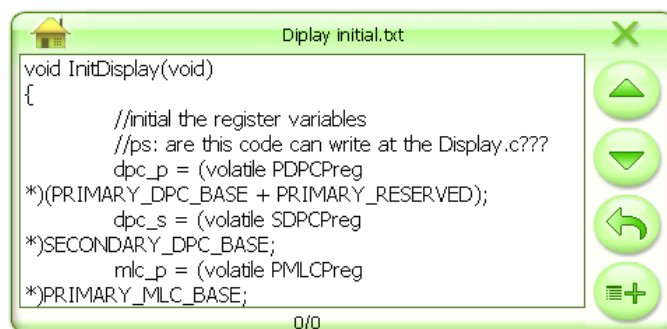
Function Description for other Icons:

Click the icon " " to page up;

Click the icon " " to page down;

Click the icon " " to set up the target page:
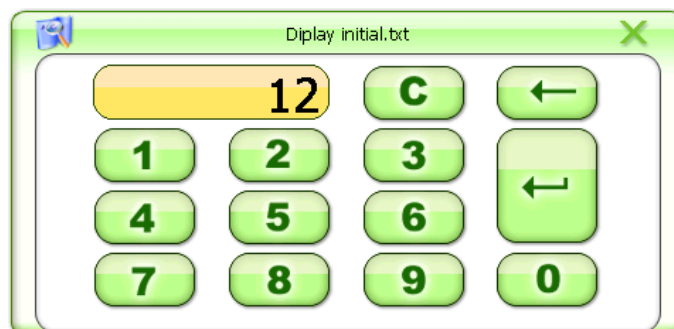
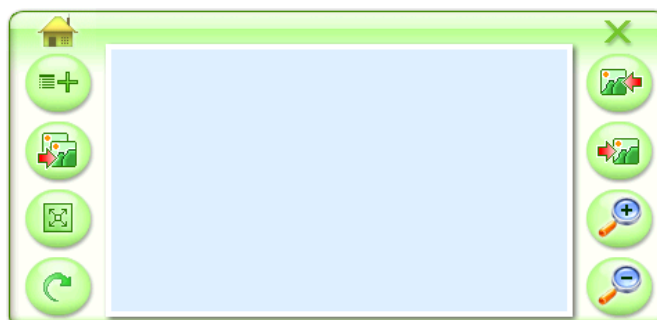Click to return to the interface of E-book Reader and then turn to the page referring to the number just put in.
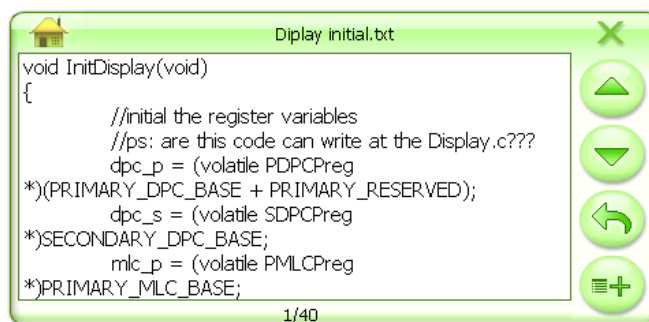
Click to exit the E-book Reader

7.4   Image Browser Interface Description

◆   As for the interface of Programs, please refer to the following picture
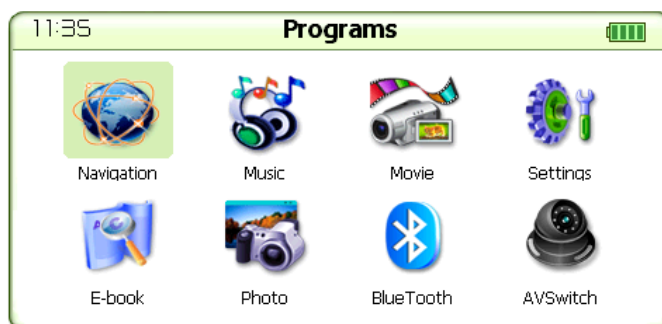
Click the icon to log into the main interface of Image Browser as shown below:

Click" ![icon] ", select the location of file to be saved, then enter into interface show as follows:
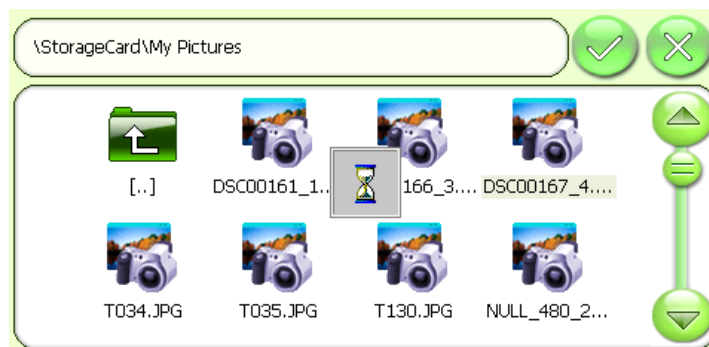
Click the icon ![icon] to log into the storage directory of images and the interface as shown

below:

Function Description for other Icons

Click the icon ![icon] to enlarge the screen to the full size.

Click the icon ![icon] to move to the previous image.

Click the icon ![icon] to move to the next image.

Click the icon ![icon] to enter the Image Slide mode.

Click the icon ![icon] to zoom out.

Click the icon ![icon] to zoom in.

Click the icon ![icon] the rotate the image 90^0 clockwise.

Click the icon ![icon] to quit the interface of Image Browser.

7.6 **Bluetooth Hand-free Operation Description**

As for the interface of Programs, please refer to the following picture.：
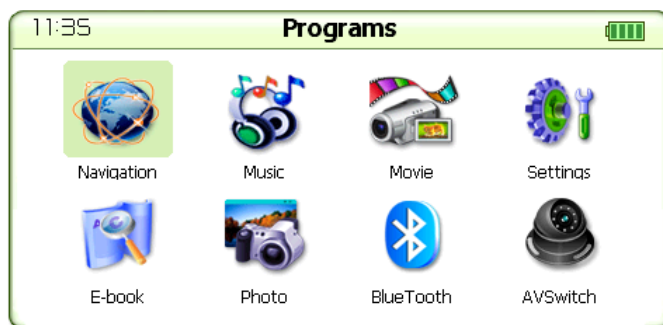
The device will enter into the Bluetooth mode after clicking the icon [icon]. When this function is used for the first time, the system will automatically look for paired Bluetooth devices. If there is any cell-phone Bluetooth device, the system will auto establish a communication with it; otherwise, 6 seconds later the system will quit automatically from the search mode to the Bluetooth main menu.
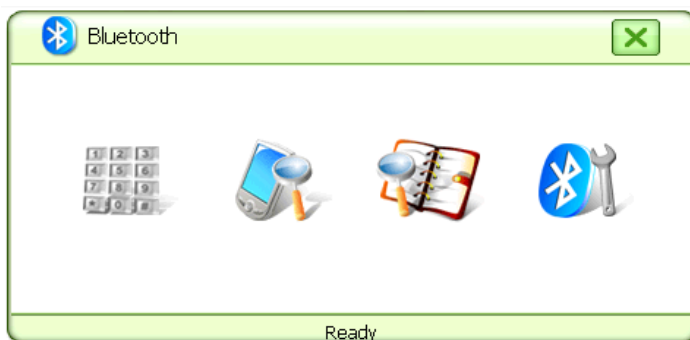
Click [icon] to enter the setting menu of Bluetooth
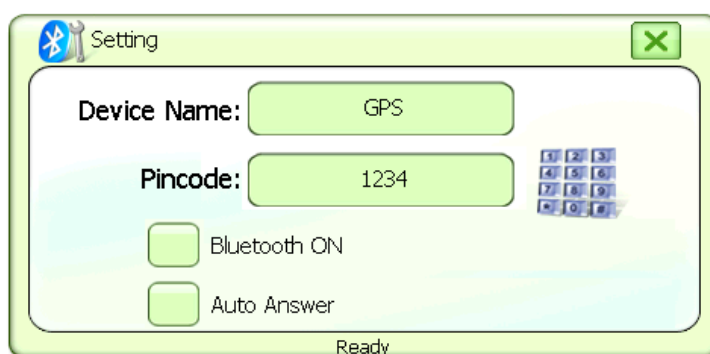
[icon] Bluetooth Activated Configure whether to remain the Bluetooth pair established last time in the non-Bluetooth interface.

[icon] Call Automatic Receiving To configure whether to answer all the coming calls automatically

Click the icon [icon] to log into the Code Input status as shown below:
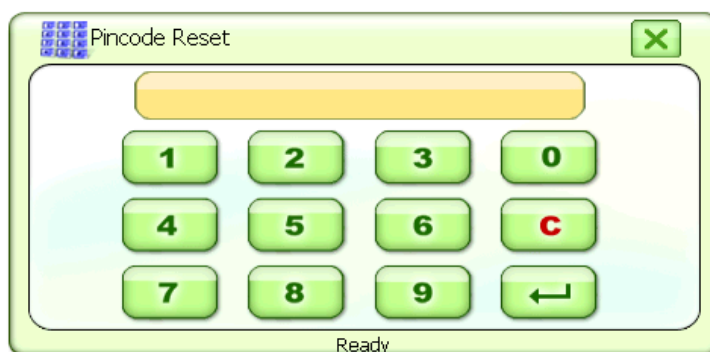
Input PIN code and then press to confirm the code, press " " to exit.

> NOTE: Once the PIN code is changed, the new PIN code must be remembered. Although the PIN code is changed, the former one still displays on the screen. The user must use the new PIN and better encrypt it to prevent others using the GPS Bluetooth device.
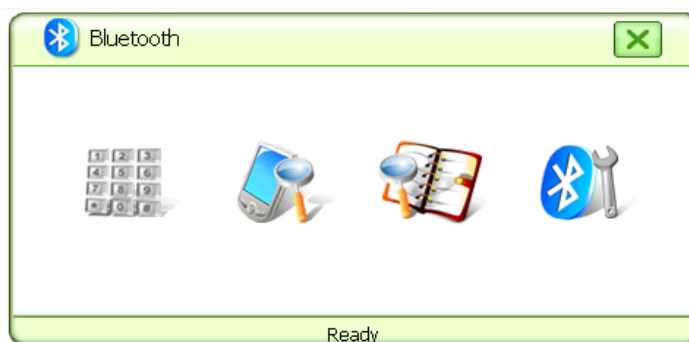

In the Bluetooth main menu, click icon" " to looking for a pair of devices:
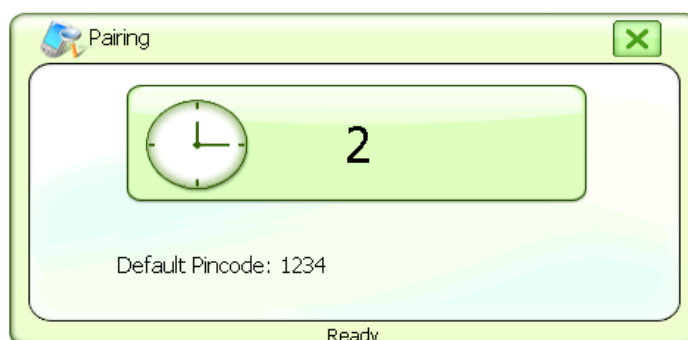
To make a partnership, user need use a cell phone with blue tooth function to search the GPS navigator. Please refer to the cell-phone manual for more details of Bluetooth function on cell.

When the cell searched a GPS Bluetooth device, it demands input the latter's password. The default password is 1234 and device name is GPS. Once the pair match is successfully completed, if the Bluetooth function on both GPS and cell-phone is turned-on, the navigator's Bluetooth will connect automatically. At the same time, there will be a time searching menu shown as below:
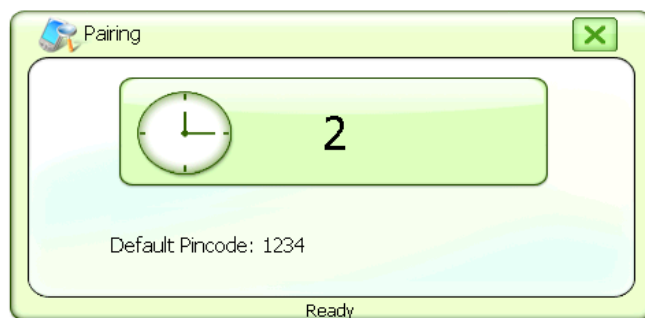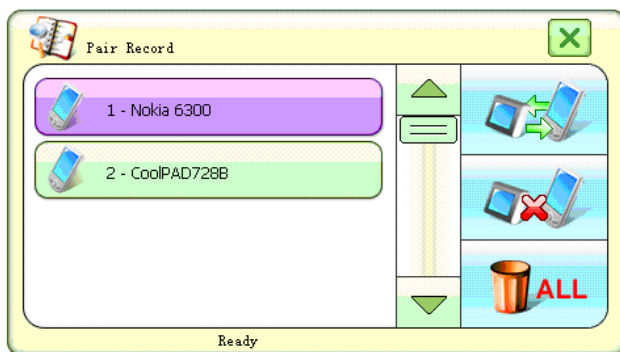
After successful connection, the color of the telephone no. keyboard will be changed from grey to deep-grey:
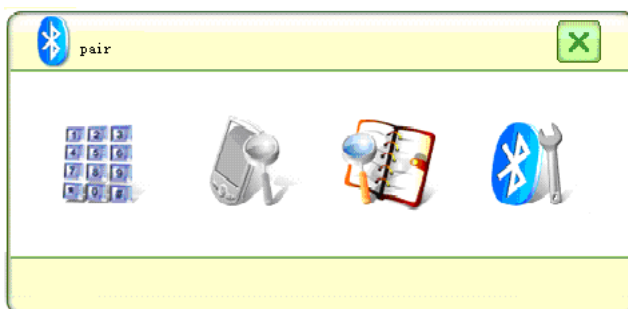
7.6.1 **Bluetooth Device Management**

Click the icon in the Bluetooth mode to check out the history of match-up as shown in the following picture.
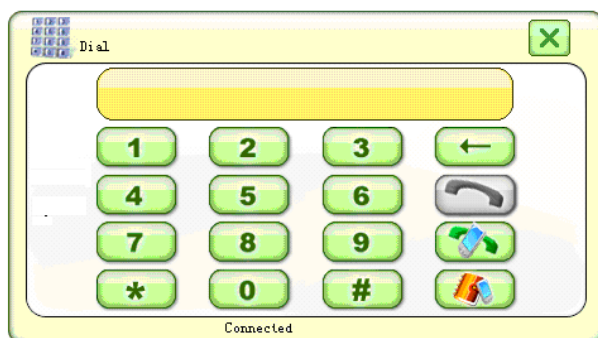

 Connect with all selected devices

 Disconnect with all selected devices.

 Delete all Bluetooth devices. Click the icon in the Bluetooth mode to log into the Dial & Communication Setup.

Please refer to the following Dial interface.

 Back Button

Answer Button

 Redail Button

 Call Recording Button

Process of Getting-through
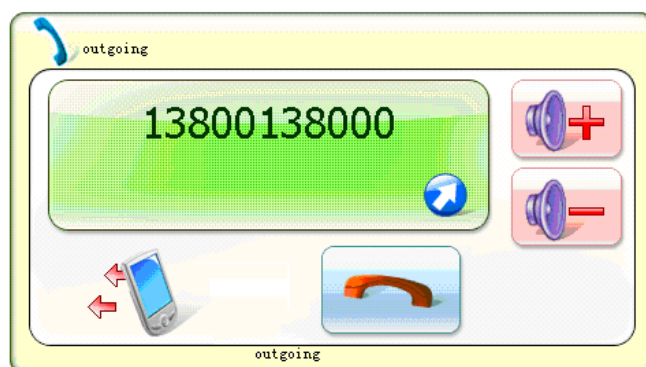
Hang up

 Volume Adjustment

Communication Status
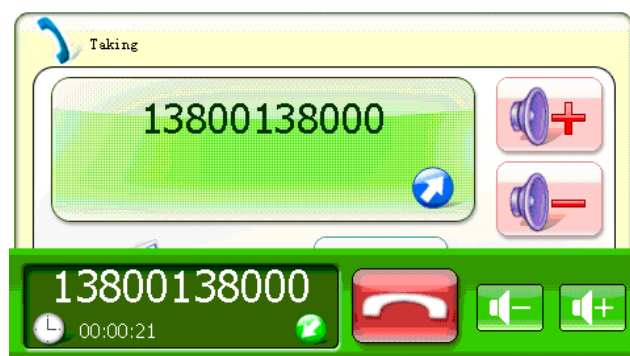
Telephone Number of Call-out

Communication Duration

Hang-up and Increase & Decrease Volume

As for the status of Communication (the mobile phone is connected with this product), please refer to the following picture.
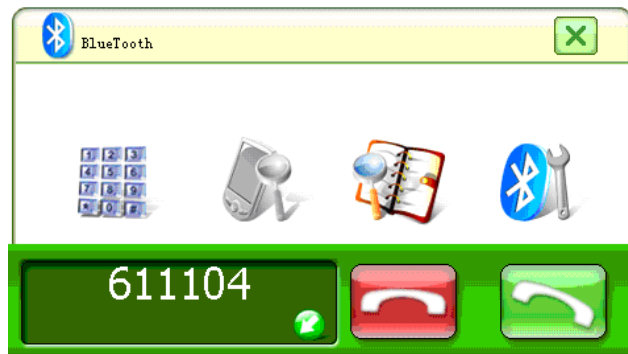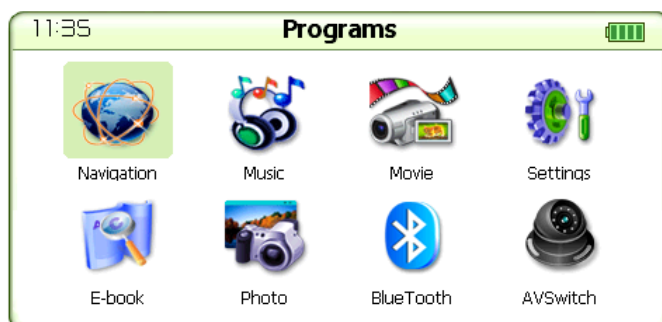

Telephone Number of Incoming Call

Hang-up Button and Receiving Button

NOTE: The Bluetooth device is only for the hands-free Bluetooth telephone, and does not support the Bluetooth data transmitting and other functions.

7.7 AV-IN Function

As for the interface of Programs, please refer to the following picture.

In the interface of Programs, click the icon , log into the AV model interface.

There is an AV cable attached in package to use on the rearview mirror and other video(VCD, DVD signal) output devices.

Connect the video output device with the GPS navigator by AV cable, and the interface of the GPS will switch automatically to the outsider signal play-backward function without any necessary to setup the GPS.

◆ AV Setup

   In the AV video interface, click the display screen to log into the setup

   interface of AV Video OSD setting

➢ AV/GPS Mode Changeable

   Function select:GPS mode and AV mode

➢ Display Brigntness

Press "+、-" to setup the brightness

➢ **Display Contrast**

Press "+、-" to setup the contrast

➢ **Display Color Saturation**

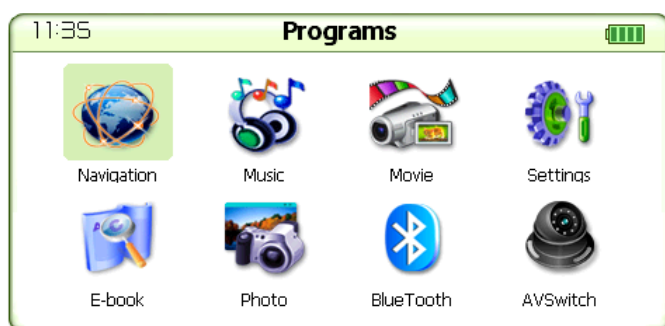Press "+、-" to setup the saturation

➢ **AV Color Setup**

Press "+、-" to setup the color
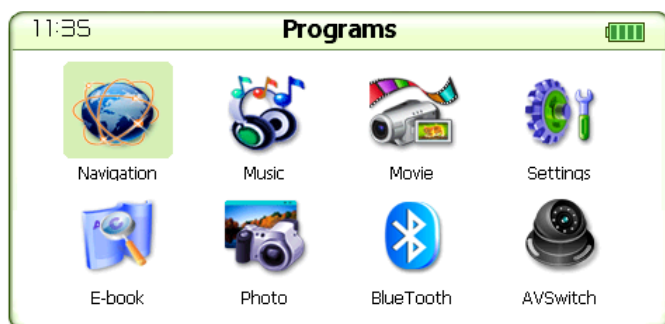
➢ **Video Display Picture and Menu Language**

Video display propotion support 16：9、4：3; Menu language can be select Chines and English.
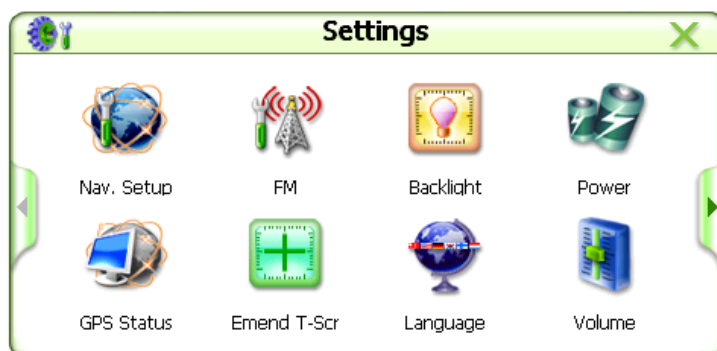
7.8   Setting Operation:

As for the interface of Programs, please refer to the following picture.

7.8.1 GPS Monitor Interface Operation

◆ Click the icon 选项 to log into the interface as shown in the following picture:

Click the icon to log in the following interface

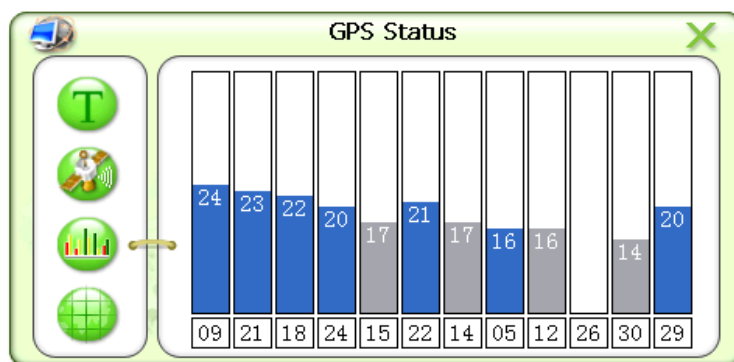◆   Click the icon to log into the function of GPS Monitor as shown below:
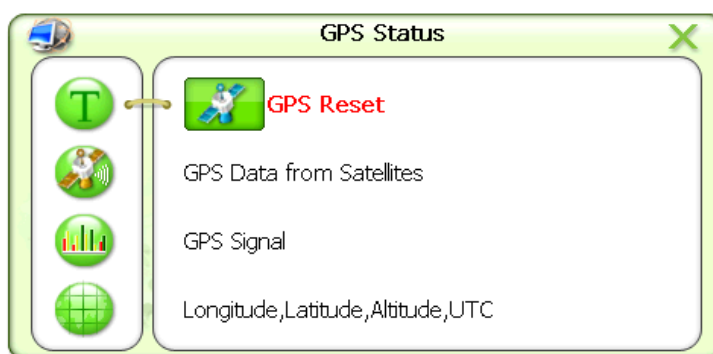
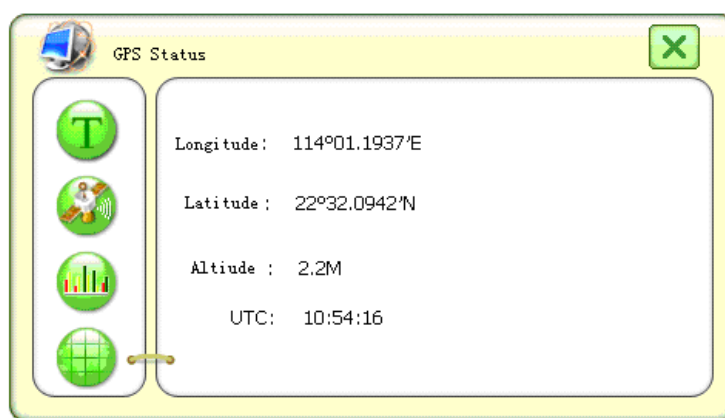1、Click the icon to reset the GPS satellite test.

2、Click the icon on the right to log into the interface of Satellite Data-stream as shown below:
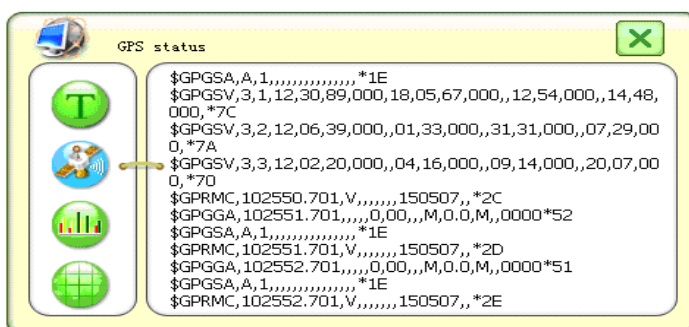
3、Click the icon on the right to log into the interface of Satellite Number & Signal Reception Status as shown below:

4、Click the icon ⊕ on the right to log into the interface of Altitude, Longitude & Time as shown below.


After requiring relevant information, press the icon ⊠ to return the interface of Programs.

Notes: The test of GPS monitor must be carried out in an open space. Otherwise, the satellite signal can not be received, leading to a bad signal reception status. It will take less than one minute to get current satellite position and check the receiving situation on the GPS monitor before you move the vehicle. It will take much longer if the vehicle is running as the longitude and latitude vary and it's hard to get the position.

7.8.2 **FM Setup Interface Operation(Optional):**

◆   As for the setup interface shown below:
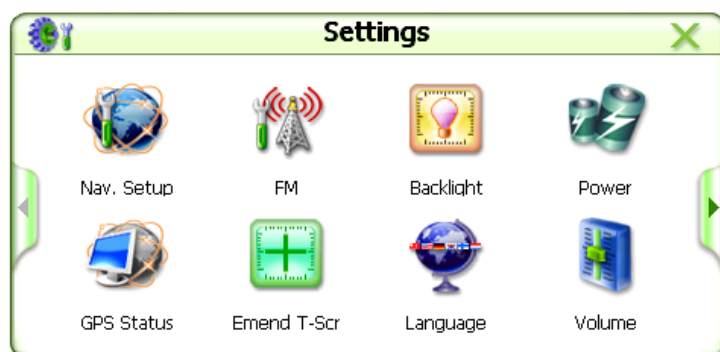
Click as shown below and the following tips pop up:
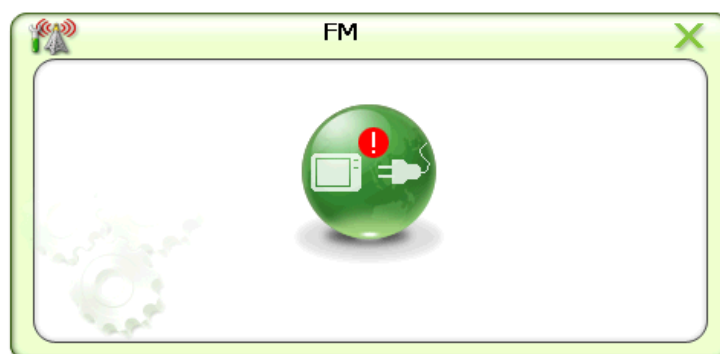
Notes: The above-popped-up icon reminds users to connect the DC power plug of charger (i.e. onboard DC power supply) as the DC power cable serves as antenna for the FM transmitter. Therefore, the FM mode can not be initiated and operate normally without antenna.

◆ Click to log into FM setup interface as shown below:
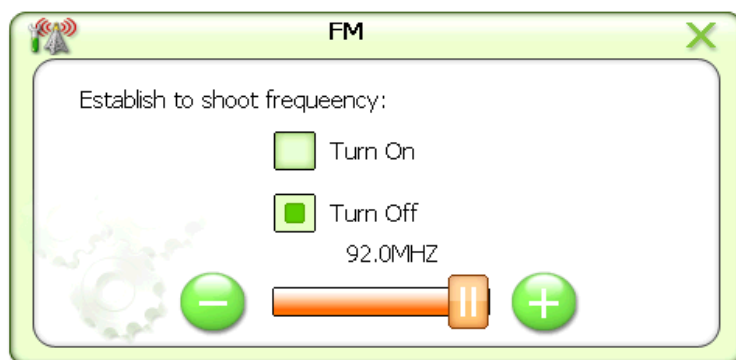
1、 Press to turn on the FM transmitter

2、 Press to turn off the FM transmitter

3、 Press to decrease frequency

4、 Press to increase frequency

5、 Press [X] to confirm and quit with changes to be saved.

7.8.3 Touch Panel Calibration

In the setup interface, click the icon [+] to log into the interface of Touch Panel Calibration.Continue to press the Central Cursor as shown on the screen till the Calibration Cursor moves to the upper left corner automatically and then the lower left corner, lower right corner and upper right corner in sequence. If the callibration is achieved, the screen displays OK and the user can use the Touch Pen to click any spot on the screen to quit. And all the information concering screen caliabration is memorized even the power is off. Therefore, it is unneccessary to carry out screen calibration each time at startup. And the screen of this product must be calibrated before delivery from factory.
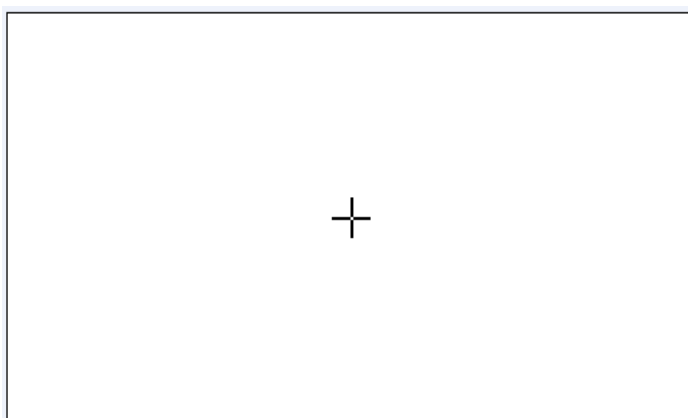
7.8.4 Language Setup Interface Operation

◆ In the setup interface as shown below:
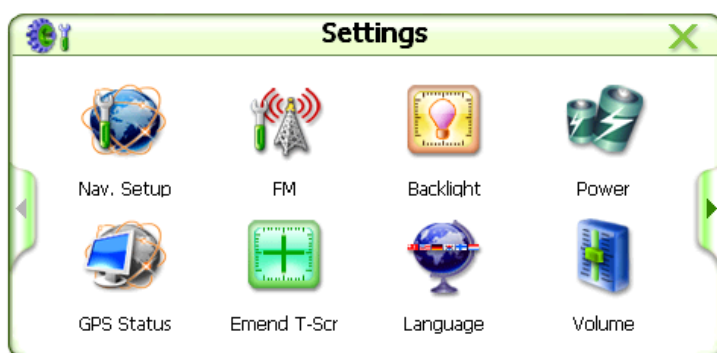
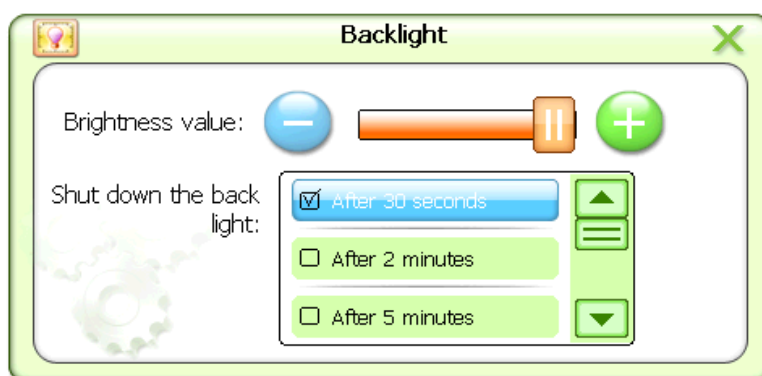◆ Click the icon [globe] to log into the interface of Language Setup as shown below.

Select the desired language and then click the icon to return to the interface of System Setup.

7.8.5   Brightness Setup Interface Operation

In the setup interface as shown below:

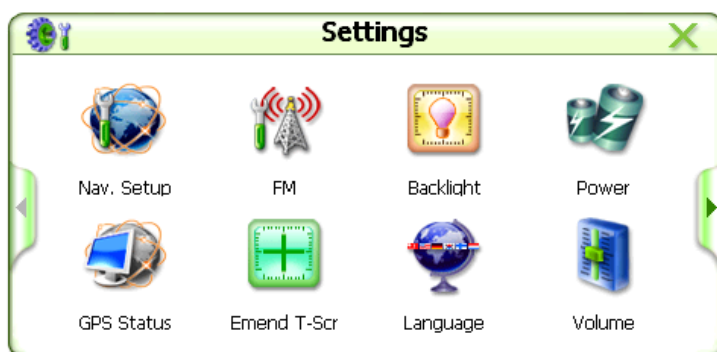◆   Click the icon to log into the interface of Brightness Setup as shown below:

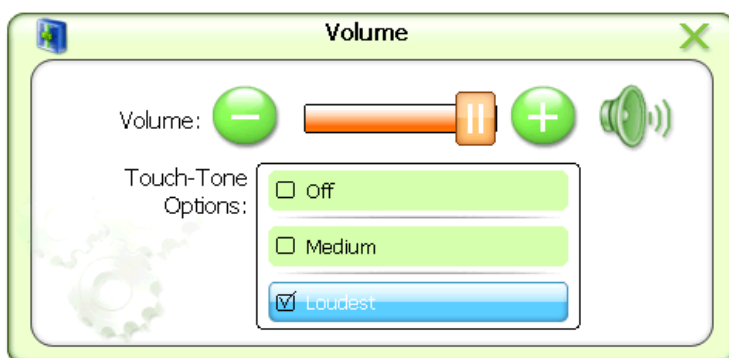Through this option, the brightness and duration of backlight can be configured. When completing setup,

click the icon to return to the interface of Setup.

7.8.6   Volume Adjustment Operation

In the setup interface as shown below:

◆   Click the icon to log into the interface of Volume Adjustment as shown below:
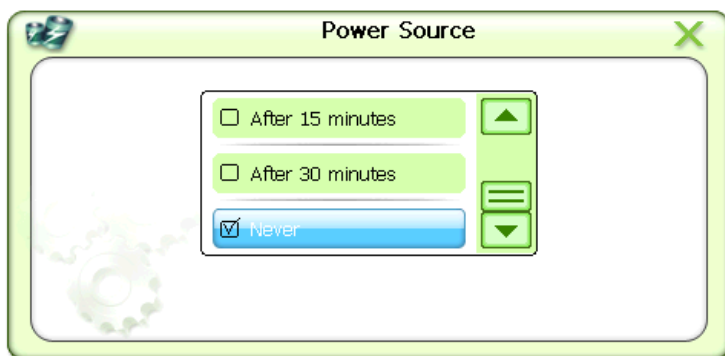

Under this interface, users are allowed to adjust the volume, enable or disable the speaker and the

tone while pressing any button or the touch panel. Click the icon to return to the interface of

Setup.

7.8.7 Power Setup Operation.

◆   In the setup interface as shown below:

Click the icon to log into the interface of Power Management as shown below:

Configure the duration for the system before entering the standby mode according to the actual conditions.
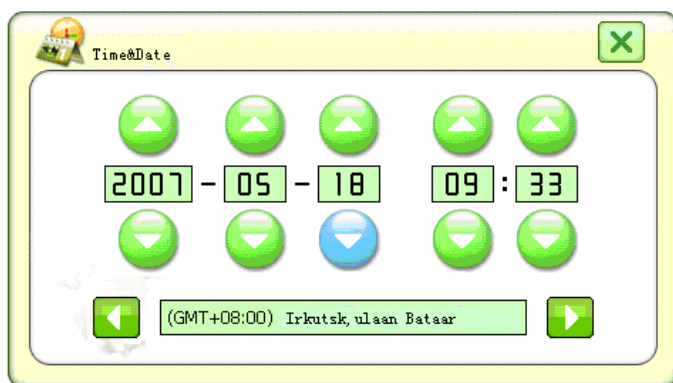
7.8.8 Time Setup Operation:

◆ In the setup interface as shown below：

Click the icon to log in the following interface.

Click the icon to log into the interface of Time Setup as shown below:

Click the relevant area to activate the modification status for corresponding option directly on the touch panel and then press the button to adjust. When completed, click the icon to return to the interface of Setup.

7.8.9 **Interface Style Setup**

In the setup interface as shown below：

Click the icon to log into

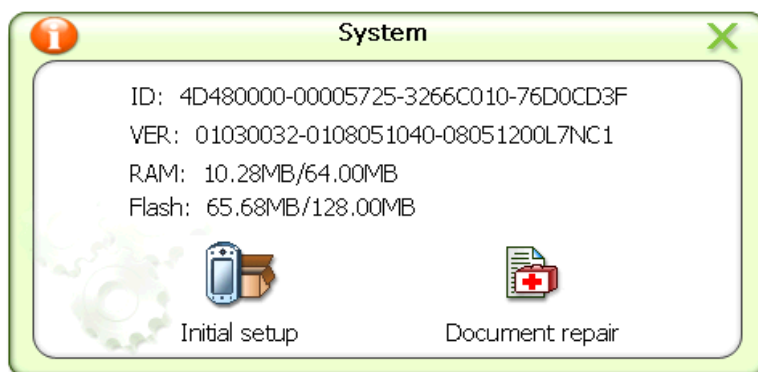Select your desired style and then click the icon to return to the interface of Setup.

7.8.10   System Information：

◆   As for the interface of Setup, please refer to the following picture.

Click the icon to log in the following interface.

Initial Setup: Restore the system into the initial status;
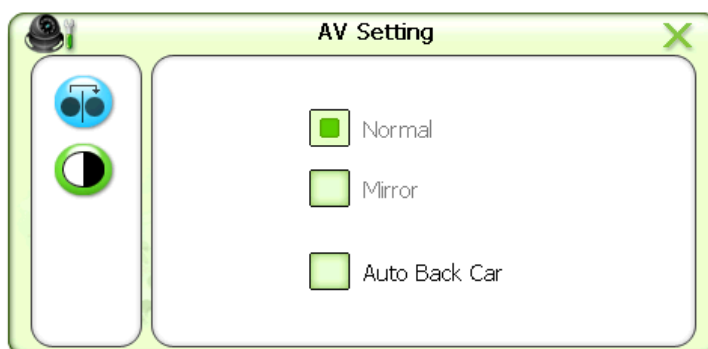File Reparation: Repair files stored in the flash memory
ID: GPS body number
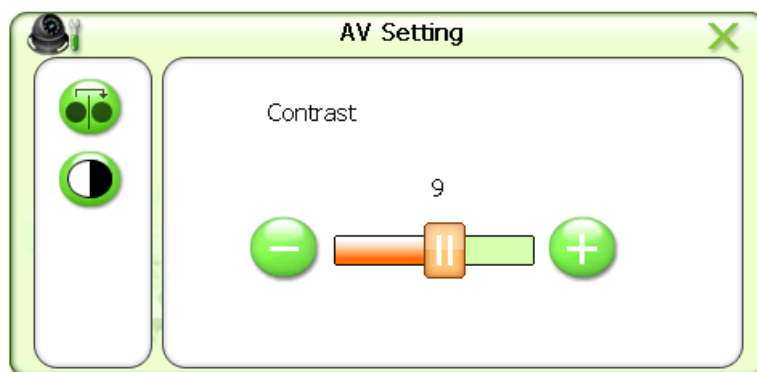VER: Software version number
FLASH: Built-in Flash memory

7.8.11 Operation Description：

◆ In the interface of Programs, click the icon to log into the interface of AV Setting:

Click "Auto Back Car", storage the setting while quit the interface

Click the icon in the AV Setting to setup the contrast as shown below:

The system will log into the AV vedio interface automatically while the AV Input receipt the back car signal, in this process, any button is not working until back car is over, the system will return to the interface of GPS navigate

◆ The back car AV vedio is valid under the status of GPS working or standby, invalid when power off. Please do not shut down the navigator, press the button "Power" for a short time when get off the car.

◆ The system will wake up automatically when has back car signal input in the standby state, the screen will display the back car AV vedio, it will log into the state of standby automatically again when back car is over.

7.8.12 Navigation Software Operation Description

◆ Insert the SD Card which contains the navigation software and log in the setup interface
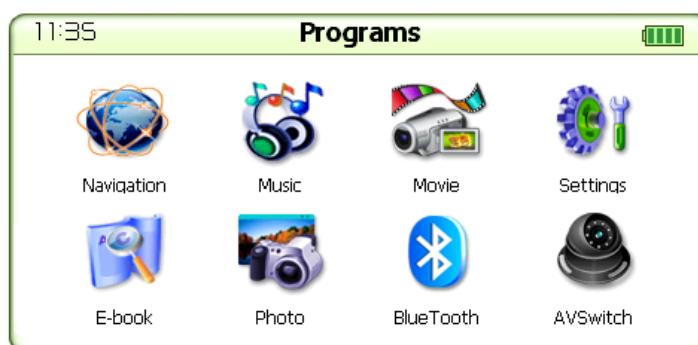
Click the icon to log into the setup interface as shown below:
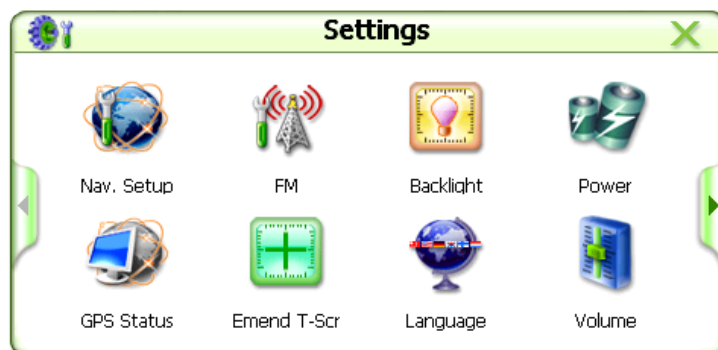
◆   Click the icon to log into the relevant interface as shown below:

Click the icon to log into

Locate the navigation software according to the storage directory and click the icon

 to quit and return to the interface of Programs as shown below.

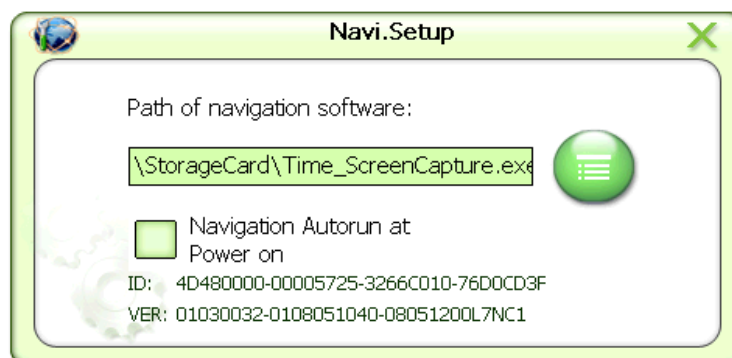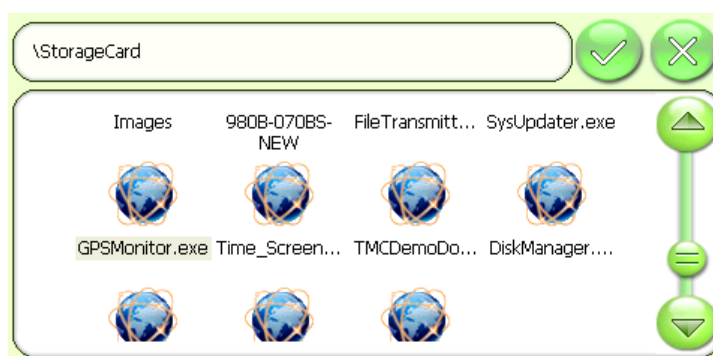Click the icon on the main interface and the system will show automatically the map navigation. The operation of navigation software provided by third parties is different, please refer to the corresponding software manuals

USB Synchronization Software Installation and Operation Description

8.1 Applications

This data synchronization software is designed to connect portable devices in WINCE platform to a PC.

8.2 Copyright and Exemption

Copy Right Declaration: All the copyrights are reserved by Microsoft Corporation.

According to the "Computer Software Protection Ordinance" issued on Jan. 1, 2002, any installation, displaying, transmission or storage of software for the purpose of study and research of the software do require no permission from and no payment to the copy right's owner.

8.3 Running Environment

Hardware Platform: PC with PIII or plus

Software Platform: Microsoft Windows 98/ME2000/2003/XP

Requirements: This software is packed in Windows Installer package, so it is necessary to install the MSI service support patch in the CD-ROM before installing the software. For the Windows 98/ME system, InstMsiA.exe should be installed; and the Windows 2000, InstMsiW.exe.

8.4 NOTES

1. All the operations described here are based on the WINDOWS XP SP2 OS. For other WINDOWS systems please operate according to the corresponding requirements;

2 If a USB connection is applied for the synchronization software, the USB driver program for portable devices should be installed;

3 The GPS navigator should be turned on already before connecting it to the computer with a USB cable;

4 Please adjust the time of GPS system (including the time zone) consistent with your PC before starting any USB function, otherwise the driver program's connection would fail.
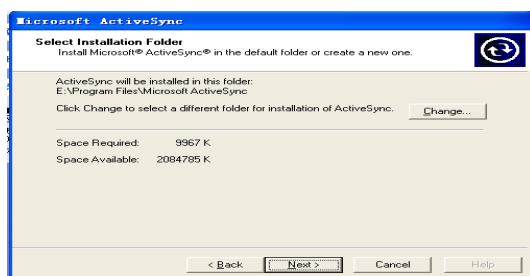
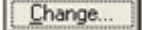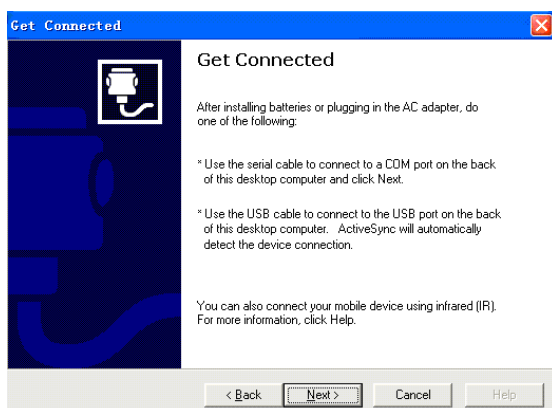### 8.5 Synchronization Software Installation

Run the attached CD driver:
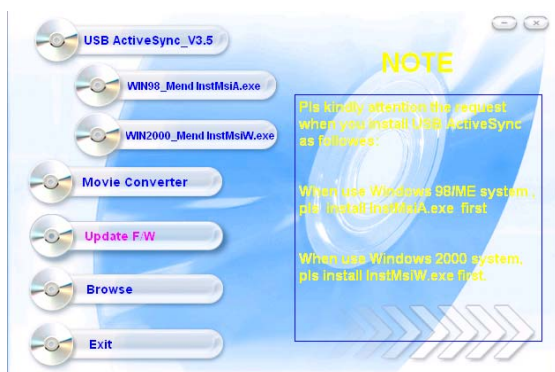
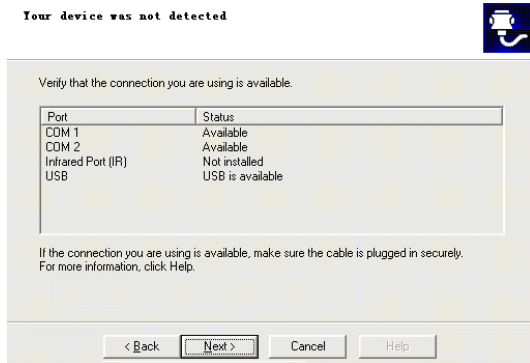Double click "" to enter the Installation interface as below：

Click the button to continue installation.

Select a new installation directory by pressing the button. If unnecessary to change the installation directory, press the button to continue and log into the following interface.

Press the button [Next >] to continue as shown below:

Press the button [Next >] to continue as shown below: When completing the installation, a short-cut

icon of this software just like [Microsoft ActiveSync] appears on the desktop. On desktop, Click the "My Computer",

In My Computer, the icon [Mobile Device] can be found. It's mean the Synchronization Software install success.

8.6 Synchronization Software Installation and use

1. Turn on the GPS and connect with PC, then a icon "found new Hardware Wizard" appear on the desktop as below：

2.After connection, there is a message to display:
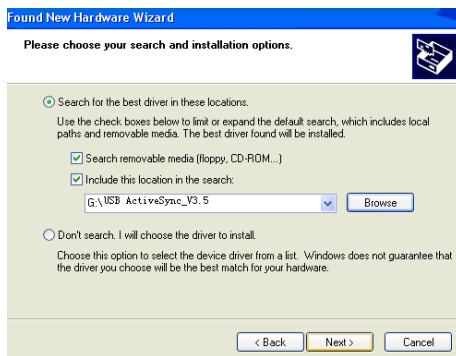
Select "no, for a while no(T)" to stop the installation.

Or Click "Next(N)" to continue.

Find "Anchor USB EZ-Link Cable"，then select "Install from a list or special location(Advanced)" then click "Next"，show as below：
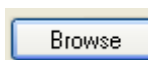

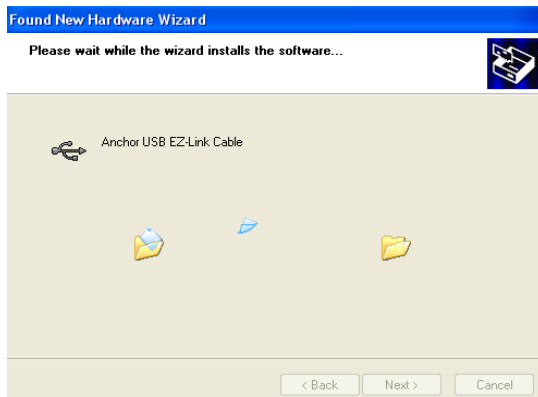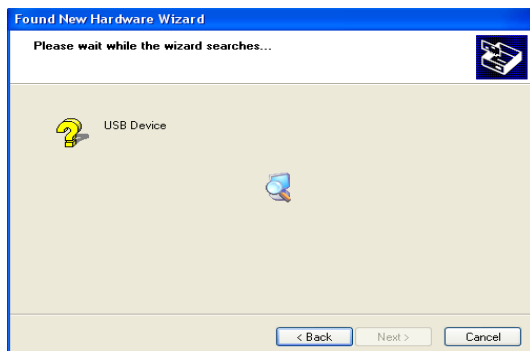3．Select the two file "wceusbsh.inf", "wceusbsh.sys" from "USB ActiveSync_V3.5" folder where save
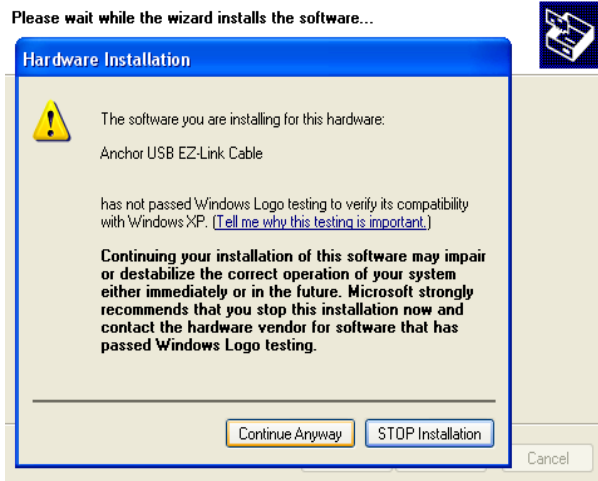
the CD driver；

Select "USB ActveSync_V3.5" in the

1、 Waiting for the drive copy, show as below:
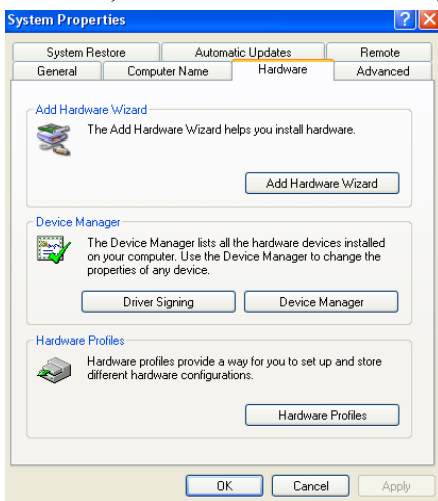

There will come out dialog box when copy the drive，show as below，Click "Continue Anyway".

Finish the copy，the install is succeed；
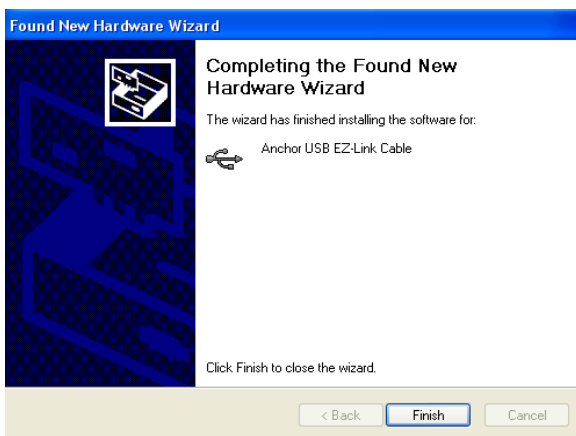
6、Check the drive whether working, click "My computer" on desktop，then find "System Restore","hardware"，"Device Manager"， show as below：

7、If "Anchor USB EZ-Link Cable" can be found in Device Manager, that means GPS drive install and connect succeed ；

8.7 **Handle the synchronization software：**

1、When there is no connection with GPS navigation, the synchronization software show "not connected"

and a icon appear in the Synchronization window；
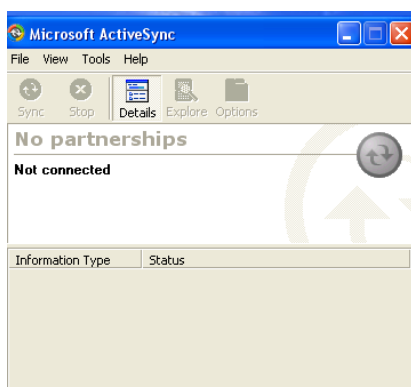
2、When GPS succeed connect with the computer, GPS will show as below:
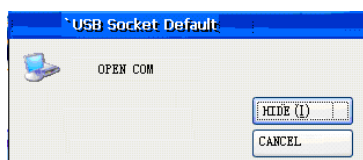
3、In the meanwhile the connect process of computer synchronization software show as below, the icon of

 will turn green and circumgyrate ；

4、After succeed connect will come out show   as below：

Select "Yes", you can synchronize information between your GPS and computer, select "No, you will be as a guest in next time.

5、When the connection is succeeded, the following interface comes out afterwards.

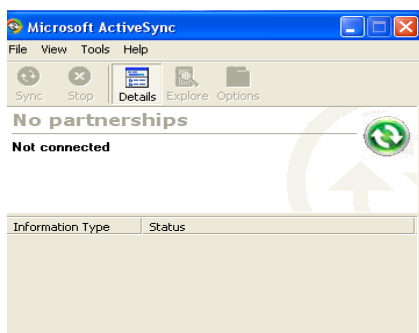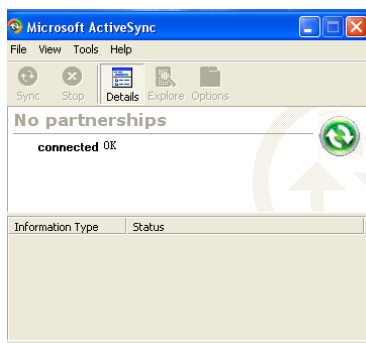6、After install synchronization software is succeeded, in "My computer" will show "Mobile device", when connect with the GPS navigation, can use the "Mobile device" visit, copy and delete the file of the GPS

navigation memory. Show as ,

Double click" enter then show as below, in this time can copy, stick, delete the file which in

"NANDFLSH"

Note：NAND Flash is the memory built-in the GPS.
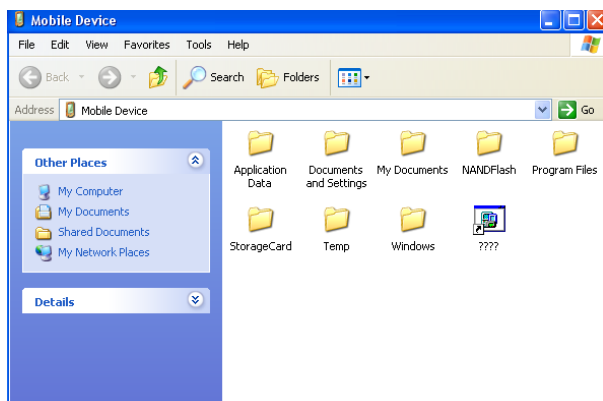
7、Handle the SD card:

"Mobile Device" have the files are as below，the "Storage Card" file is the content of the SD card，

Note：Storage Card is the extend memory (such as SD/MMC card)
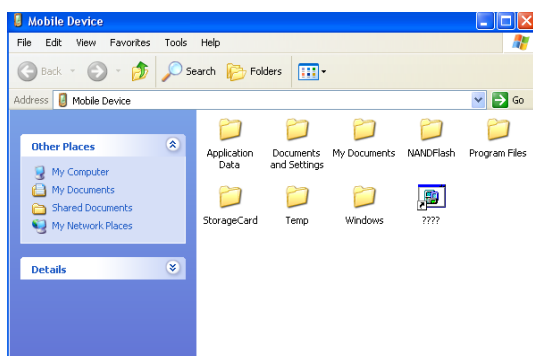
Double click Storage Card，can view the photo as below："MOVIE " folder save the movie file "MUSIC" folder save the music file,"PHOTO" folder is save the photo file.

9. Software Update：

Click **Update F/W** file copy to SD card and insert the SD card to GPS navigation ,then turn on the GPS navigation ，show as below:
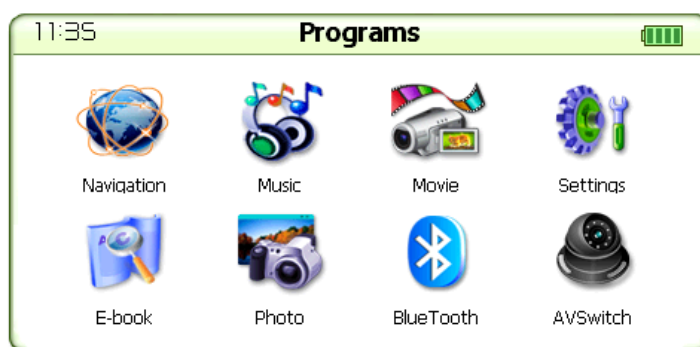
Click" "，enter to setting interface，show as below：
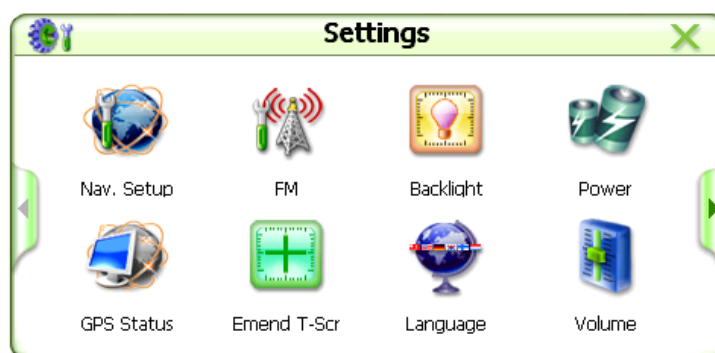
Click" "，enter to Navigation setup, show as below:
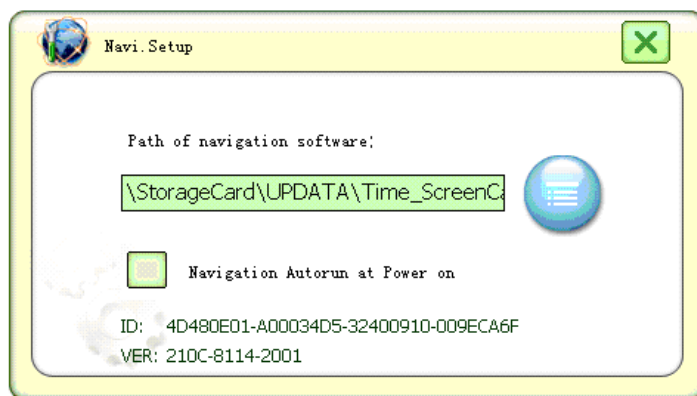
Click" ", enter to   Storage card,，show as below：
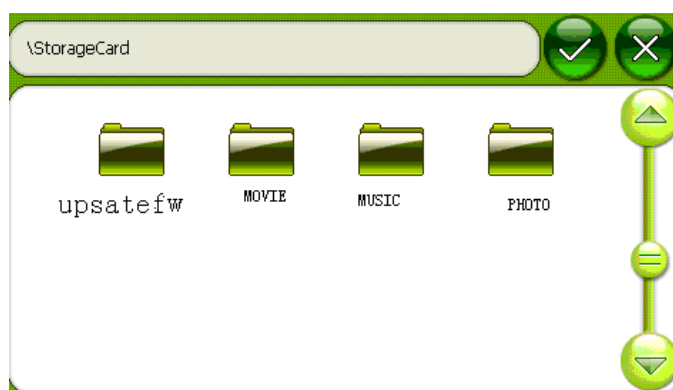
Select upsatefw   as shown in the following picture:

Double click Syupdater.exe to select the path of software
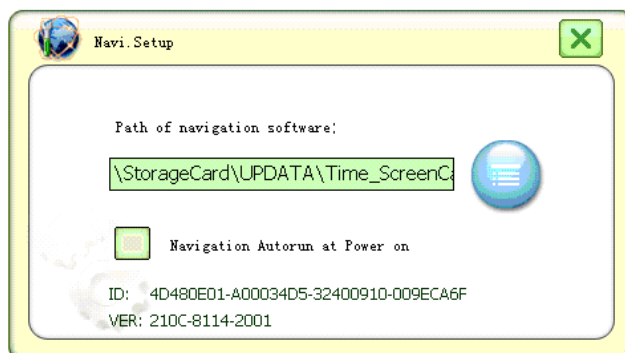
Click the icon to return the setup interface,

Click back to the main menu
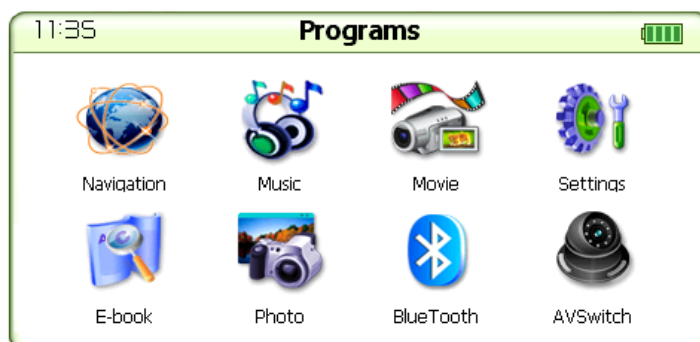
Click Navigation   again to enter the update interface：
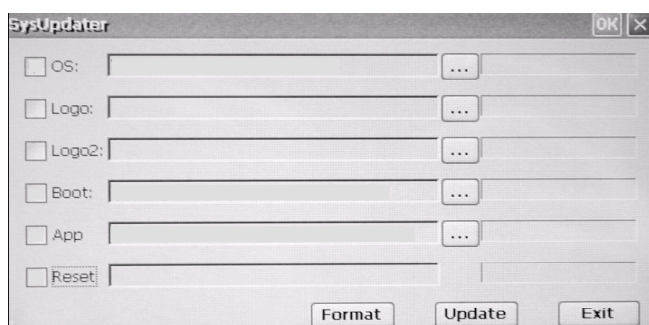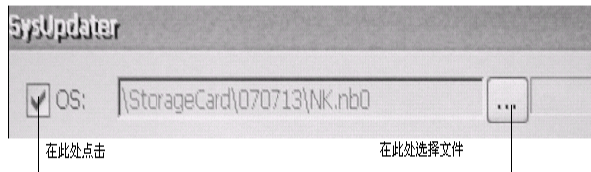
Finish setup and show as below:
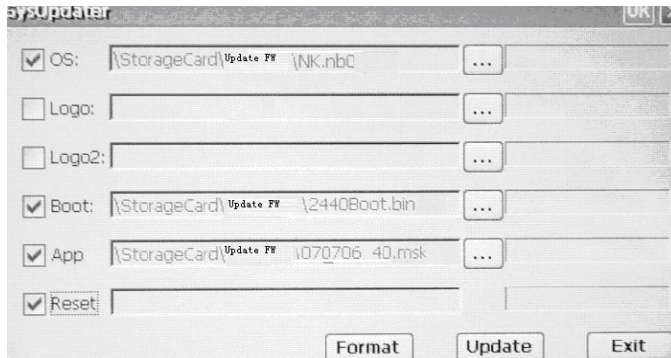
Click to finish update.

10. **Operation of Video Conversion Tool**：

10.1 Copyright and Exemption

Copy Right Declaration: The software is free to download from our website for only the purpose of reference. To convert films in other formats, you may download other software which may bring some copyright issues or entanglements, which are out of our company's responsibility.

10.2 Running Environment

Hardware Platform: PC with PIII or plus
Software Platform: Microsoft Windows 2000/2003/XP

10.3 NOTES

1. The film playing is only an additional function of the GPS. You can convert films that are in other formats and can not be played in the GPS using the converting software in the CD-ROM before you load them into the device. This is not the problem of the GPS itself. There are so many coding methods for even the same format in Internet, so the device could not be compatible with unknown formats or without copyright.

2. All the operations described here are based on the WINDOWS XP SP2 OS. For other WINDOWS systems please operate according to the corresponding requirements;

3. Some formats are not convertible by the software provided in the CD-ROM, so, if need, please download the corresponding tool for them.
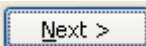
10.4 Install and use

Double click and run the CD drive then select " **Movie Converter** "

Click to select a language, then click

Click
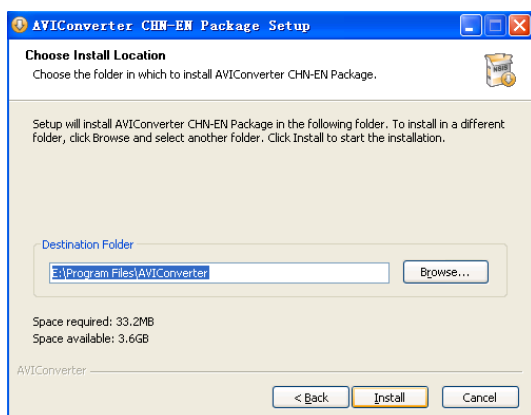
Select the install path, Click
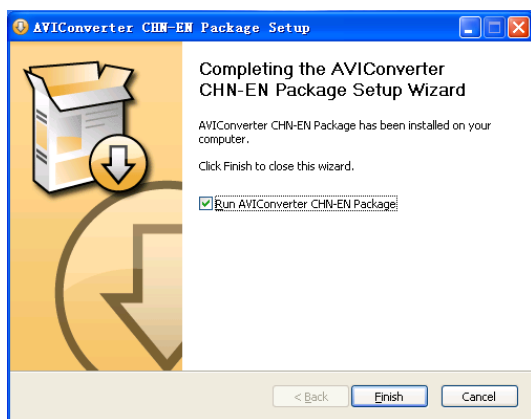
Click[Finish],   Click   on desktop and open the tool of video converter
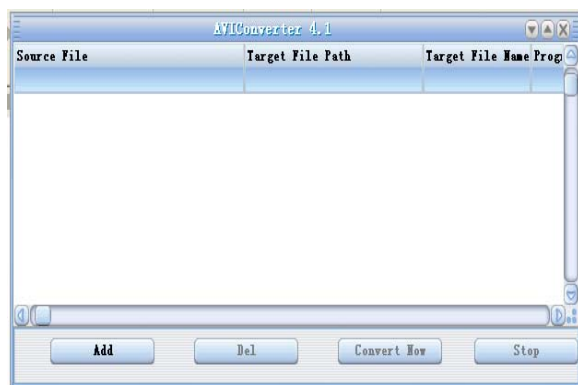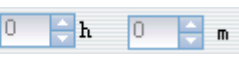
Double click   Source File   then show as below:
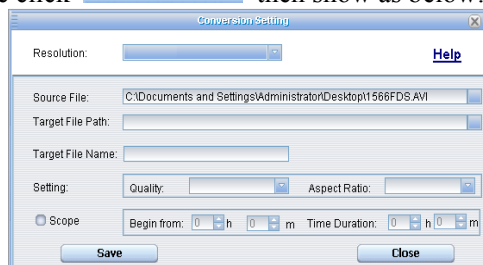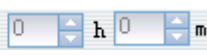
Target File Path: Select the destination where the converted files need to be saved Click to set

the save path

Quality: Set the conversion quality: high, normal and low

Aspect Ratio: Full screen, 4:3 and 16:9 three options

Begin from: [0] h [0] m : Set the Start time of source video fragment

Time Duration: [0] h [0] m : Set the end time of source video fragment

After setting, click [Save] or [Close] and return to the main conversion interface as below:
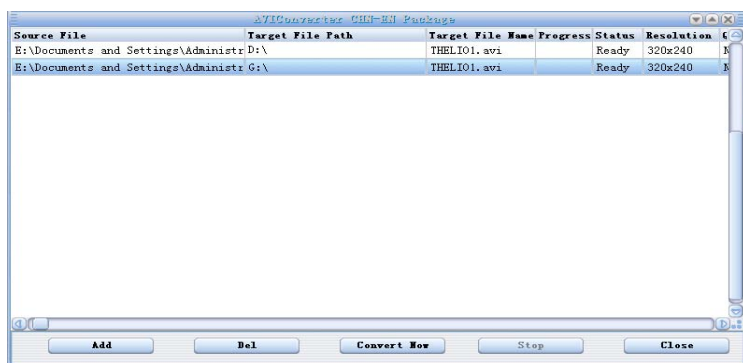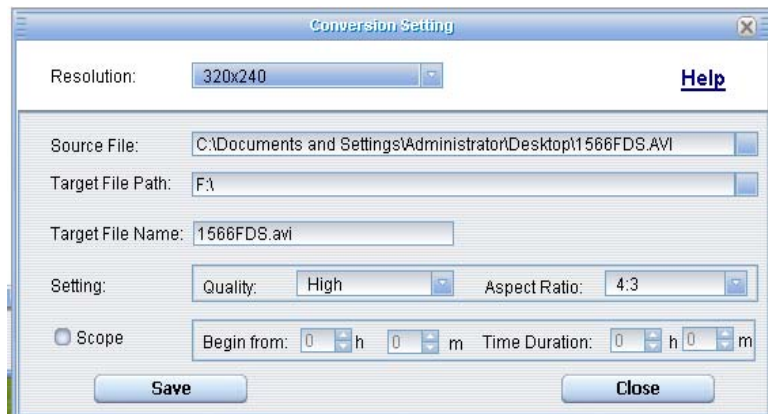
Click [Save] to start converting. When finished, the file will be saved in the appointed folder. Copy the file in a SD card and insert into GPS navigator, then the file can play in GPS navigator.

11 FAQ

1. What role does the electrical map play in the navigator?

A. The electrical map is an application that integrates map data and navigation software, and the navigation function is implemented with the help of the software and the navigator.

2. How long would be the positioning completed after turning-on?

A: The navigator should meet the requirement of getting position parameters with 60s at the same point under clear sky. But the time to position is affected sometimes by factors such as satellite signal shelter, SA interfere (block-off of mountain or building), climate, environment etc.

3. What can I do as the map is lost during formatting?

A: There are map data backup in the CD-ROM. You should unzip the data of the folder "GPS map" in the

CD-ROM into the SD card. After inserting the card into the GPS navigator and turning it on, the system demands activation code. Then input the right one (call your dealer for it) according to the hints to reactivate the navigation system.

4. Why does the positioning take longer time sometime?

A: The time to position may be longer in the following situations:

（1）GPS satellites distribute uneven over the local zone.

（2）GPS signal can not pass through most opaque solid matters, and the signal receiving is interfered shelters above such as building, tunnel, trestle, tree, vehicle's blast-ban membrane etc., as well as weather conditions such as overcast and rainy day.

（3）The battery energy of the navigator is not adequate.

(4) The receiving of GPS signal would also be affected and reduced down by thick film or tearing foil that contains some mental element.

5. Is it free to receiving GPS satellite signal with the navigator?

A: Yes, the receiving of GPS signal is free of any charge.

6. Can I obey completely the GPS's navigation during my trip?

A：The result of the position and the route calculated by the navigator are only for your reference, and you shall pay attention to the local code and the traffic symbols in driving.

7. How about the precision of the navigator?

A: The precision of the GPS, which comes from the satellite position technique of the USA army, is completely in the influence of the precision of USA's GPS satellite signal. According to the official data, the precision is within 10 meters; and commonly, it may be more precise in 6 meters at more than 90% time.

8. How to do in the case of abnormal shutdown of the navigator?

A: (1) Press the RESET Key on the back of the device and observe if the restarting is normal or not.

(2) The electrical capacity of the Li-ion battery is not adequate. Recharge it with the USB cable connected to a computer or with the charger, and try to turn on the device under the condition of enough energy.

9．Why the stand-by time of the navigation instrument is too short sometimes?

A: The duration of the lithium battery varies with environmental temperature changes and the service conditions. If the environment temperature is too low or too high, the duration of the battery will be affected. It is recommended to use this device at the room temperature!

Advice: When the device is being used, larger screen of the navigation device requires more electricity. In addition, affected by the volume increase, sound field special effects, and other factors such as frequent operation, the actual duration may be different from specified one to a certain extent. When the device is used in the car, it is recommended to connect the car charger and charge the device while using it.

10．Why is that some movie files can be played, while others of same format can not be played?

A: Incompatibility may occur, because there are different compilation-modes and resolutions for the files of same format at current websites. All you have to do is convert their format using recommended conversion tool attached to the disk before playing them..