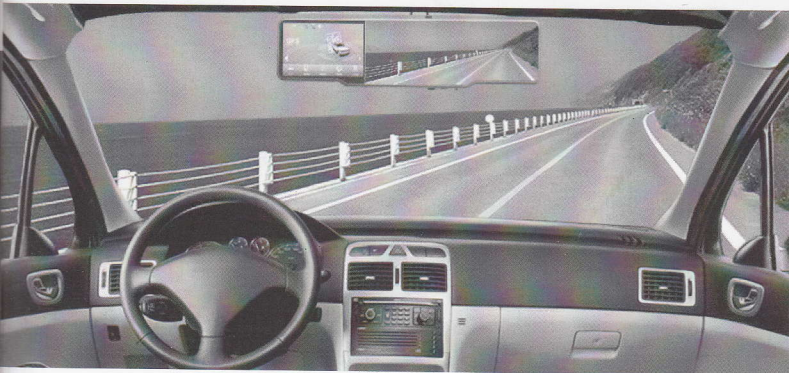


>> USER MANUAL <<

Car Navigation System

Rear view mirror GPS

V3.0



professional car electronics system

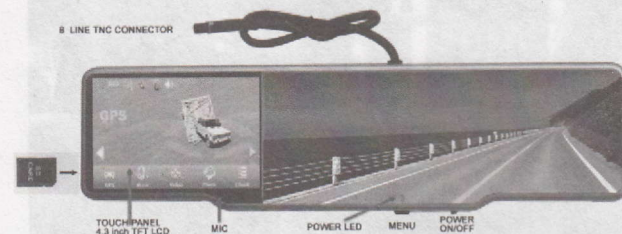
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Chapter I Install

1.1 Outlook



1.2 Fixed the Machine on the mirror

Condition of installation:

Method of installation

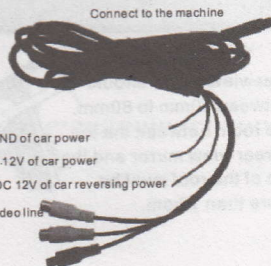
The height of original rear-view mirror should between 60mm to 80mm, the room between the top of rear-view mirror and the top of the roof must be more than 10mm.



Put the activity claw to fix on the top of the rearview mirror, and then pull down the console, so that a fixed claw stuck in the rearview mirror along.



1.3 Install the line in the car



Connect to the machine

Black Line: connected to GND of car power

Red Line: connected to DC-12V of car power

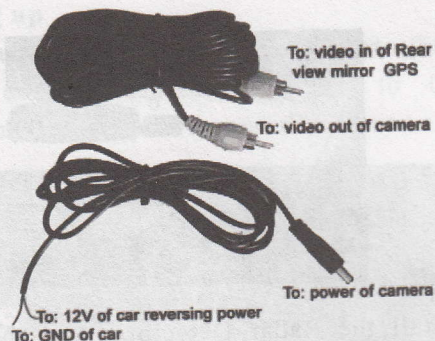
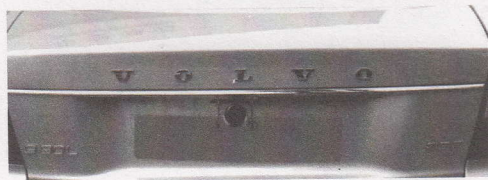
Green Line: connected to DC 12V of car reversing power

Yellow RCA: Video input, connect to the reversed camera video line

White RCA: Audio-left Output, connected to car speaker

Red RCA: Audio-right Output, connected to car speaker

1.4 Install the Reversing Camera (optional)



To: video in of Rear view mirror GPS

To: video out of camera

To: power of camera

To: 12V of car reversing power
To: GND of car

1.5 Install the Radar Detector (optional)

1.5.1 Install the Radar Detector under the car windshield

The type of Radar detector includes:



Radar Detector



Cigarette lighter power line



Suction cup bracket

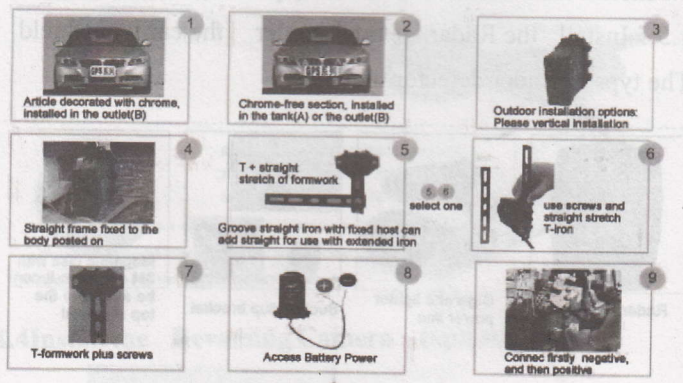


Magnetic disk with 3M adhesive. It can be affixed to the top of panel

The installation place is shown as the following, it can be placed on A, B or C. And connect to the cigarette lighter



1.5.2 Install the Radar Detector under the car bonnet
The type of Rader detector is installed as following steps:



1.6 Install the Digital Video Recorder (optional)

The Digital Video Recorder function is descriptor in the DVR user guider.

1.7 Starting up

Insert the supplied SD card (optional) into the slot at the left of device. Push the power key to ON then enter into the main function operation screen as below.



the main function operation screen as below.

View the functions by pressing at the bottom of the interface. Tap 「Media」, 「Games」, 「Tools」 or 「Setting」 to enter the next function menus. The main functions are listed as below.

Function	Explanation
GPS	Tap to enable navigation function
CMMB	Digital TV
Music player	WMA9 and WAV files supported; Random, sequence and cycle play supported

Video player	WMV, ASF and AVI files supported; Adjustment of playing progress, pause and full-screen play supported
Photo Browser	JPG, GIF, BMP and PNG files supported; Photo rotation, zoom in/out and auto play supported
E-book	TXT files reading supporting page selection
Bluetooth	Setting and using the bluetooth
Games	Some games
Tools	Calculator and Unit
Setting	Volume, backlight, language, date& time, calibration, FM transmitter and system info

Chapter II GPS

Various navigation mapping applications can be installed in the GPS navigator, such as CARELAND and RITU intelligent navigation systems, which position the navigator via the satellite receiver and display it on the map. Set a destination, and the system will automatically work out the best path to help the user reach the destination safely and quickly.

2.1 Map

Due to transportation development, inconformity between products and real traffic information will occur a period after product release. Please drive according to road condition and abide by traffic regulations.

2.2 Navigation

Navigation paths are for reference only, and the user may decide whether to follow them.

2.3 Reception

High and crowded structures (such as inside of tunnels, space between high buildings, underground car parks and under viaducts), weather change or satellite signals turnoff may influence signal reception, resulting in positioning failure, inaccurate positioning, navigation failure or system function abnormality. With stereoscopic maps, instant animation, voice prompt and text prompt of the navigation system, you will appreciate its unique charm and enjoy a great trip. Different navigation maps may have different operation methods. Please follow instructions of corresponding navigation mapping applications.

[Note] Before using the GPS navigator, please purchase and install mapping applications and appoint file paths. For setting methods please refer to 6.10 *Setting Navigation Path*.

Chapter III Media

The Media function include the music player, video player, photo browser, e-book reader and flash player.

3.1 Music Player


This section introduces the usage of the music player.

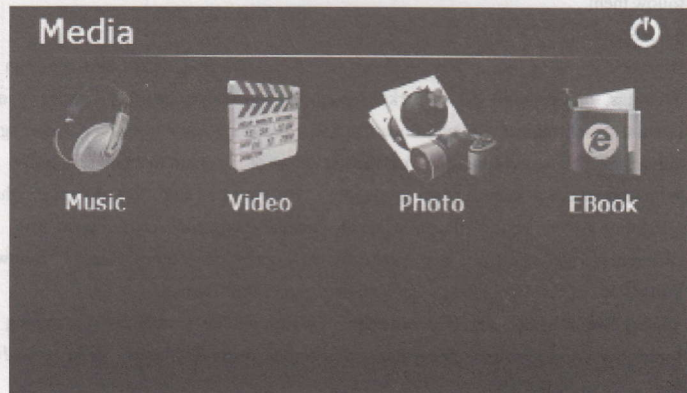
3.1.1 Features

The music player supports WMA9 and WAW files and selection of play sequence.

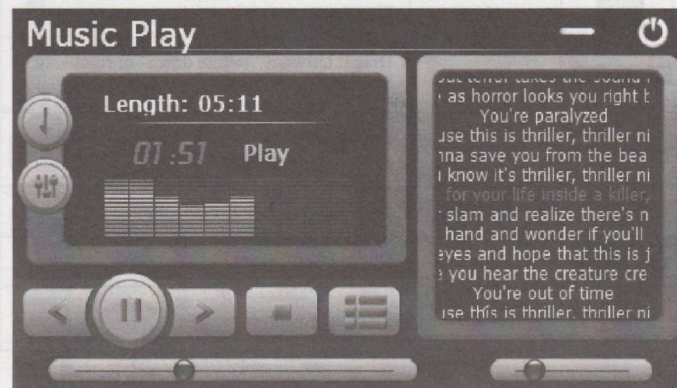
Copy audio files to a folder in your memory card before using the player.








3.1.2 Interface and Operation







Tap  in the system main interface to enter the **Media** interface as shown below.




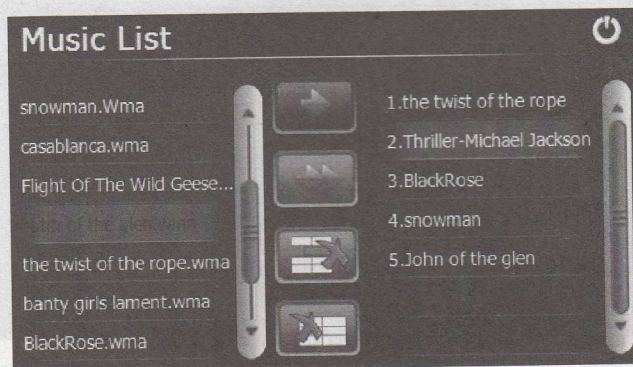
Tap  to enter the **Music Play** as shown below.









Icon	Name	Explanation
	Close	Close the music player.
	Minimize	Minimize the music player and return to the Media interface.
	Play music.	Continue playing the paused/ stopped
	Pause	Pause the music being played.
	Stop	Stop the music being played.
	Set play sequence	Select sequence, random or cycle play.
	Previous	Play the previous music.

	Next	Play the next music.
	Volume	Drag it leftward to turn down or rightward to turn up the volume.
	Progress	Drag it leftward or rightward to play from a previous or future moment.
	Music list	Enter it to select music to play.
	Time	Display the run time.
	Equalizer	Enter the equalizer.

Tap  in the interface **Music Play** to enter the **Music list** shown as below.



Icon	Name	Explanation
	Close	Close the Music List

	Scroll bar	Drag it upward/ downward to view all music.
	Add one	Add a piece of music on the left list to the play list on the right.
	Add all	Add all the music on the left list to the play list on the right.
	Delete one	Select one piece of music in the play list and tap the icon to delete it.
	Delete all	Delete all the music in the play list.


3.2 Video Player

This section introduces the usage of the video player.








3.2.1 Features


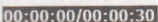
The video player supports WMV, ASF and AVI files, full-screen play, progress selection and file selection. Copy video files to a folder in your memory card before using the player.


3.2.2 Interface and Operation

Tap  in the Media interface to enter the video player interface shown as below.






Icon	Name	Explanation
	Close	Close the video player.
	Previous Film	Play the previous film.
	Play	Continue playing the paused/ stopped music.
	Next film	Play the next film.
	Stop	Stop the film being played.
	Video folder	Enter it to select a film to play.
	Progress	Drag the sliding block leftward to play from a previous moment or rightward coming moment.

	Volume	Drag it leftward to turn down or rightward to turn up the volume.
	Time	Display the play time and the music duration.

Tap  in the **Video Player** interface to enter the video folder shown as below .



Icon	Name	Explanation
	Close	Close the video folder.
	Scroll bar	Drag the sliding block upward/ downward to view all the files inside the folder .
	Film name& format	Film name and its format

3.3 Photo Browser


This section introduces the usage of the photo browser.

3.3.1 Features

The photo browser supports JPG, GIF, BMP and PNG files, photo rotation, zoom in/ out and auto play.









Copy photos to a folder in your memory card before using the browser.


3.3.2 Interface and Operation

Tap  in the Media interface to enter the photo browser interface shown as below.






Icon	Name	Explanation
------	------	-------------

	Previous	View the preview photo in the folder.
	Next	View the next photo in the folder.
	Zoom in	Scale up current photo.
	Zoom out	Scale down current photo.
	Rotate	Rotate current photo 90° clockwise.
	Auto play	Cycle play all the photos in the folder from current photo.
	Folder	Enter the photo folder to select a photo.
	Close	Close the browser and return to the Media interface.

Tap  in the browser interface to enter the photo folder shown as below.



Icon	Name	Explanation
	Close	Close the current folder.
	Return	Return to the previous folder.
	Scroll bar	Drag the sliding block to view all the photos.

3.4 E-book Reader


This section introduces the usage of the E-book reader.

3.4.1 Features

The reader supports TXT files, page turn and folder selection.

Copy TXT files to a folder in your memory card before using the browser.

3.4.2 Interface and Operation

Tap  in the **Media** interface to enter the reader interface shown as below.







BOOK3.TXT




He had stopped his pacing, his eyes moving over Ron.


"Do you think I could have a look at the rat?" he said evenly.

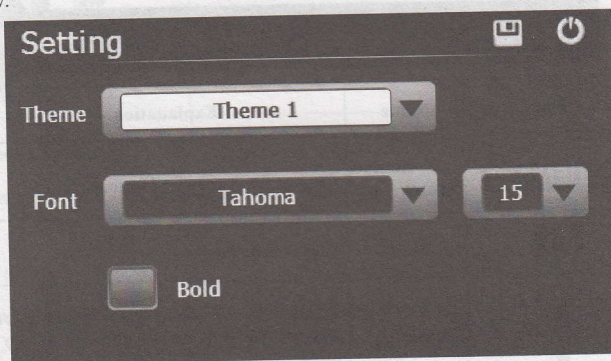
"What?" said Ron. "What's Scabbers got to do with it?"










Icon	Name	Explanation
FUCHEN.TXT	File name& format	Current file name and format.
	Close	Close the reader.
	Scroll bar	Drag the sliding block upward/downward to view all content of the e-book.
	Folder	Enter the e-book folder to select an e-book to read.
	Previous	Read the previous page.
	Next	Read the next page.
	Setting	Select a text theme, font, word size and bold type.


	New bookmark	Select partial text and tap the icon to create a bookmark.
	Bookmark list	Enter the bookmark list to select or delete a bookmark.
	Page/ total pages	Current page/ total pages

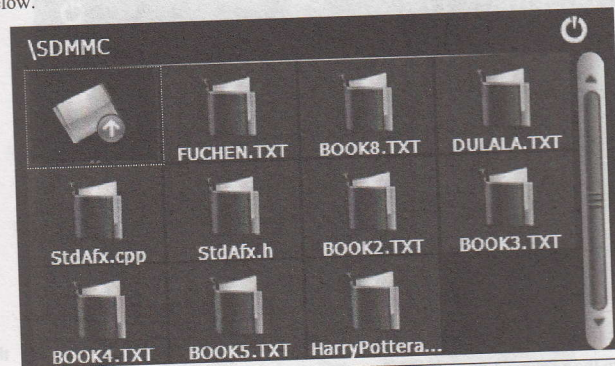
Tap  in the e-book reader interface to enter the setting interface shown as below.










Icon	Name	Explanation
	Close	Exit the setting interface
	Save	Save the setting.
	Theme	Tap  to select a theme for the e-book.
	Font	Tap  to select a font for the e-book.


	Bold	Tap to enable bold type. Tap it again to cancel.
--	------	--

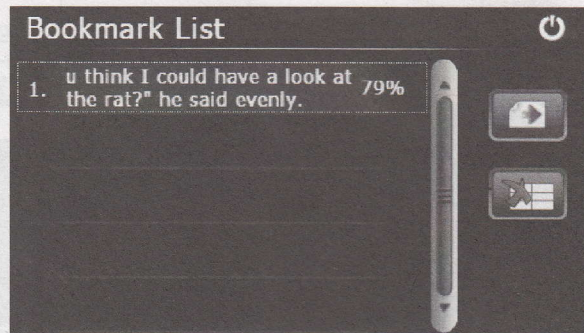
Tap  in the e-book reader interface to enter the e-book folder shown as below.





Icon	Name	Explanation
	Close	Close current folder
	Return	Return to the previous folder.
	Scroll bar	Drag the sliding block upward/ downward to view all TXT files.
	File name& format	The file name and format.

To create a bookmark, locate a page by tapping  or  or dragging the scroll bar in the reader interface and drag to select text content. Tap  when it is on. Tap **OK** to finish.

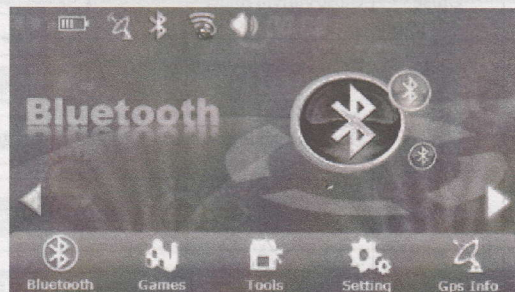
Tap  to view created bookmarks in the interface of **Bookmark List** shown as below.



Drag the scroll bar and select a bookmark on the left list. Tap  to go to the page with the bookmark or tap  to delete the bookmark

3.5 Bluetooth


Tap the icon "Bluetooth" on the main menu and enter into following interface.

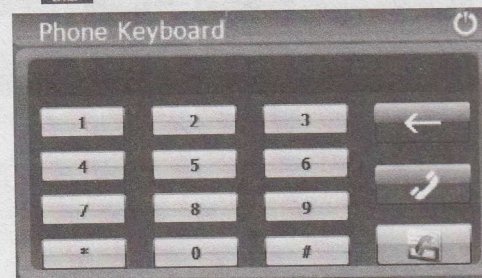



Tap the icon A or B or C on the main menu again and enter into following interface




3.5.1 Dial

Tap the icon  on the Bluetooth menu and enter into the following interface.



 : return to the Bluetooth menu


 : backspace

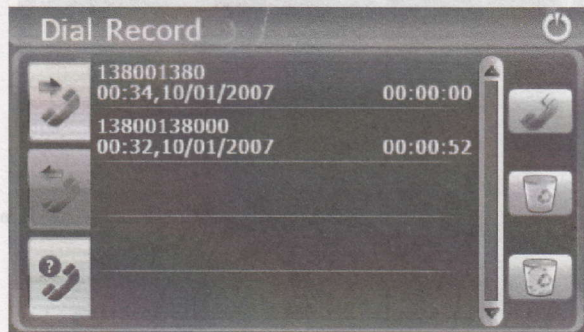
 : pair and connect with the mobile you want



: call Record

3.5.2 Dial Record

Tap the icon  on the Bluetooth menu and enter into the following interface.



: return to the Bluetooth menu



: connect with the mobile you want



: delete the recorded number you chose



: delete all the call records



: incoming call record



: outgoing call record



: missed call record




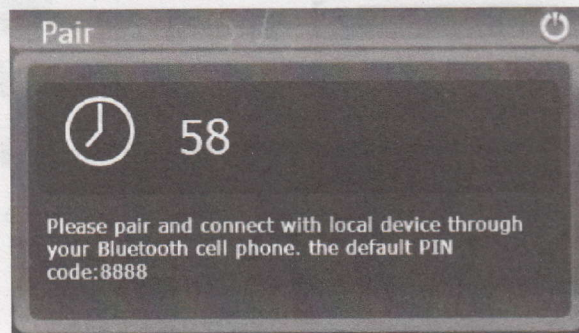
: previous




: next

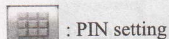
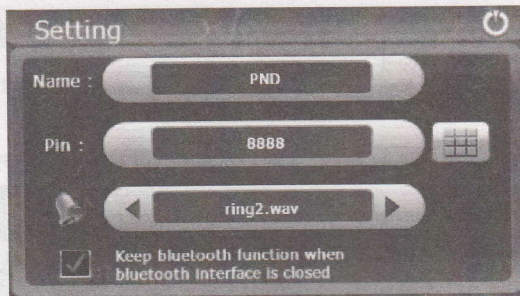
3.5.3 Pair

Tap the icon  on the Bluetooth menu and enter into the following interface.



3.5.4 Setting

Tap the icon  on the Bluetooth menu and enter into the following interface

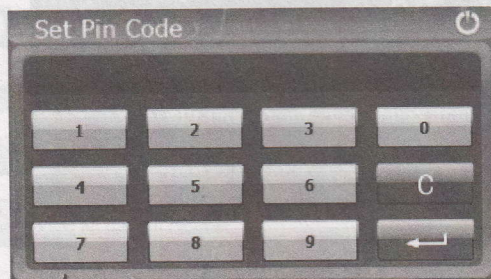


: PIN setting




: music selecting

Tap "IN" setting button and enter into the following interface.



3.5.5 Pair Devices

Tap the icon  on the Bluetooth menu and enter into the following interface.



: return to the Bluetooth menu



: connect the Devices you chose

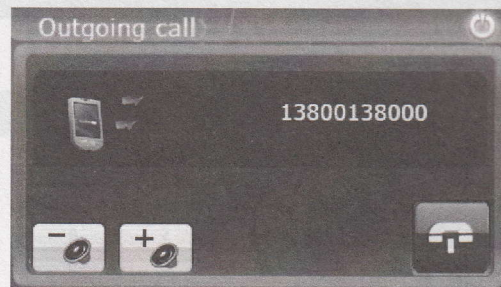


: disconnect the Devices you chose



: delete all the Devices information

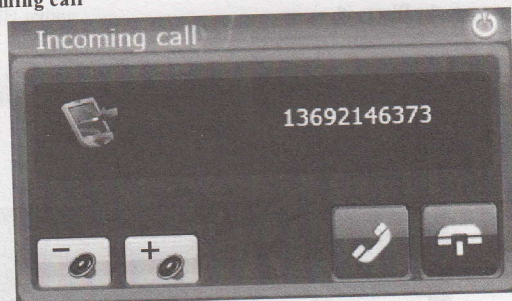
3.5.6 Outgoing call



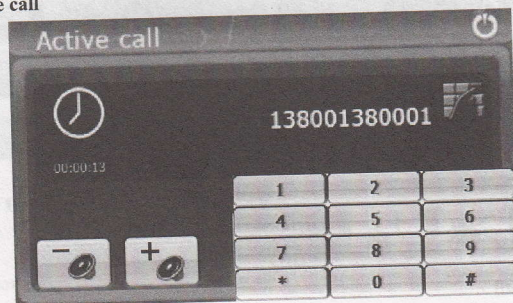
3.5.7 call fail



3.5.8 incoming call





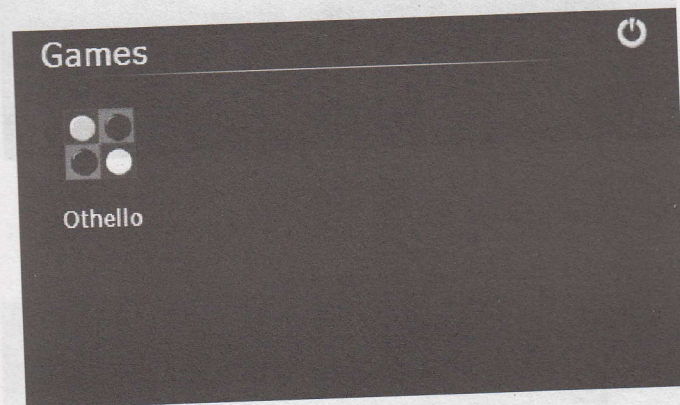
3.5.9 active call




Chapter IV Games

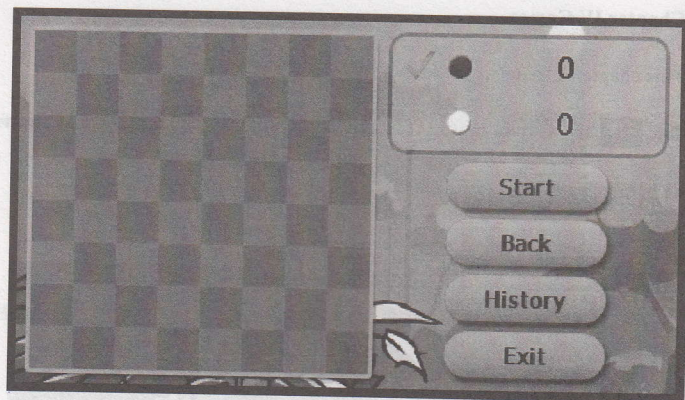
This chapter introduces the usage of Games.

Tap  the system main interface to enter the games interface as shown as below. Tap  to exit.





4.1 Othello

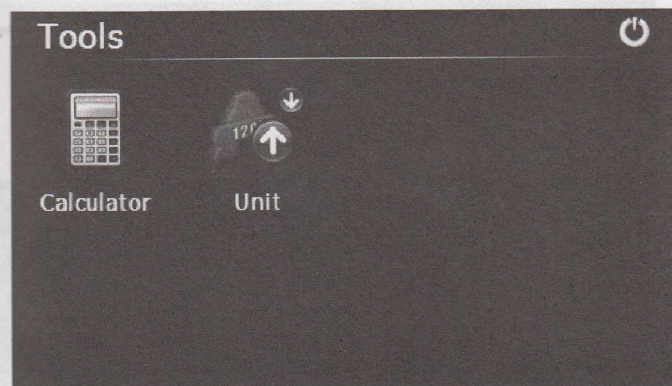
Tap  in the Games interface to enter the interface as shown below.




Chapter V Tools

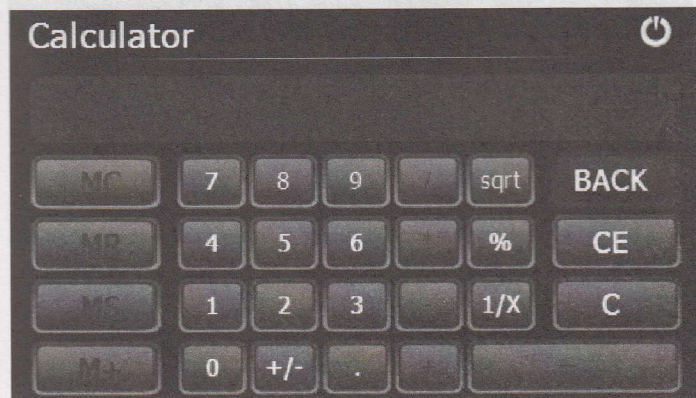
The tools include Calculator and Unit conversion.

Tap  in the system main interface to enter the tools interface as shown below. Tap  to exit.




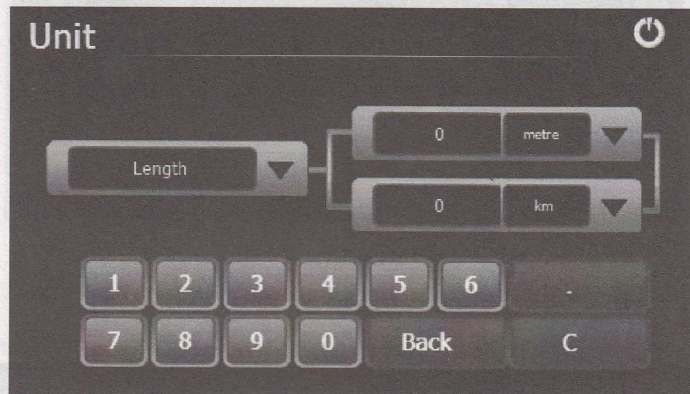
5.1 Calculator

Tap  in the Tools interface to enter the calculator interface as shown below.



5.2 Unit


Tap  in the **Tools** interface to enter the unit converter interface as shown below.



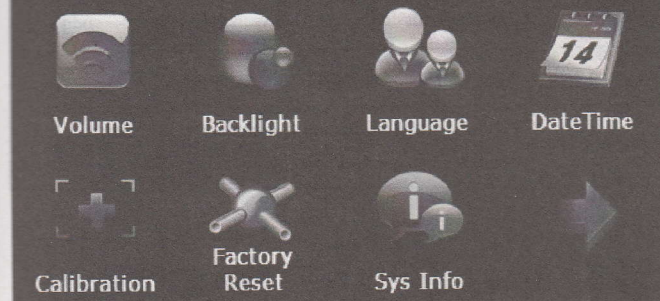
Chapter VI Setting

6.1 Summary

This chapter introduces the setting of the GPS navigator.

Tap  in the system main interface to enter the setting interface to set volume, backlight, language, date & time, calibration, factory reset, system info, USB and navigation path.


System

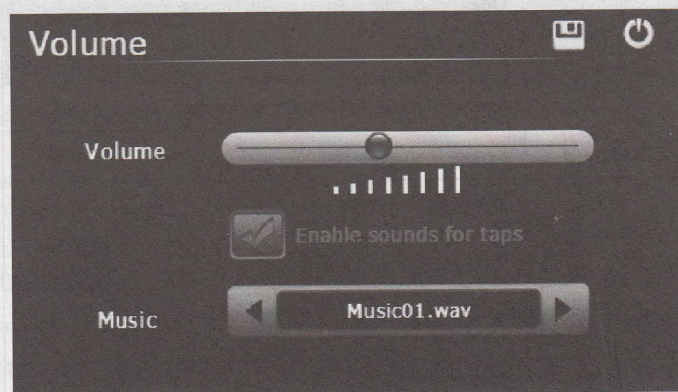




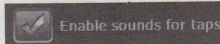
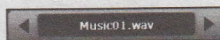


Function	Explanation
Volume	Adjust the speaker volume; Open/ close the startup music setting
Backlight	Adjust the brightness of touch screen backlight; Latency of auto backlight turnoff under power supply.
Language	System language selection
Date & time	System date setting; System time setting; System time zone setting;
Calibration	If deviation occurs while touching the screen, calibrate the screen.
Desktop	Switch between the GPS interface and WINCE system interface.

FM Transmitter	Transmit audio signals of the navigator to radio sets.
USB setting	Data transmission mode between the navigator and PC.
Navigation path	Select a document path for the navigator.
System info	Display system information including ROM version, software version, OEM version, platform ID and device ID.

6.2 Volume


Tap  in the setting interface to enter the volume setting interface as shown below.

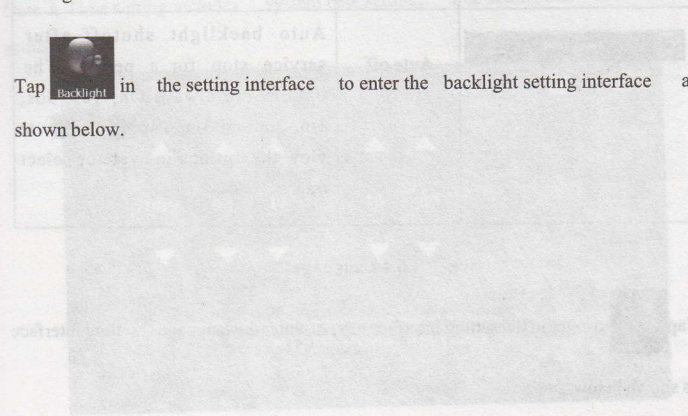


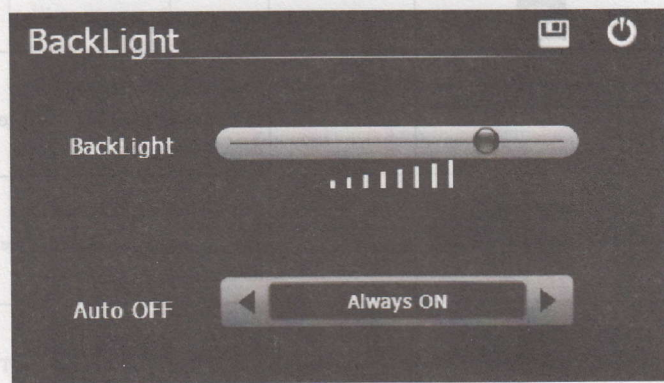
	Close	Exit the volume setting.
	Volume	Ten volume grades (from mute to maximum) available. Tap to decrease the volume by grade.
	Sounds for taps	Tap it to enable the function. Tap it again to disable the function.
	Power-on music	Tap  or  to select power-on music or disable it.



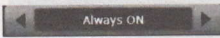
6.3 Backlight

Backlight setting includes backlight brightness adjustment and latency of backlight off.


Tap  in the setting interface to enter the backlight setting interface as shown below.

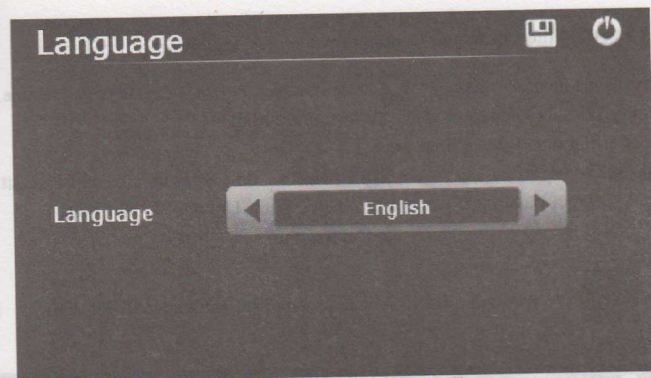





	Close	Exit the backlight setting.
	Backlight	Drag leftward to turn down or rightward to turn up the backlight.
	Auto off	Auto backlight shutoff after service stop for a period. The options are always On, 10s, 30s, 1m, 2m and 3m. Tap ◀ or ▶ to view the options in cycle or select one.


6.4 Language

Tap  to enter in the setting interface to enter the language setting interface as shown below .

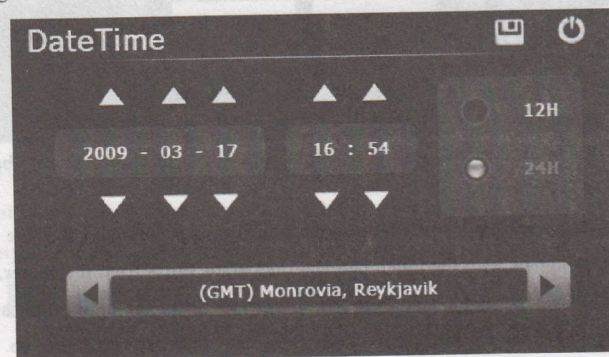


Tap ◀ or ▶ to select a system language and tap  to save the selection.



6.5 Date & Time

Tap  to enter in the setting interface to enter the language setting interface as shown below.

Date & Time setting includes system date setting, time setting and time zone setting.





6.5.1 Setting the system date and time


In the above interface, tap  or  to set the year, month, day, hour and minute.

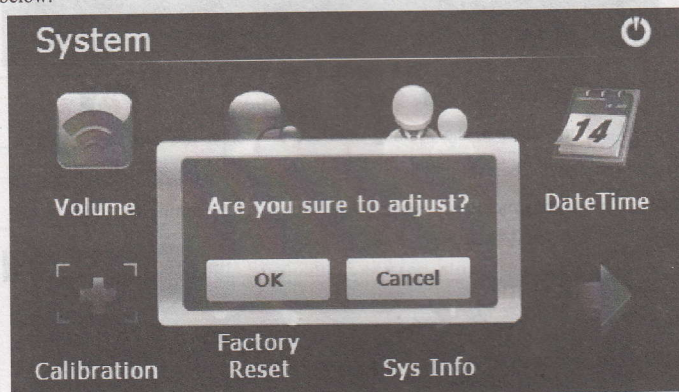
[Note]: Time format options are 12-hour and 24-hour .

6.5.2 Setting the system time zone

In the above interface, tap  or  to select a time zone. For example, select “(GMT+08:00) Beijing, Chongqing, Hong Kong, Urumqi ” for China.

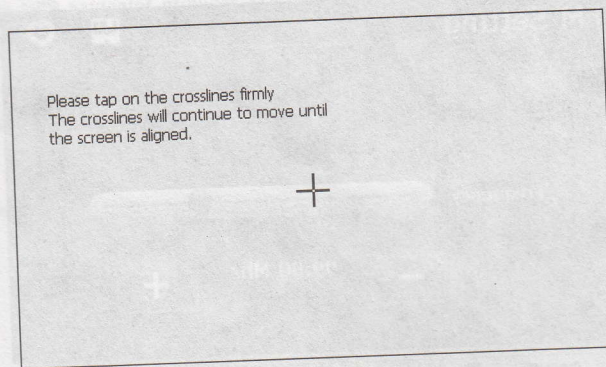
6.6 Calibration

Tap  in the setting interface to prompt the calibration dialog shown as below.




Tap **OK** to execute calibration or **Cancel** to cancel calibration and go back to the setting interface.

Tap **OK**, and the following calibration interface is prompted. Click the center of cross cursor with the touch pen and the cursor shifts from the center, upper left, lower left, upper right and lower right to finish the calibration and the interface will be closed automatically to go back to the setting interface.




6.7 FM Transmitter*

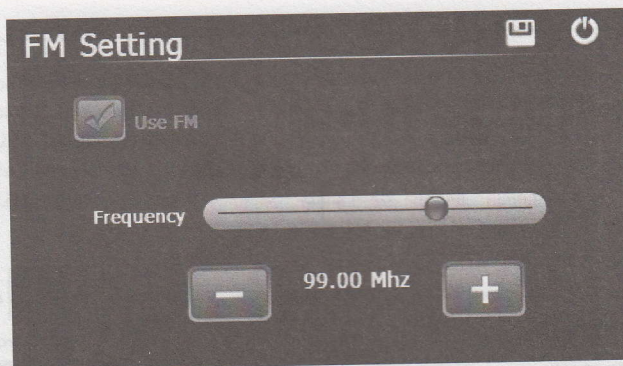
FM transmitter realizes transmission of audio signals of the GPS navigator to radio sets. Adjust the emission frequency of the GPS navigator the same as that of the receiving frequency of the radio, and sounds of the navigator will be output by the amplifier system of the radio sets.

Tap  in the setting interface to enter **FM Setting** shown as below

6.7 FM Transmitter*

FM transmitter realizes transmission of audio signals of the GPS navigator to radio sets. Adjust the emission frequency of the GPS navigator the same as that of the receiving frequency of the radio, and sounds of the navigator will be output by the amplifier system of the radio sets.

Tap  in the setting interface to enter **FM Setting** shown as below.



	Close	Exit the FM Setting.
	Save	Save current setting.
	Use FM	Tick in the box to enable FM function.
	Frequency	Drag the slide block rightward (or tap to increase the frequency and leftward (or tap to reduce the frequency. The frequency range is 88.00 Mhz-108.00 Mhz.

6.9 USB Setting

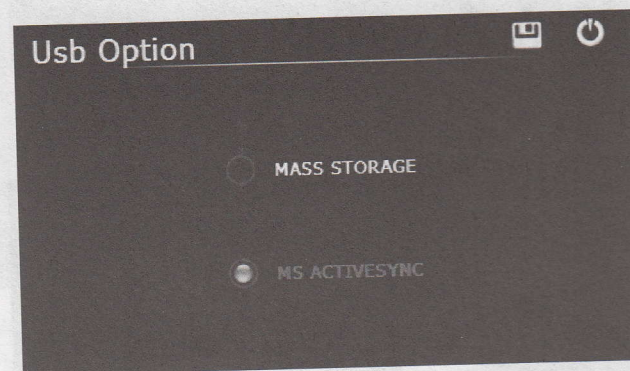
Connect the GPS navigator to PC via the MINI USB port to transmit data, or back up data from the navigator data to PC.

The GPS navigator provides MASS STORAGE and MS STORAGE modes. Select one in the USB setting.

6.9.1 MASS STORAGE

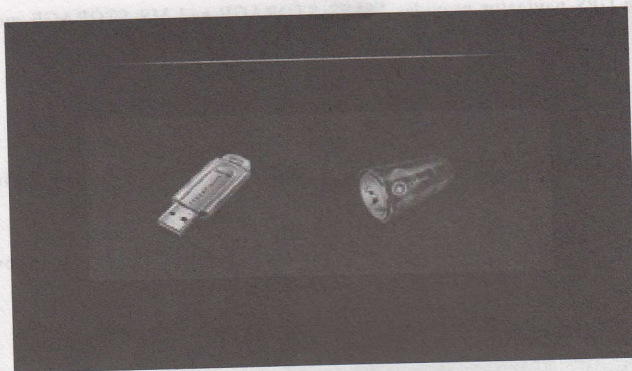
1. Have the GPS navigator in operation status and the SD card plugged in the slot;


2. Tap in the setting interface to enter **USB Option** as shown below.

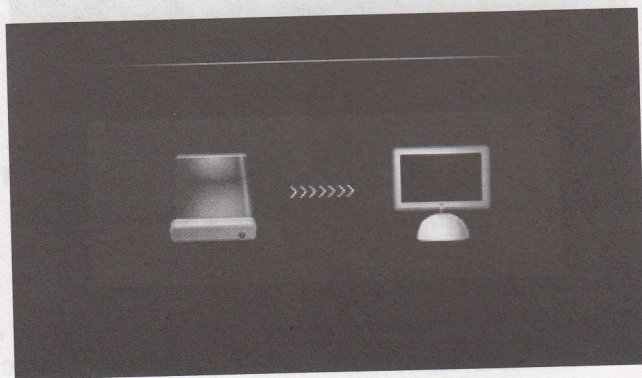



Select **MASS STORAGE** and tap to save it.

3. Connect the MINI USB terminal of the USB cord to the MINI USB port of the GPS navigator and the standard USB terminal to the USB Host port of PC. Then, the navigator stop the current program and switch to the following interface.




4. Select  to connect the GPS navigator to PC. The PC will recognize the navigator and prompt the following interface.

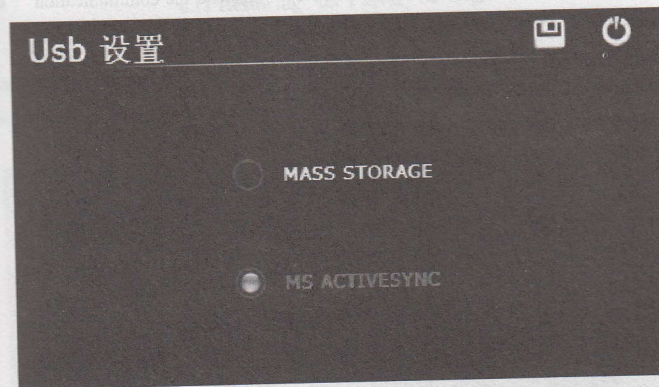



You may select  to enter USB charging mode and the system main interface

5. After communication, unplug the MINI USB cable.

6.9.2 MS ACTIVESYNC

1. Tap  in the setting interface to enter USB Option as shown below



Select **MASS ACTIVESYNC** and tap  to save the setting.

2. Install the application **Mobile Device** in a drive of PC. Then the following icon will appear in the drive selection.



Mobile Device

3. Connect the MINI USB terminal of the USB cable to the MINI USB port of the GPS navigator and the standard USB terminal to the USB Host port of PC.
4. After the PC finds new hardware, double click the Mobile Device drive in the

selection area to enter the memory of GPS navigator for data transmission.

5. After transmission, unplug the USB cable.


[Attention] For data safety back up the navigator data

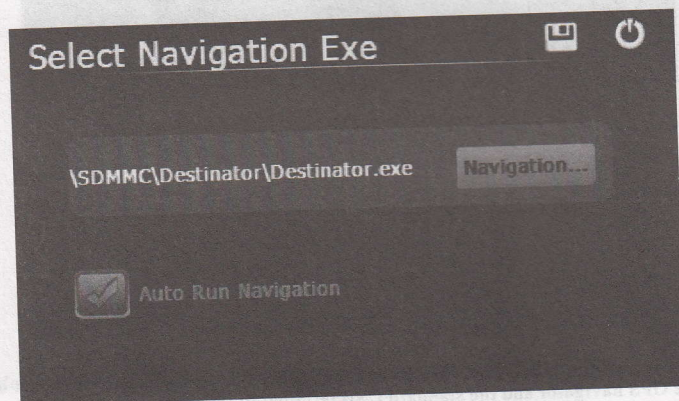
[Note] If MASS STORAGE is selected while the GPS navigator is connected with PC, other operations will be suspended.


[Attention] The following operations will stop suspend the communication of the system and PC and unsaved data will be lost.



1. Unplugging the MINI USB cable;
2. Powering off the GPS navigator;
3. Resetting the system;
4. Tap the on close button on the top right.

6.10 Navigation Path


Insert a T-flash card with map data into the GPS navigator and tap  to enter the interface shown as below.

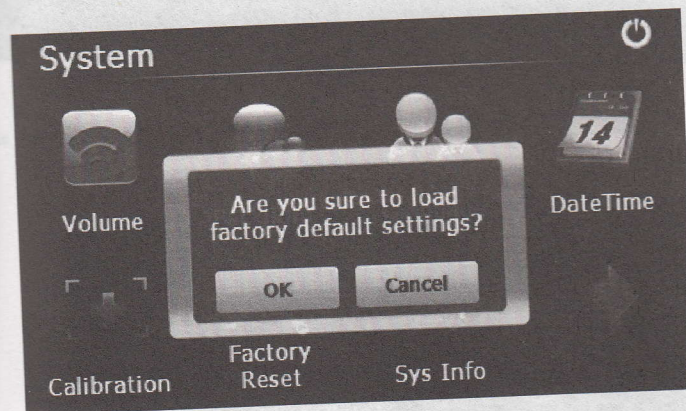


Select a map address and tap  to save the setting.

	Tap to select a map address.
 Auto Run Navigation	Tick in the box to run the set navigation map when the navigator is powered on.


6.11 Restoring the Factory Setting

Tap  in the setting interface to restore the factory setting. The following dialog will be prompted.



Tap **OK** to restore the default setting or **Cancel** to return to the setting interface.

6.12 System Info


Tap  in the setting interface to view the system information as shown below.

SystemInfo

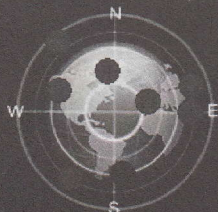
RomVersion : 82A.YF.5.A.0312
Software Version: V3.6.3.17
OEM Info: YFAtlas4
Platform ID: 5955414E46454E47
Device ID: 0000000000000000
SDCard ID: 996E3D2C



Chapter VII GPS Info

Tap  on the system main interface to view the GPS information as shown below.


GPS Information



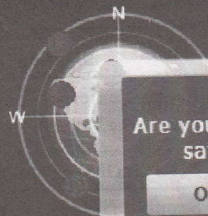
SignalState:Invalid
Latitude:22.540922
Longitude:113.947225
Altitude:78.126000
UTC:2009/3/18 0:50:35
TotalSatellites:8
SatellitesInUse:0
Speed:0.000000 km/h

17

284 10121317232

Tap  to prompt a dialog as below.

GPS Information



SignalState:Invalid
Latitude:22.540922
Longitude:113.947225
Altitude:78.126000
UTC:2009/3/18 0:50:47
TotalSatellites:8
SatellitesInUse:0
Speed:0.000000 km/h

Are you sure to reset GPS
satellite receiver?

OK

Cancel

17

284 10121317232

Tap **OK** to reset the GPS satellite or tap **Cancel** to exit.

Chapter IX Troubleshooting

Please carry out the following operations in case of abnormal operation of the GPS navigator. For further problems, please contact our customer service center.

Fault	Reason	Solution
Startup failure	Low battery	Supply external power and charge the battery.
	System down	Reset the GPS navigator.
Sudden power cut	Low battery	Supply external power and charge the battery.
No/ vague display	Low backlight	Turn up the backlight.
	Backlight off	Tap the screen with the touch pan.
Incorrect tappingresponse	Touch screen not calibrated	Recalibrate the screen.
No sound	Low volume	Turn up the volume.
	Poor contact of earphone	Connect the earphone
Communication with PC	Poor USB connection	Connect the USB cable.
GPS signals reception failure	Poor GPS signal	About 3 minutes are needed for low intensity of local GPS satellite signal.
Loss of map data	Accidental deletion	Contact your agent or distributor. Input a new password after recovering the GPS data.

CAR ELECTRONICS NAVIGATION SYSTEM



Digital Video Recorder



Radar Detector



Reversing Camera



Bluetooth for Handfree

REAR VIEW MIRROR GPS



CE FCC ROHS



professional car electronics system