NESA

Relax... Enjoy the Ride! ®

NSR-N43
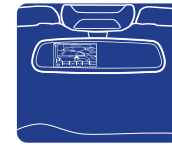
Navigation mirror
User manual

www.neltronics.com.au

N277

Table of contents

Chapter one: Introduction

Main features

Operating system: Microsoft window CE 6.0.

4.3 Inch ultra-high brightness display with resolution of 480×272 pixels.
Built-in speaker, volume adjustable.

Automatic fade-out hotkeys and touch-screen operation.
Built- in sensitive GPS antenna.

The navigation software runs from the Micro SD card directly.

Back-up camera display and adjustable guide line

Automatically brightness adjustment

Specification

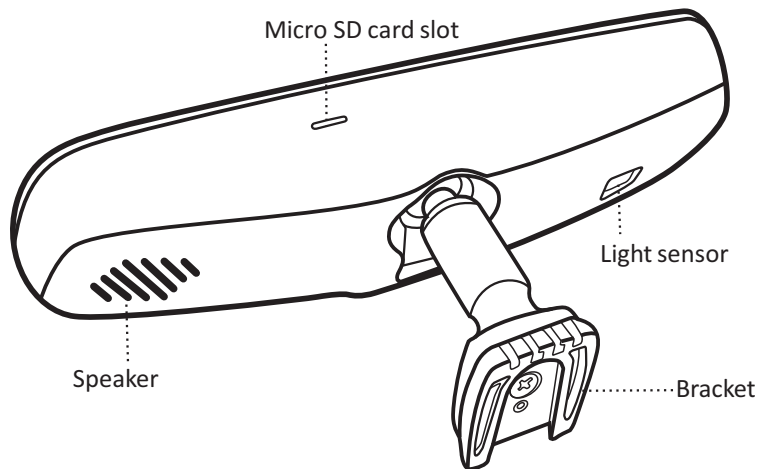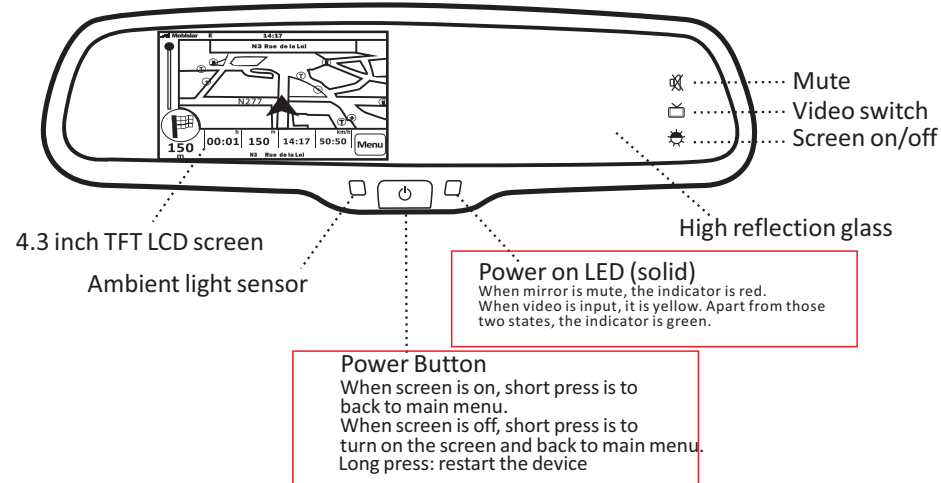| CPU	MSB2531 ARM cortex A7 800MHz
Flash	128MB
Memory	128MB
Temperature	Operating Temperature: 0℃ to 60℃ Storage Temperature: -20℃ to 60℃
Working humidity range	45% to 80% RH
Storage humidity tange	30% to 90% RH
Atmospheric pressure	86KPa to 106Kpa
GPS	Cold start : <42s ; hot start < 3s(in the open area)
Micro SD Card	The Maximum capacity of Micro SD card supported to 32GB

Package

The box contains the following accessories, please confirm:

● Rearview mirror GPS navigator

● Micro SD card

● Wire harness

● User's manual

● Car bracket

For the items listed above, please confirm the actual products. If any damage,
Please contact with the distributor or the agent as soon as possible.

Please read this user's manual carefully

Product introduction

Mute
Video switch
Screen on/off

High reflection glass

4.3 inch TFT LCD screen

Ambient light sensor

Power on LED (solid)
When mirror is mute, the indicator is red.
When video is input, it is yellow. Apart from those
two states, the indicator is green.

Power Button
When screen is on, short press is to
back to main menu.
When screen is off, short press is to
turn on the screen and back to main menu.
Long press: restart the device

Micro SD card slot

Light sensor

Speaker

Bracket

Chapter two: Installation and wiring

How to install GPS Mirror

Remove the original mirror

Different cars have different brackets, depending on your vehicle make
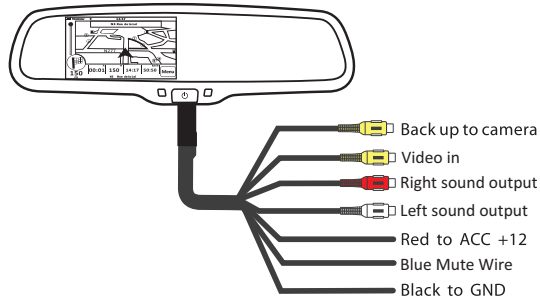and manufacturer.
There are many methods for removing the original rear-view mirror, however
please don't force the mirror off the bracket. The manufacturer will not be
responsible for damage caused to your vehicle as a result of installation of this
mirror monitor.

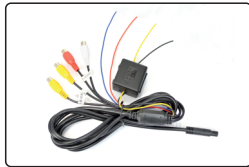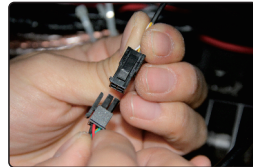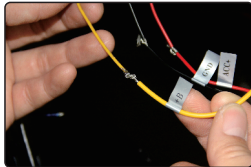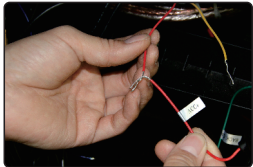### Install GPS mirror monitor on the base

2

3
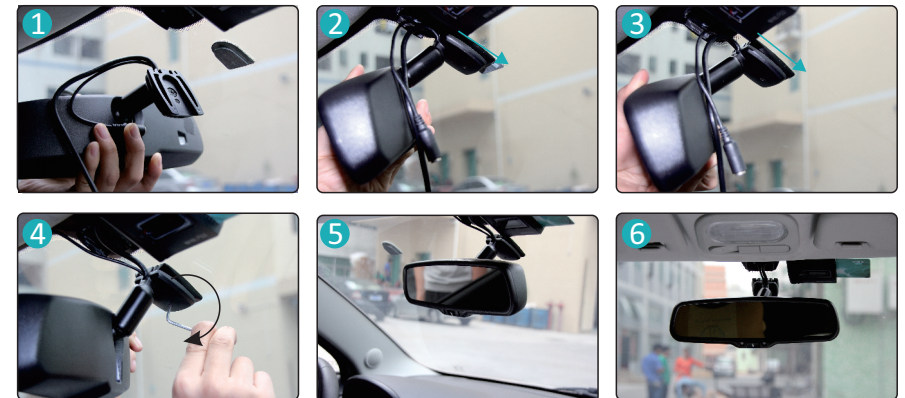
How to wire

After the mirror is mounted, you need to run the cable along the roof lining and down the pillar so you can connect to Power and the rear view camera

Back up to camera
Video in
Right sound output
Left sound output
Red to ACC +12
Blue Mute Wire
Black to GND

GPS rearview mirror monitor   GPS mirror monitor cable

Micro SD card

The Micro SD card contains the navigation software, map .

Note:
Please do not take out the Micro SD card when the system is on. When inserting the Micro SD card pay attention to the right derection. If you insert the card improperly, you will damage the Micro SD card.

Chapter Three: Adjustable guide line

About guide line

Generally, to help drivers estimate the distance from obstacles, there are three lines for reference -red, yellow and green. Those three lines are displayed on the monitor when car is reversing. The green line is 3m from the back of car and the yellow line is 2m. The distant red line is 1m from the backside of car while the closed red line is 0.4m. Both reference lines on the left and right should leave 0.2m space from the car.

3M

2M

20CM   20CM

1M

0.4M

4

5
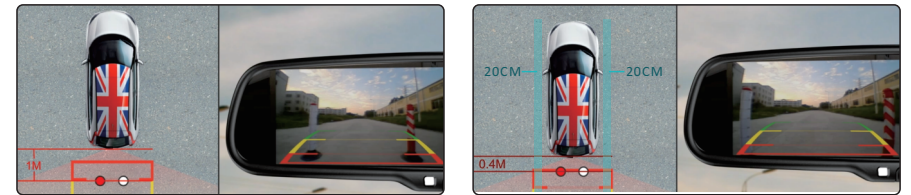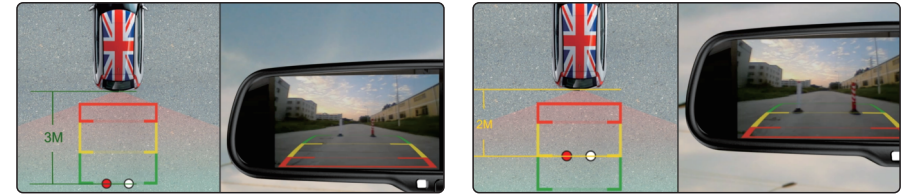
## What the regular guide line is

Regular guide line is fixed. But installation sites of cameras are different as well as car size. The fixed guide line is not accurate enough for drivers. There will be a great difference between regular and fixed guide lines and car's real guide lines, especially when camera is mounted on the left or right side of car backside. It may cause accidents.
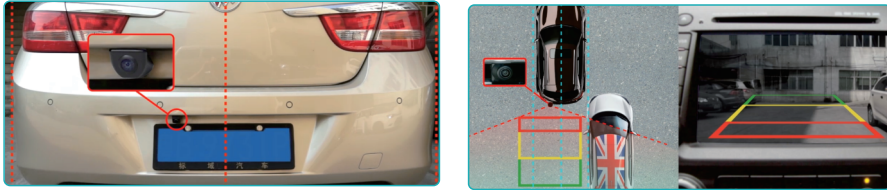
How to adjust the guide line

According to the site of standard reference line, we can put reference objects such as desks in the back area of car. Compared with the marked reference objects, we can adjust the sites and angle of two guide lines displayed on the monitor. You will get the accurate and safety guide lines once they coincide with the reference objects.

Long press seng buon is to enter into "guide line adjustment" mode. The upper half of the remote is to adjust le guide line while the boom half of the remote is to adjust the right one. The up, down, le and right buons are to adjust the locaon of guide lines. The clockwise rotaon contra rotaon buons are to adjust the angle of guide lines. It is easy to operate and calibrate.

Left guideline rotaon

Right guideline rotaon

Left guideline move

Right guideline move
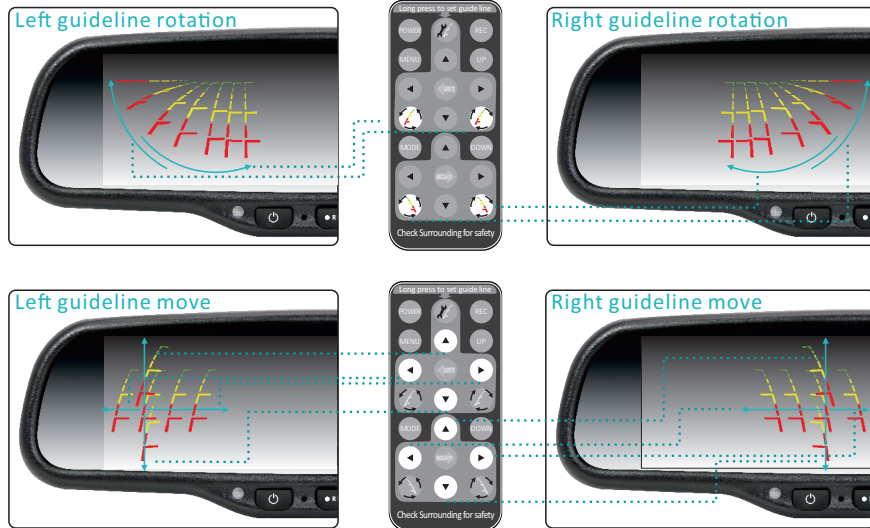
Chapter Four : Primary Function

The main interface

Main menu

Click the top le corner of the interface [icon] Desktop display the date, show in Figure 4-2
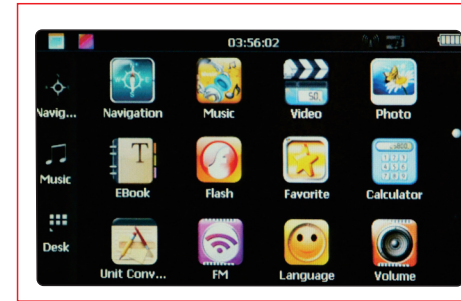
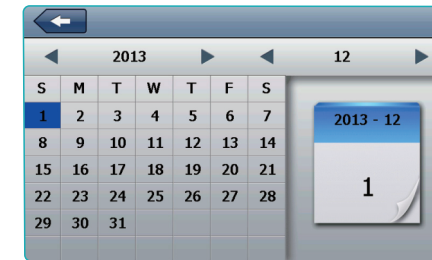
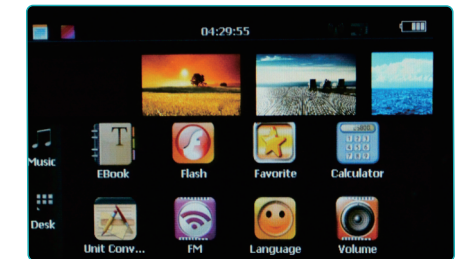4-1   4-2

Double-click the date icon [icon] enter the date seng interface, show in figure 4-3

Click the top le corner of the interface [icon] change the desktop display background , show in figure 4-4

4-3   4-4

Click the le buon [icon]   quick access to navigaon map

Click the le buon [icon]   open audio player

Click the le buon [icon]   rapid deployment desktop applicaon

Functions

Navigation	Provide navigation service
Video player	Support ASF, AVI, WMV, 3GP, MP4 and FLV format. Support progress adjust, pause and full screen play
Photo viewer	Support JPG, BMP and PNG format. Support photo rotate, enlarge/reduce pictures, automatic play and so on
E-book	Text format: txt. Support page selection
Audio player	Audio format: WMA, Mp3. Support random playing, sequential playing, repeat playing, pause, previous/next, volume
Setting	Brightness, Volume, Languages, Power, Time, System, Default, GPS Info, Navipath.

Navigation functions and features

Please see User Guide PDF stored on the supplied Micro SD Card.
Or to download, please go to
http://ndrive.com/sites/default/files/UG_V11_PND.pdf

Video operation Interface

Functions and features

Support ASF, AVI, WMV, 3GP, MP4 and FLV
Support full-screen playing, progress choosing and file selecting.
Before using the Video player, please copy your video file(ASF, AVI, WMV, 3GP, MP4 and FLV) to any folder

Operation：
Single click the Video button [icon] to enter the video file list as the picture 4-5

Video File List 4-5

Video File List 4-6
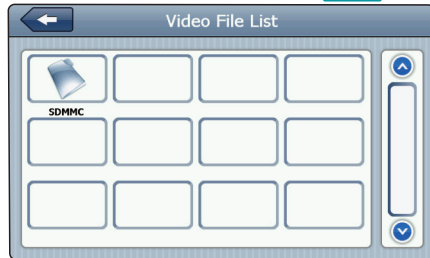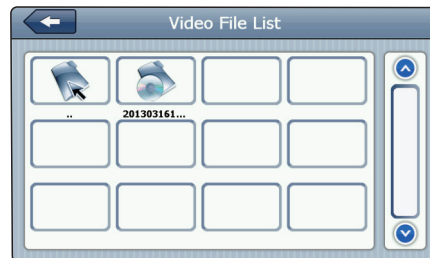
[icon]	Close	Single click to close current file.
[icon]	Last	Show last page
[icon]	next	Show next page
[icon]	Video folder name	Video folder name
[icon]	Video name	Show video name

Choose the video to enter the playing interface as 4-7

4-7

[icon]	Close	Click to close the video list;
[icon]	Play	It shows stop playing. Single click will continue to play.
[icon]	Next	Play next video.
[icon]	File list	Single click and shift to video file list, and then choose your favorite video.
[icon]	Volume	Single click volume. It shows volume is decreased when it shift toward left. While volume is increase when it is shifted toward right.
[icon]	Playing progress	Adjust the playing progress by slide the progress bar; go left for backwards, go right for forwards.
[icon]	Brightness adjust	Adjust brightness with stylus while moving toward left and right.

Product intruction
Installation and wiring
Adjustable guide line
Primary function
Troubleshooting Guide

|	Play interface	Full screen play. Double click to return normal play status.

Audio player operation interface

Functions and features
The audio player supports MP3 and WAV format, you could set the playing sequence as you wish. Before using the audio player, please copy the files to any folder.

Operation method
Single click the button [Music] to enter Music file list as 4-8
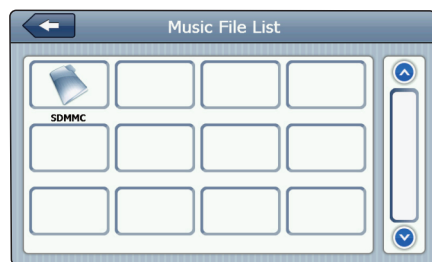
4-8   4-9

Function instruction

	Close	Close current file
	Last	Show last page
	Next	Show next page
	Song name	Show song name

Choose the song to enter the playing interface as 4-10

Groove Coverage - God Is A Girl.mp3
00:03/03:02
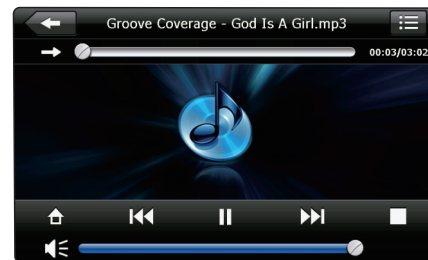
4-10

	Close	Single click to close the audio player
	Open the play list	Single click to display the play list, and choose your favorite
	Home page	Home page
	Previous song	Play the previous song
	Play / pause	To play and pause, single click to pause, click again to play continuously
	Stop	Single click to stop playing
	Next song	Play the next song
	Volume	Adjust volume. It shows volume is decreased when it shift toward left. While volume is increase when it is shifted toward right.
	Playing progress	Adjust the playing progress by slide the progress bar; go left for backwards, go right for forwards.

Photo viewer operation interface
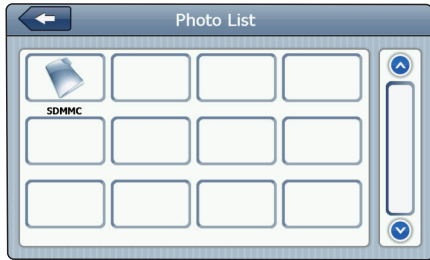### Functions and features
Supports JPG ,BMP and PNG
Support picture rotate, picture enlarge/reduce and automatic play.
Before using the photo viewer, please copy your photos to any folder.

10   11

Operation method

Single click the button ![icon] to open the photo list as picture 4-11

Photo List	Photo List
4-11	4-12

	Close	Close the photo list
	Last	Show last page
	next	Show next page
	Flie	Single click to enter the photo file

Choose the picture to enter play interface as 4-13

4-13

	Close	Click to close the viewer
	Reduce	Reduce current picture in proportion

	Enlarge	Enlarge current picture in proportion
	Previous	Show the previous picture
	Next	Show the next picture
	File list	Single click and shift to video file list, and then favorite picture
	Rotate	Click to rotate the picture by 90 degree
	Automatic Play	Play all the pictures as a slide show in full screen from the current picture

E-book reader interface and operation
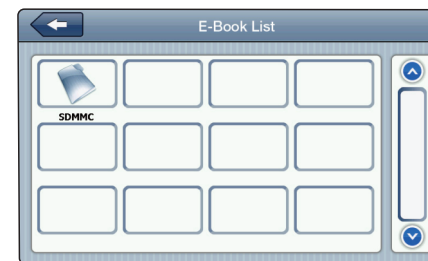
Functions and features
Support TXT
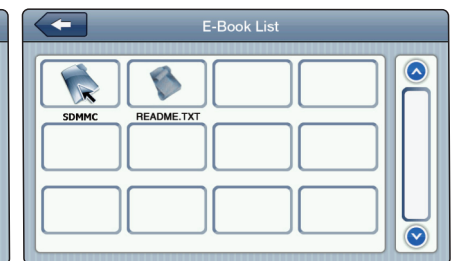Support turning over page, page browse, and file choosing.
Before using e-book function, please copy your TXT file and save it to any folder.

Operation
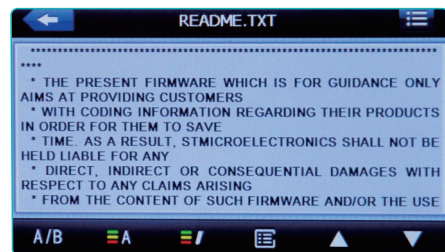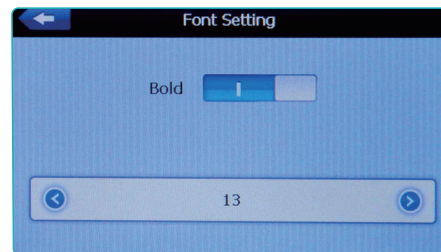Single click the button ![icon] to enter E-book list as 4-14.

E-Book List	E-Book List
SDMMC	SDMMC README.TXT
4-14	4-15

	Close	Close the current file
	Last	Show last page
	next	Show next page
	Name of file	Show name of the file

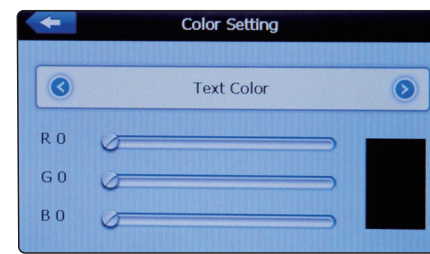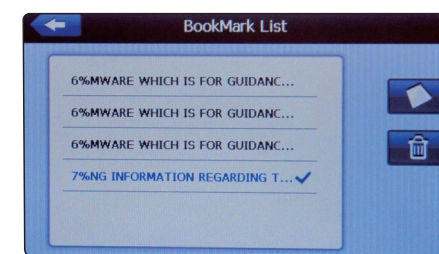Choose file name to enter e-book reader as 4-16.

| 4-16 | 4-17 |

|		
	Close	Single click and close e-book reader
	lase page	Read last page
	next page	Read next page
	file	Single click to enter E-book list to choose favorite book
A/B	font set	As 4-17
A	color set	As 4-18
	Add book mark	Bookmarks page/location of open document.
	Open book mark list	As 4-19

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| 4-18 | 4-19 |

Volume adjustment

Single click to open the volume adjustment interface as shown 4-20
"Volume adjustment" includes:
Speaker volume adjustment.
"Screen click tone" setting.

Unit conversion

Single click into Unit conversion interface as shown 4-21
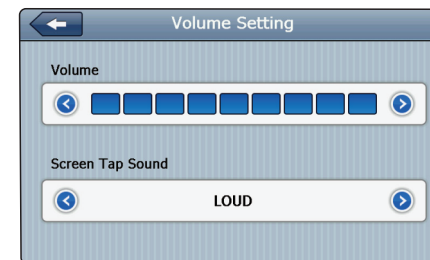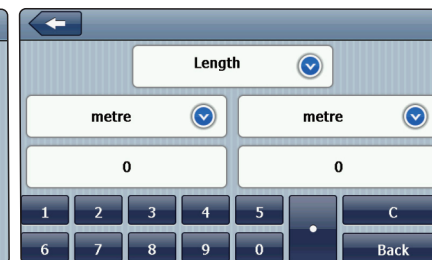
| 4-20 | 4-21 |

Screen calibration
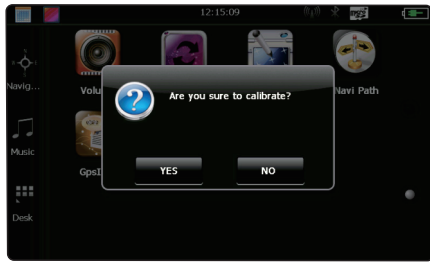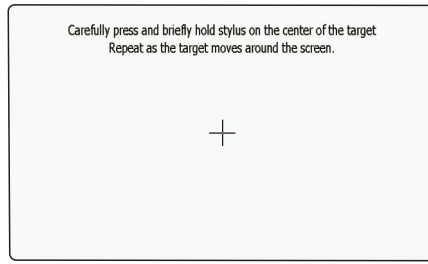
Click the to enter the screen calibration as 4-22

Click it will move from in the sequence of the center, left up, left down, right down and right up till the calibration succeed, then click anywhere on the screen to save the calibration and exit to the main interface automatically. If not save the information, please wait 30 seconds and it will exit from current interface automatically.

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4-22

4-23

Carefully press and briefly hold stylus on the center of the target
Repeat as the target moves around the screen.

Language setting

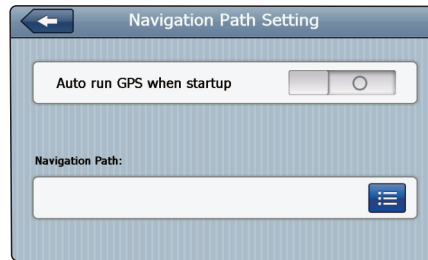Single click ![Language] to open the language settings interface as shown4-24,Language settings including System prompt language selection.
Single click language column to choose language

Navigation path

Click the ![Navi Path] set the interface into navigation path , set the default navigation paths as shown in Figure 4-25.
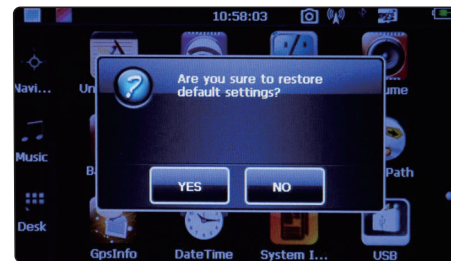
4-24

4-25

Language Setting
English ✔
Français
Deutsch
Italiano
Português
Русский

Navigation Path Setting
Auto run GPS when startup

Navigation Path:

Default set

Single click ![RestoreS...] to enter the default setting as 4-26：
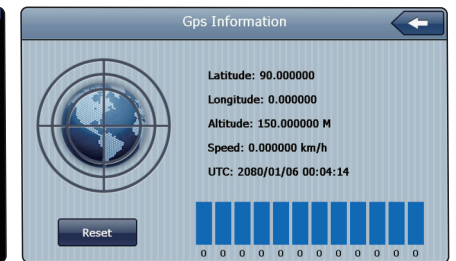
GPS information

Single click the ![GpsInfo] button and enter GPS information interface as 4-27

Chapter Five: Troubleshooting Guide

Problem	Reason	Solution
Can not display clearly	The back light is not bright enough	Adjust the back light
No response when clicking the button without sound	The touch-screen is not calibrated	Calibrate the touch-screen
	The volume in gps unit is at the lowest condition	Increase the volume
	The volume in map is at the lowest condition	Increase the volume
No GPS signal	There is interference signal around that meets the frequency of GPS signal.	Please drive away from the area where all GPS devices cannot receive signal.
The map date is lost	Received the signal slowly	Wait a moment when start the navigation page
The system gets stuck	Too many applications running	Press the button "R" or "power" reset the device
Can not read Micro SD card	Did not insert in a right direction change an other Micro SD card	Restart the product The GPS not support some low speed Micro SD card

4-26

4-27

Gps Information
Latitude: 90.000000
Longitude: 0.000000
Altitude: 150.000000 M
Speed: 0.000000 km/h
UTC: 2080/01/06 00:04:14

Reset