

USER MANUAL



Product introduction

Welcome to use the GPS navigator, which is mainly used for navigating and also has the optional function of video playing, audio playing, Bluetooth, photo viewing, and E-Book etc.

1. Package

The packing box contains the following accessories, please confirm:

 <p>1. GPS navigator</p>	 <p>2. Charger</p>
 <p>3. Bracket and cradle</p>	<p>4. MINI USB cable</p> <p>5. User's manual</p>

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 to be familiar with all the operation details and to make the GPS navigator performs well.

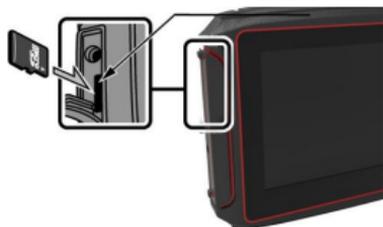
2. Introduction



1.Power button	Turn on/off the GPS navigator
2.Touch screen	4.3" TFT display with touch screen
3. Stereo jack	3.5mm Stereo Jack
4. TF card slot	Support TF card up to 16GB.
5. USB hole	USB Client 2.0, MINI USB port
6. check nut	Connect with the power
7.the hole of loudspeaker	The hole of loudspeaker
8. Reset hole	Reset

*The method of installation of the TF card

Insert the TF card face upward



3. Specification

CPU	MSTAR MSB2531
Memory	128MB DDR II , 8GB Flash
LCD display	4.3" TFT LCD display, Resolution :480RGB(H)x272(V)
Touch-screen	High-accuracy, enduring touch-screen
USB	USB Client 2.0, MINI USB port
TF	TF slot, Support TF card up to 16GB.
Audio	A: Built-in high fidelity speaker B: High fidelity stereo earphone

GPS	Cold start<35s; Hot start<2s(in the open area); Warm start<32s
Battery	Built-in rechargeable Li-battery
Battery Charging port	DC 5V port
AC Charger	100/230V charger, 5V / 1.5A
Car Charger	DC9-24V, 5V / 1.5A
Operating System	Microsoft Windows CE 6.0
Navigation Software	SD card
Video Player	ASF,AVI,WMV,3GP,MP4,FLV;
Audio Player	MP3 and WMA
Photo viewer	E-Album, JPG, GIF, BMP, PNG
EBook Viewer	TXT
System setting	[Screen adjustment] [Default set] [Volume] [Power] [Backlight] [Time and Date] [Language] [Sys Info]
Temperature	Operating Temperature : 0°C to 60°C

	Storage Temperature : -20°C to 60°C
Working humidity range	45% to 80%RH
Storage humidity range	30% to 90%RH
Atmospheric pressure	86KPa to 106KPa

Manual Instruction

1. Power supply and charge

1.1 Power supply

There are three types of supplying power: battery, adaptor, USB cable. GPS navigator uses the Li-battery to supply power when it is not connected with adaptor. The mark [] on the up right of interface indicate the current electric volume.

◆ GPS navigator uses the external power when it is connected with the motorcycle.

◆ GPS navigator uses the USB cable to supply power when the GPS connects to the PC.

【 Remark 】 This machine adopt built-in, unchangeable Lithium battery. At normal condition (if the back light is not so bright), the actual supply hour can be different because of the different way using the navigator. Some function (audio playing, video playing, bright back light) will consume a large power, which will reduce the using hour.

【 Note 】 This machine adopts built-in, unchangeable Lithium battery. In order to avoid fire and burning, please do not poke, bump or take it apart or throw it into fire or water.

1.3 Use the car charger to supply power

◆ Connect the DC part with the motorcycle, the red line

is connected with ignition switch and the black line is connected with the negative pole, when you turn on the motorcycle, the GPS navigator will turn on automatically.

◆The other part connect to the power socket, it supplies power while charging.

2. Power on/off

2.1 Power on

Please check: The battery is enough, or it is connected to external power source;

【Note】 If bring the unit form one place to another place, please boot until it adapts to the environment. Big humidity fluctuation will make the mainframe short circuited.

2.2 Power off

Press the button on the top of the unit to turn off, the unit will enter the power saving mode and

maintain the last operation status when boot next time.

3. Reset system

◆ If the system cannot work, you can reset the system by the following way:

◆ Click the reset key on the right part of the machine to reset the system by using the stylus.

【 relative information 】 : it can be no response in the following condition:

◆ The shift between pictures is delayed or stopped.

◆ The program select function cannot work normally, such as long time to carry out or cannot be activated.

◆ The power button can not work

【 Note 】 The unsaved data will be lost as you reset the system when the system has no response. Please copy the data every other time.

4. Use bracket to fix navigator

When use GPS in the motorcycle, you should fix the device to the part of the motorcycle besides the panel by using the bracket.

5. Stylus

The stylus is the tool for you to use your navigator. Please keep it carefully.

1. Single click: Singly click the screen with the stylus point.
2. Double click: Double click the screen with the stylus point.
3. Drawing: Click one point and hold to move on the screen.

【 Note 】 Any broken stylus, ball pen or any acute and harsh object will destroy the LCD if you use it to operate the device.

6. Connect with computer

The device can be connected with the computer through the MINI USB. You can copy the document between navigator and computer or copy the data from GPS navigator to computer so as to recover the data in GPS when you are in need of them.



1. Please confirm the GPS navigator is power on;
2. Connect the MINI end [] of USB cable with the USB port on the left part of GPS device and the normal

end [] with the Host port on computer.

3 Please pull out the MINI USB cable after you finished your operation, the GPS navigator will return to the pre-operation interface.

【Note】 Data security: Please copy the data to the outer storage device every time before you update your system data. Our company takes no responsibility to any loss of data. The GPS navigator will stop the operation when it is connected with computer. In the process of communication, the following operations will break off the connection with computer; the unfinished data will be lost.

- a) Pull out the MINI USB cable;
- b) Power off
- c) Reset the system by using reset button or electric switch

Primary function

1. The main interface and the function

1.1 Main menu:



1-1

Click the top left corner of the interface  to hide calendar, show in Figure 1-2



1-2

Click the date icon  enter the date setting interface, show in Figure 1-3



1-3

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Click the top left corner of the interface  change the desktop display background, show in Figure 1-4



1-4

Navigation	Provide navigation service
Bluetooth	This device can connect with the Bluetooth earphone
Video player	Support ASF, AVI, WMV, DIVX, XVID, MP4 format. Support progress adjust, pause and full screen play
Photo viewer	Support JPG /BMP format. Support photo rotate, enlarge/shrink

	pictures, automatic play and so on
E-book	Text format: txt. Support page selection
Audio player	Audio playing format: WMA, MP3. Support random playing, sequential playing, repeat playing, pause, previous/next, volume
Game	Support game
Setting	Brightness, Volume, Languages, Power, Time, System, Default, GPS Info, Navipath.

2. Navigation functions and features

According to your choice of navigation system, the GPS navigator can make position by GPS satellite signal receiver and display on the navigation map. The system can calculate a best route after setting the destination, which can help users to arrive the destination safely and rapidly.

2.1 Map information

It is probably that the electronic navigation data is not consistent with the real traffic instructions because of the traffic construction development. Please do comply with the highway condition and the actual traffic rules.

2.2 Navigation

The navigator offers the route for the reference; determine the route by yourself, the driver may be more familiar with the route than GPS navigator.

2.3 Receiving signal

Many factors such as high, dense buildings (in the tunnel, between the high building, underground parking, under the trestle), various weather condition, and closure of the satellite will affect the ability to receive signal so as to result in inaccurate position, inefficiency of navigation operation and system function.

3. Multimedia

3.1 Music player operation interface

Click  to enter Multimedia interface, show in Figure 3-1



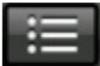
3-1

3.2 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.

	Previous song	Play the previous song;
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	Play/pause	To play and pause, click to pause, click again to play continuously
	Stop	Single click to stop playing;
	Next song	Play the next song;
	Volume	Increase/ decreased volume;
	Close	Single click to close the audio player;
	Set the playing mode	Support sequential playing, loop playing, repeat playing and random playing
	Open the play list	Single click to display play list, and choose your favorite
	Homepage	

4. Video operation Interface

4.1 Functions and features

1. Support AVI / WMV /MP4/ASF format
2. Support full-screen playing, progress choosing and file selection;

◆ Before using the Video player, please copy your video file to any folder

4.2 Operation

Single click the Video button  to enter the video file list as the picture 4-1& 4-2



4-1

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4-2

	Close	Click to close the video list;
	Play	It shows stop playing. Single click will continue to play.
	Next	Play next video.
	File list	Single click and shift to video file list, and then choose your favorite video.
	Volume	Single click volume to increase/ decrease the volume

	<p>Brightness adjust</p>	<p>Adjust brightness with stylus while moving toward left and right.</p>
	<p>Play interface</p>	<p>Full screen play. Double click to return normal play status.</p>

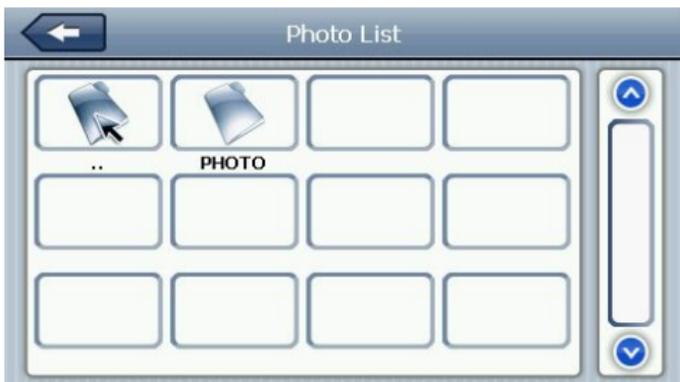
5. Photo viewer operation interface

5.1 Function and features

1. Supports JPG、BMP and PNG
2. Support picture rotate, picture enlarge/shrink and automatic play. Before using the photo viewer, please copy your photos to any folder.

5.2 Operation

Single click the button  to open the photo list as picture 5-1 & 5-2



5-1



5-2

	Close	Click to close the viewer
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	Shrink	Shrink 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, then choose your favorite picture
	Rotate	Click to rotate the picture by 90 degree
	Automatic Play	Play all the pictures circularly on full screen from the current picture

6. Bluetooth



6.1 Single clicks the  button and open Bluetooth setting as picture 6-1:



6-1

	Close	Single click to close current interface
	Open	Open the Bluetooth
	Searching	Search for Bluetooth devices

After successful connecting, it will show the picture 6-2:



6-2

7. E-book reader interface and operation

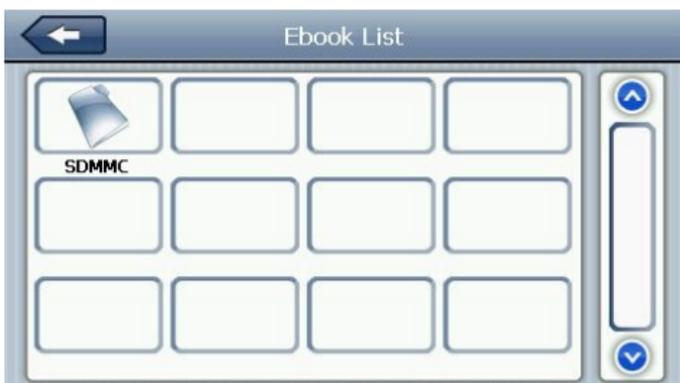
7.1 Function

1. Support TXT
2. Support turning over page, page browse, and file choosing.

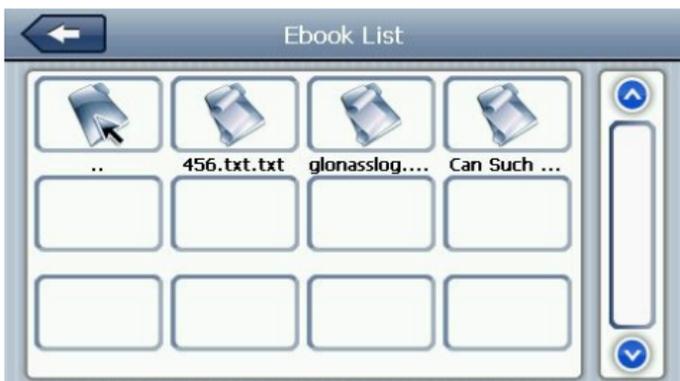
◆ Before using e-book function, please copy your TXT file and save it to any folder.

7.2 Operation

Single click button  to enter EBook list as 7-1 & 7-2



7-1



7-2

	Close	Single click and close e-book reader
	Last page	Read last page
	Next page	Read next page
	File	Single click to enter EBook list to choose favorite book
	Font set	
	Color set	
	Add book mark	It needs open e-book and choose TXT.
	Open book mark list	

	Set font as bold
	Set font as normal

	Decrease font size
12	Font size indicator
	Increase font size

8. Game

Single click  to choose different games as 8-1:



8-1

9. Tool

Single click  into Tool interface as shown 9-1:



9-1

10. Setting

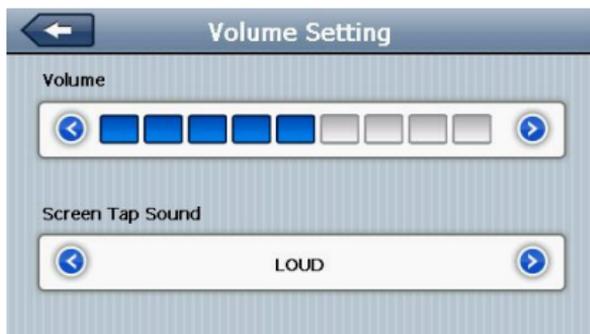
Click  to enter setting interface as shown 10-1



10-1

10.1 Volume adjust

Single click  into the volume adjust interface as shown 10-2:

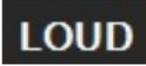


10-2

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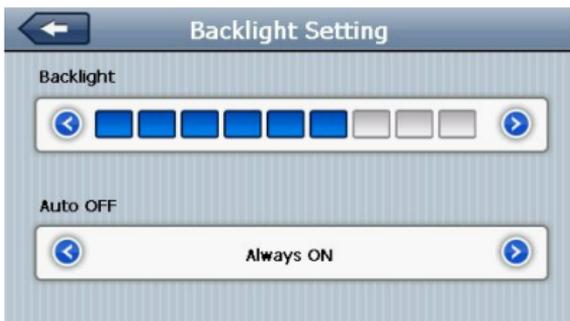
“Volume adjustment” includes:

1. Speaker volume adjustment
2. Screen click tone setting.

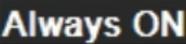
	Close	Exit “volume setting” interface;
	Volume -	Single click to decrease the volume gradually;
	Volume +	Single click to increase the volume gradually;
	Click the screen tone	By clicking the left/right shift button to set the on/off key tone, with loud, soft, and off the three states;

10.2 Backlight setting

Single click  to enter backlight setting interface as 10-3:



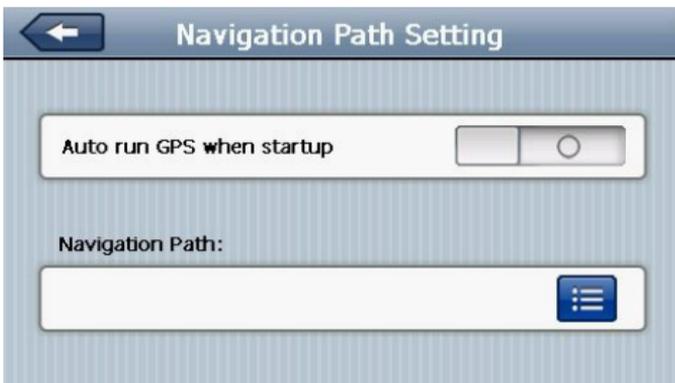
10-3

	Close	Exit backlight setting interface;
	Brightness decrease	Click to decrease backlight gradually to the lowest level;
	Brightness increase	Click to increase backlight gradually to the highest level
	Time interval	System backlight will be closed automatically when no operation for a period time to save power.

10.3 Navigation path



Click  to set the interface into navigation path, set the default navigation paths as shown in 10-4:



10-4

10.4 Date and time setting



Single click  into the date time interface as shown 10-5”

Date and time include:

1. System time set;

2. System date set;
3. System time zone set.



10-5

1. Single click number button to set time and date.

2. Single  or  to choose time area.

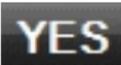
Click  to exit current interface after setting

10.5 Screen calibration

Click  to enter the screen calibration as 10-6:



10-6

Click  it will move from in the sequence of the center as 10-7, left up, left down, right down and right up till the calibration succeed, then click any where 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.

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



10-7

10.6 Language setting

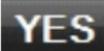
Single click  into the language settings interface as shown 10-8, Language setting including: System prompt language selection;



10-8

10.7 Restore set

Single click  to enter the default setting:

Single click  to restore the default settings,

single click  to exit the default settings.

10.8 GPS information

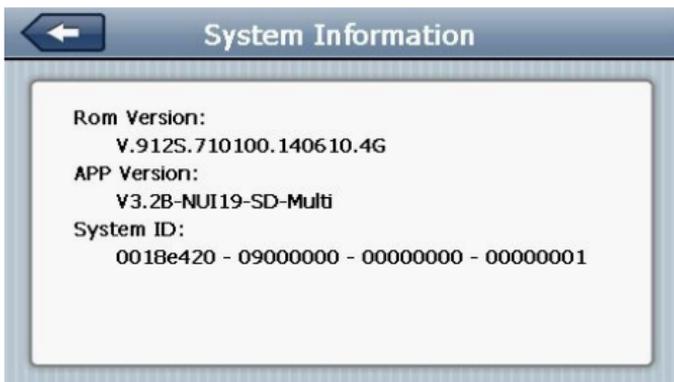
Click the button  and enter GPS information interface as 10-9;



10-9

10.9 System information

Click  to enter the System information.



10-10

System information includes:

1. Firmware version;
2. APP version;
3. System ID.

10.10 Auto start



Click  to enter the Auto start as 10-11:



10-11

Simple Problem shooting and maintenance

IF your GPS navigator cannot work normally, please check it as follows. If you cannot solve the problem, please contact our service center.

Reason	Reason	Solution
Can not turn on the navigator	Lack of power	Charge the battery
The device turn off suddenly	Low battery	Charge the battery

Can not display clearly	The back light is not bright enough	Adjust the backlight
	The back light has been turned off	Click the LCD; the screen will turn bright again.
No response when clicking the button	The touch-screen is not calibrated	Calibrate the touch-screen
Without sound	The volume is at the lowest condition	Increase the volume
	The earphone is not connected well	Connect the earphone
Can not communicate with computer	The USB cable is not connected well	Connect USB cable
The map data is lost		Contact your agent or distributor
No signal		The signal is weak, it need more than 3

		minutes to receive the signal
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Maintenance of GPS navigator

GPS navigator will be a reliable navigation and entertainment companion if protected by right methods. Please follow the instructions below to ensure your GPS run smoothly for a long time.

Protect screen: Don't press the screen with strength or you will destroy it. Please use the stylus to operate the navigator and spray a little glass cleaner on the soft cloth to clean the screen, don't spray on the screen directly.

【 Note 】 Be sure to turn off the GPS navigator before cleaning.

√ Drop or strike will cause damage to high-precision components.

【 Note 】 Accidental damage is beyond our responsibilities.

√ Don't use it under such environment: Temperature change abruptly (high temperature above 60°, low temperature under-10°), high voltage, dusty, electrostatic interference, avoid any corrosive liquid and dip into any liquid.

√ Avoid radiated interference: The radiated interference from other electronic products will affect the display and it will be normal after suppressing the interference source.

【Note】 If you carry the unit by air, please put the GPS together with your luggage to pass the X-ray detection system. Avoid scanning by the magnetic head detector (at the passage used for passing) or the magnetic bar (held by the security checker), or it will destroy the system date in the unit. We will take no responsibility for it.

√ Avoid direct, intense light: Don't use the GPS navigator in high light and ultraviolet radiation in order to increase the using life.