



GFS

Navigation System



User Manual

User' s Manual

Welcome to use our GPS navigator

- We reserve the final explanation right on this User' s Manual.
- Specifications are subject to change without notice. Sorry for any inconvenience caused!
- Please make a copy of the important data. We assume no responsibility for the data loss.
- This manual has been carefully checked. Please contact our service center when any typing mistake is found.
- Please read the operating instruction carefully and use the accessories only provided by the original factory to avoid any unexpected damage. No warranty will be executed if you are not following the instruction or connecting with the incompatible accessories, we assume no responsibility for any loss and damage caused hereby.
- The electronic navigation data may be not in conformity with the actual transporting marks due to the traffic construction development. Please be sure to comply with the real road condition and follow the traffic rules. Operating and viewing the GPS during driving may cause severe traffic accident. Our company will not be responsible for any loss caused by the unexpected accident.
- Users can update and upgrade software from website at his/her option.
- Any discrepancy between the pictures with real products hereinafter, the real one prevails.

Chapter One Product introduction

1. 1 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 hands free, FM, Bluetooth, photo viewing, and E-Book etc.

- ◆ High performance, low-power consumption MediaTek MT3351 CPU;
 - ◆ Comfortable user interface: simple, easy to operate;
 - ◆ Power management: keep the product to work longer and more steadily;
 - ◆ Data transmitting: communicate with computer through USB cable;
 - ◆ Excellent in receiving signal: accurate position fixing provides you the satisfied navigating service;
 - ◆ Compatible with Bluetooth mobile: the navigator can also be used for making and answering call with hands-free (Optional);
 - ◆ Entertainment: MP3 and MP4 function can relieve your fatigue;
- You can use it when driving, walking, riding, or waiting for a meeting; the perfect "GPS + entertainment" function can make your life and work more splendid.

1.2 Package

The packing box contains the following accessories, please confirm:

1. GPS navigator
2. Travel Charger
3. Car charger
4. MINI USB cable
5. Earphone
6. User' s manual
7. Protecting cover
8. 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.

Instruction

Please read this user' s manual carefully to be familiar with all the operation details and to make the GPS navigator performs well:

【Remark】 : The instruction relates to the theme;

【Relative information】 : The extending information relates to the theme;

【Note】 : The notes and warnings relate to the theme. Please value and follow these notes, otherwise it will possibly bring damage to you and others.

This user manual only adapts to our GPS navigator products.

Chapter Two Features and specifications

2.1 Main features

- ◆ Operating system: Microsoft Windows CE 5.0;
- ◆ Hi-Fi stereo earphone and built-in Hi-Fi speaker, volume adjustable;
- ◆ Button and touch-screen operation;
- ◆ Built-in sensitive GPS antenna;
- ◆ The navigating software could run the SD card directly;
- ◆ Video format supported: ASF,AVI,WMV,3GP,MP4,FLV;
- ◆ Photo format supported: BMP, JPG, PNG;
- ◆ E-book format supported : TXT;
- ◆ Built-in rechargeable Li-battery which can be powered by travel and car charger.

2.2 Specification

CPU	MediaTek MT3351
Flash memory	128 MBytes /2G/4G
EMS memory	64 MBytes/128MBytes
LCD display	4.3" or 5" , 6" or 7" TFT LCD display, Resolution:480(H)*272(V) or 800(H)*480(V)
Touch-screen	High-accuracy, durable touch-screen
USB	USB Client 2.0, MINI USB port
SD/TF	SD / MMC slot, the maximum capacity of SD/TF Card supported reaches to 8GB
Audio	A: Built-in high fidelity speaker B: High fidelity stereo earphone
GPS	Cold start: <42s Hot start: <3s(in the open area) Warm start: <36s
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

Status of the LCD light	When charging, the red light is on; when charge finished, the blue light is on.
Operating System	Microsoft Windows CE 5.0
Navigation Software	SD or TF 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	[FM Transmitter] [Screen adjustment] [Default set] [Volume] [Power] [Backlight] [Time and Date] [Language] [Sys Info]
Temperature	Operating Temperature : 0℃ to 60℃ Storage Temperature : -20℃ to 60℃
Working humidity range	45% to 80%RH
Storage humidity range	30% to 90%RH
Atmospheric pressure	86KPa to 106KPa

This chapter will give an introduction of the apparent components and basic function of the GPS Navigator and it will help you to be familiar with the basic operation quickly.

Chapter Three Manual Instruction

3.1 Power supply and charge

If this navigator is first used, please use AV adaptor to fully charge it.

3.1.1 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 adaptor.

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.

3.1.2 Use the travel charger to supply power

When the GPS navigator is first used, please use the AC adaptor to charge it.

1. Connect the DC part of the adaptor with the power interface at the left side of the unit (The power interface is same as USB interface);
2. The other part connect to the power socket, it supplies power while charging.

【Remark】 Red LED indicates it' s being charged. Please wait until it is fully charged and don' t pull out the adaptor while charging. When it is fully-charged, the LED will turn to Blue. If low battery or no battery, please charge it immediately.

3.1.3 Use the car charger to supply power

1. Connect the DC part of the adaptor with the power interface;



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

【Note】 Please insert the car adaptor after running the car so as not to damage the machine by electricity collision.

3.2 Power on/off

Power on/off is controlled.

3.2.1 Power on:

Please check: The battery is enough, or it is connected to external power source; Please press the button on the top of the unit to boot.

【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.

3.2.2 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.

3.3 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:

- 1.The shift between pictures is delayed or stopped.
- 2.The program select function cannot work normally, such as long time to carry out or cannot be activated.
- 3.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.

3.4 Use bracket to fix navigator

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

【Note】 When use the bracket, please take care of the position. Please don' t fix the navigator to the position where the driver' s sight is being influenced.

Please do not lay it aside freely; do not fix it to the air bag, do not lay it on the expand range of the air bag.

3.5 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.

3.6 SD/MMC card

The attached SD/MMC card contains the navigation software, map data and media file. Please insert the card correctly when use it.

【Note】 Please do not take out the SD/MMC card when the system is navigating or playing.

【Note】

1. Don't stress or curve the SD/MMC card, avoid loss and bulge.
2. Avoid high temperature or high humidity when use and store the card, don't expose the card directly to sun light, let the card far away from liquid and corrosive material.
3. Please pay attention to the heading when insert the SD/MMC card. If you insert the card improperly, you will damage the card.

3.7 Connect with computer

The device can be connected with the computer through the MINI USB on its left part. 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. After connecting, the screen will display the interface as below:



4. 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.

【Remark】 The GPS navigator will stop the operation when it is connected with computer.

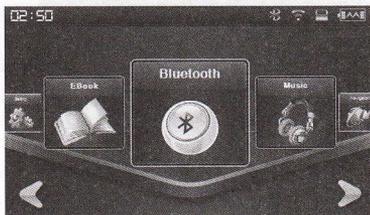
【Note】 In the process of communication, the following operations will break off the connection with computer, the unfinished data will be lost.

- 1). Pull out the MINI USB cable;
- 2). Power off
- 3). Reset the system by using reset button or electric switch

Chapter Four Primary function

4.1 The main interface and the function

4.1.1. Main menu



4-1



4-2



4-3

4.1.2 Function introduction

Navigation	Provide navigation service
Bluetooth	This device can answer and make phone after connecting with mobile phone via Bluetooth
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/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.

This chapter will introduce the navigation function and notes.

4.2 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.

The system can let you enjoy the individual charm and enjoy your trip by many different ways such as vision map, vivid animation, voice indication, and words indication.

The specific navigation functions are depended on your choice of navigating software. Please refer to the Navigation Software Instruction.

Notes

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

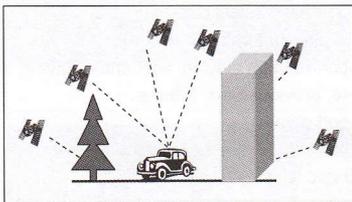
comply with the highway condition and the actual traffic rules.

2. 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.

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.



4.3 Bluetooth setting and Instructions:

This chapter introduces how to use this navigator's Bluetooth to connect with cell phone for call making and answering.

Operation method

4.3.1 Single click the button  in main menu to open the Bluetooth interface as the following picture:



4-4

4.3.2 Single click the button  and open Bluetooth setting as the following picture:



4-5

4.3.3 Single click button  you will get the following two pictures: the one is in searching and the next one is the searching result.

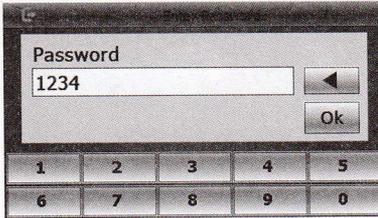


4-6



4-7

Single click the device you want to connect and click  to pair as the following pictures:



4-8

After successful pairing and connecting, it will show the following picture:



4-9

4.3.4 Click the button  to open the phone book interface as 4-10



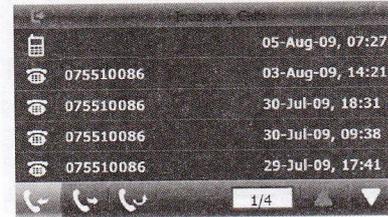
4-10

Single click  and enter phone book as 4-11



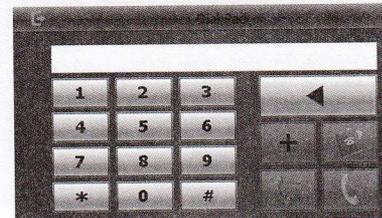
4-11

4.3.5 Single click the button  to open call history as 4-12



4-12

4.3.6 Single click the button  to open dial pad as 4-13



4-13

4.3.7 Single click the button  and then it will be in dialing as 4-14



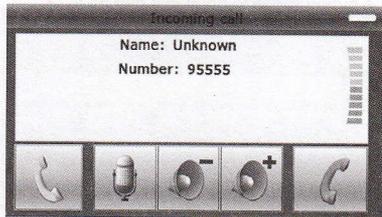
4-14

4.3.8 If there is an incoming call, it will show the caller ID and its number as 4-15



4-15

4.3.9 Single click  and it will display connected. You can talk with each other as 4-16



4-16

4.3.10 Single click the button  as 4-17



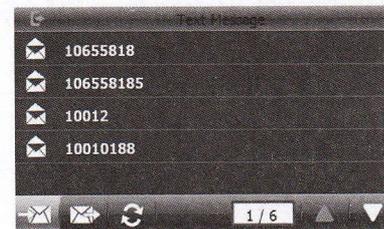
4-17

4.3.11 Single message button  to download SMS of paired phone as 4-18



4-18

Single click the button  to enter the following interface as 4-19



4-19

4.4 Audio player operation interface

This chapter introduces how to use the GPS video player to play your favorite music, and let it be your personal MP3.

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.

4.5 Video operation Interface

This chapter introduced how to use the GPS video player.

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

4.6 Photo viewer operation interface

This chapter introduces how to use the photo viewer to browse pictures.

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.

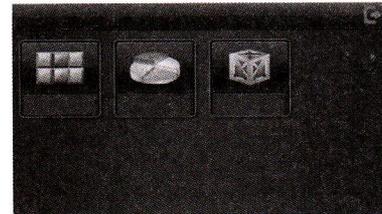
4.7 E-book reader interface and operation

This chapter introduces how to use GPS to read e-book.

- 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.

4.8 Game interface and operation

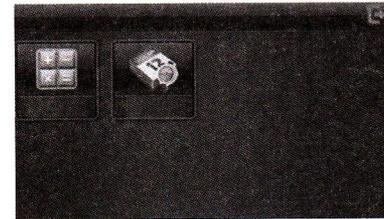
Single click  to choose different games as 4-20



4-20

4.9 Tool

Single click  to choose different tools as 4-21



4-21

4.10 System setting Interface and operation

Click  to enter "Setting" menu, then you can set the relevant functions. There are backlights, volume, languages, FM, time, calibration, system info and default etc.



4-22

4.10.1 Backlight setting

Single click  to enter backlight setting interface as 4-23



4-23

4.10.2 Volume adjust

“Volume adjustment” includes:

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



4-24

4.10.3 FM Transmitter

Single click  to enter the FM setting as 4-25

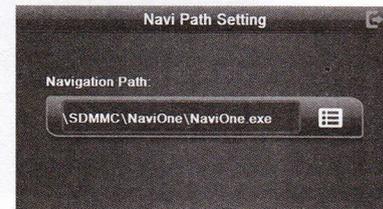


4-25

FM Transmitter will send out the audio signal to the radio devices. Take 86.7MHz frequency for example, both the GPS transmitting frequency and the received frequency of the radio should be 86.7MHz, then all the sounds of the GPS will be input through the amplifier system of the radio.

4.10.4 Navigation path

Set navigation path as 4-26

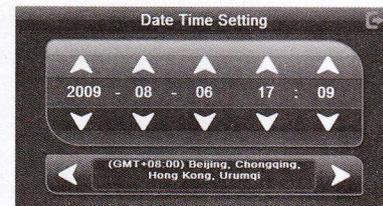


4-26

4.10.5 Date and time setting:

Date and time include:

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

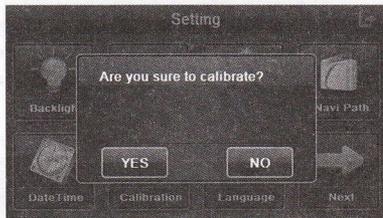


4-27

1. Single click button  or  to set time and date.
 2. Single click  or  to choose time area.
- Click  to exit current interface after setting, and then it will show as 4-28.
Choose YES or NO to exit current interface.

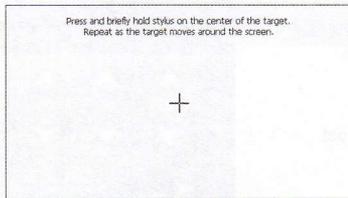
4.10.6 Screen Calibration

Click the  to enter the screen calibration as 4-28



4-28

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 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.

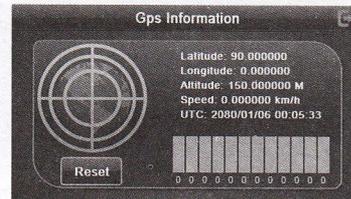


4-29

Single click your favorite language and then exit.

4.10.7 GPS Information

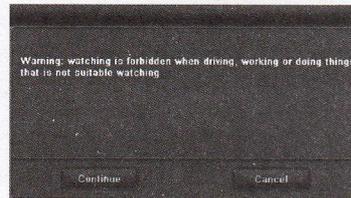
Single click the button  and enter GPS information interface as 4-30



4-30

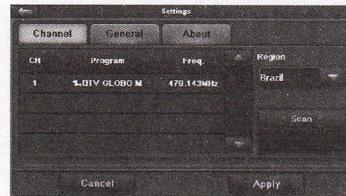
4.11 ISDB-T (Optional)

Click the “TV” icon in Function Menu to enter figure 1



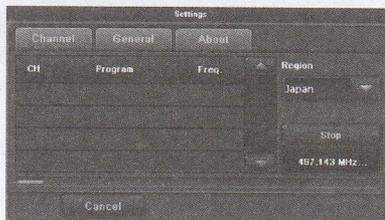
4-31

Click “Continue” to enter the TV channels broadcast interface, then click  button to enter settings interface. The channel options interface is shown in figure 4-32



4-32

Click the button “scan” to enter the scanning channels interface as figure 4-33



4-33

Select the TV channel you search for to enter the broadcast interface as figure 4-34



4-34

4.12 DUN web (Optional)



4-35



4-36

4.13 GPRS (Optional)

- ◆ CPU: Media Tek MT3351
- ◆ LCD display: 5" TFT
- ◆ System: Wind CE 5.0
- ◆ Dual-band GSM/GPRS EGSM900MHZ/GSM1800MHZ



4-37



4-38

Chapter Five

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
No signal		The signal is weak, it need more than 3 minutes to receive the signal
The map data is lost		Contact your agent or distributor

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.