

# G102 Car GPS Navigation with Pre-Installed European Maps - 7"



## **Product introduction**

Welcome to using 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 Mstar 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
- 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.

## **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

## Features and specifications

- Operating system: Microsoft Windows CE 6.0
- 4.3", 5.0", 6.0", 7.0" TFT LCD display with resolution of 480x272 pixels, 800x480 pixels
- 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
- MINI USB port
- Built-in rechargeable Li-battery which can be powered by travel and car charger

## Specification

CPU - Mstar 2531/800MHz

ROM Memory - 128MB/4GB/8GB

RAM Memory - 128/256 MB DDR3

LCD display - 4.3", 5.0", 6.0", 7.0" 9.0" TFT LCD display, Resolution :  
480RGB(H)x272(V) / 800RGB(H)x480(V)

Touch-screen - High-accuracy, endurable touch-screen

USB - USB Client 2.0, MINI USB port

SD- SD / MMC slot , the maximum capacity of SD 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-ion 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 6.0

Navigation Software - SD card

Video Player - ASF, AVI, WMV, 3GP, MP4, FLV;

Audio Player - MP3 and WMA

Photo viewer - E-Album, JPG, 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°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

## **Power supply and charge**

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

### **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 the adapter. The mark

[  ] indicates 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: These machines adopt built-in, unchangeable Lithium batteries. At normal condition (if the backlight 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 backlight) 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.

### **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
- 3.

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 there is a low battery or no battery, please charge it immediately.



## **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.

## **Power on/off**

Power on/off is controlled.

## **Startup**

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

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

## **Shutdown**

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.

## **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 carryout 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.

### **Use bracket to fix navigator**

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



Note: When using 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 expanded range of the air bag.

### **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.

### **SD/MMC card**



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

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

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

## 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're in need of them.

- Please confirm the GPS navigator is power on
- 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
- After connecting, the screen will display the interface as below:



Entering into USB mode indicates it is connected to the PC, the PC can auto recognize new GPS navigation, GPS navigation will stop the current operation and switch into the PC connected 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 for any loss of data.


Remark: The GPS navigator will stop the operation when it is connected with the computer. When it is switched into USB mode, you can take any operation.

Note: In the process of communication, the following operations will break off the connection with the 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


## Main menu



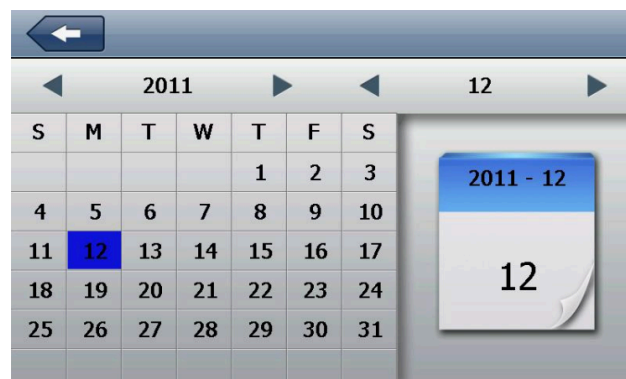
Click  desktop date, as Picture 4-2


Picture 4-2



Double-click the date icon  enter the date setting interface, show in Picture 4-3


Picture 4-3





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

Picture 4-4



Click  to enter a navigation map.

Click  to open the audio player.

Click  to quickly open the desktop application.

## Function introduction

Navigation - Provide navigation service

Bluetooth - This device can answer and make phone after connecting with mobile phone via Bluetooth

TV - Support ISDB-T

Video player Play ASF,AVI,WMV,3GP,MP4 and FLV formats video files, support progress selection, pause, full screen play;

Audio player - Support MP3and WMA formats file formats, support random play, loop play and sequential play

Photo viewer - JPG、BMP or PNG formats photo, support rotate photos, zoom in/out, auto play

E-Book - Text formats reading, support page selection, folder selection

Game - support game

Widgets support widgets

Setting - Volume, power, backlight, date and time, battery, backlight, date and time, language, system information



- Open backlight pictures to select the background you like



- Open/close date and time button

This chapter introduces how to use GPS navigation.

## Navigation Function Features and Operation

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 at the destination safely and rapidly.

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

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

### 1. Map information

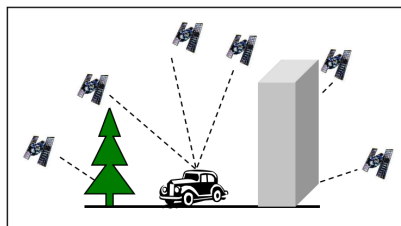
It is probably that the electronic navigation data is not consistent with the real traffic instructions because of the traffic construction development. Please comply with the highway condition and the actual traffic rules.

### 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 the 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 conditions, 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.



## Video player interface and operation

This chapter introduces how to use a GPS video player to play video files.


### Function features

- Support ASF, AVI, WMV, 3GP, MP4 and FLV file formats video files
- Support full screen play, progress selection, file selection

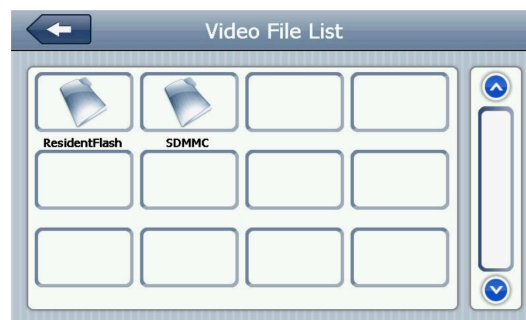
Before video playing, please copy your video file (ASF, AVI, WMV, 3GP, MP4 and FLV formats) to any folder in memory card.

### Operation methods



Click  button in multi-media interface, open video file list interface, as Picture 4-5:

Picture 4-5



Picture 4-6



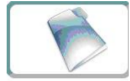
Close - close current folder



Previous page - display previous page



Next page - display next page



Video folder name - display video folder name

Resident Flash



Video name - display video name

Click selected video enter into video play interface, as Picture 4-7:

Picture 4-7



Close - click it to close video player



Play - it is paused, click it to play



Next - play next video



Files list - Click it to switch into video play interface, select your favorite movie(as Picture 4-6)



Volume - Click it and left move it to decrease system volume; click it and right move to increase volume



Progress adjustment - right/left move to adjust progress via stylus, left move to backward, right move to forward





Brightness adjustment - right/left move to adjust brightness, left to increase brightness, right to decrease brightness



Play screen - full screen play mode, double click to return to normal play mode

[Divx 3] 梁祝 (352x288-25fps-583kbps) Music name - display current movie name

01:04/02:50

time - played time / total time

## Audio player interface and operation


This chapter will introduce how to use a GPS audio player to play your favorite music, make it become your portable MP3.

### Function features

Audio players support MP3 and WMA formats files; you can set the play order as you like. Before the audio player works, please copy your audio files into any folder in another SD card.

### Operation methods



Click  button to enter into audio playlist, as Picture 4-8 shown:

Picture 4-8

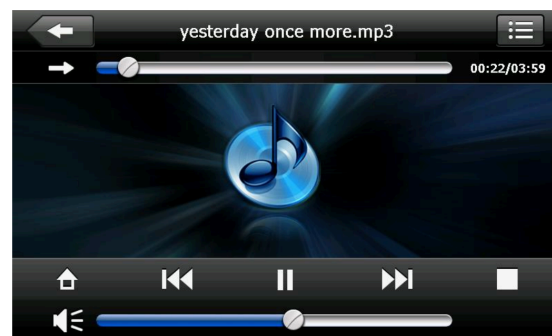


Picture 4-9



Click selected audio to enter into audio player interface, as Picture 4-10:

Picture 4-10




## Photo viewer interface and operation

### Function features:

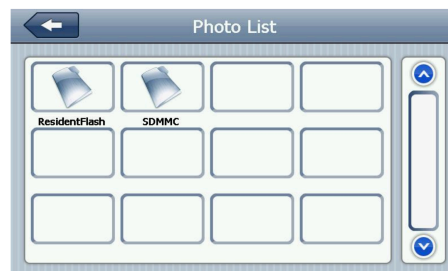
1. Support JPG、BMP and PNG formats view
2. Support photo rotate, photo zoom in/out, automatic play etc.

Before the photo view, please copy your photo files into the ant folder in the memory card.



Click  button, enter into photo file list, as Picture 4-11

Picture 4-11



Picture 4-12



Click selected photo to enter into photo play interface, as Picture 4-14:

Picture 4-13



Close - click it to close photo viewer



Zoom out - zoom out current photo



Zoom in - zoom in current photo



Previous page - view previous photo in the same folder



Next page - view next photo in the same folder



Folder - click it to switch into photo folder interface, select your favorite photo(as Picture 4-13)



Rotate photo - click it to rotate the picture 90 clockwise



Full screen - Display the photo in full screen



Automatic play - automatic play the photos from current photo in the same folder



File name, format - Display current photo name and its format

## E-Book reader interface and operation

### Function features

1. Support TXT format reading
2. Support page selection, and file selection

Before opening the E-Book reading, please copy your text files into any folder in the memory card.

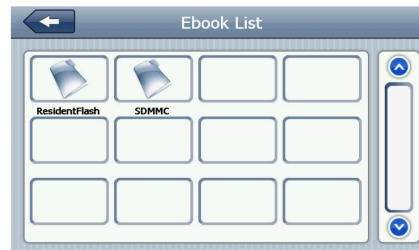
### Operation methods



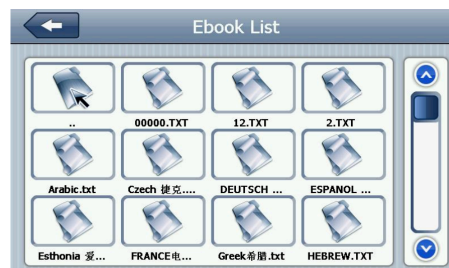
Click  button, the folder interface is as below Picture 4-14:

1. E-Book reader as Picture 4-16:

Picture 4-14

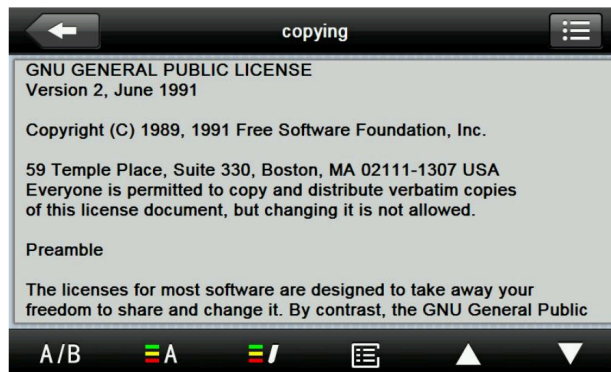


Picture 4-15



2. Click selected file name into E-Book reader, as Picture 4-16:

Picture 4-16 E-Book reader interface



Close - click it to exit E-Book reader



Previous page - read previous page



Next page - read next page



Folder - click it to switch into current folder interface, select your book; as Picture 4-15



Font setting - As picture 4-17



Color setting - As Picture 4-18



Add bookmark - need to open the E-Book and selected text



Open bookmark list - As Picture 4-19

Picture 4-17 Font setting interface



**Bold**

Set the font as bold



Set the font as normal



Decrease words size

**22**

Font size indicates



Increase words size

Picture 4-18 color setting interface



set color RGB

**Text Color**

Select text color, words color or selected background color



decrease/increase the background color, font color and selected background color

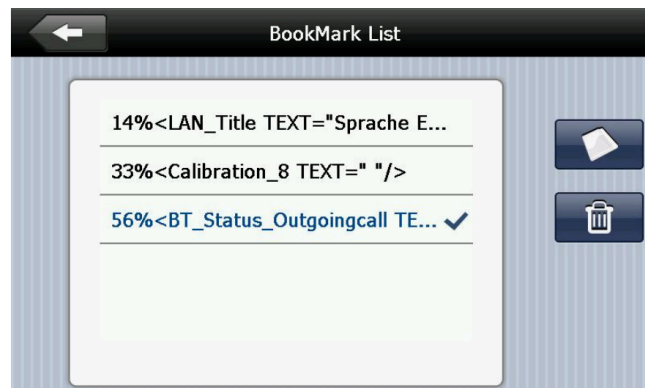


Color preset



return to E-Book interface

Picture 4-19 bookmark list interface



## Flash interface and operation

This chapter introduces how to use GPS Flash.

### Function features:

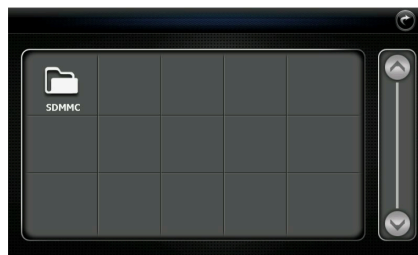
1. Flash play
2. Support full screen play, progress selection, file selection

### Operation method



Click「Flash」 button, open Flash interface as Picture 4-20

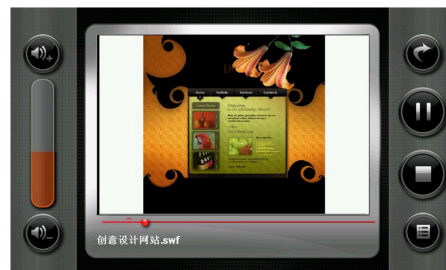
Picture 4-20



Picture 4-21



Flash interface - Picture 4-22





## ISDBT Instruction

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

Figure 1



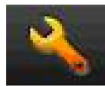
Click “Continue” to enter the TV channels broadcast interface, then click  the button to enter settings interface. The channel options interface is shown in figure 2

Figure 2



Click the button “scan” to enter the scanning channels interface as figure 3

Figure 3



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

Figure 4




## Bluetooth setting and operation description



1. Click  buttons open to Bluetooth interface, as Picture 4-36:

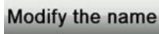
Picture 4-36



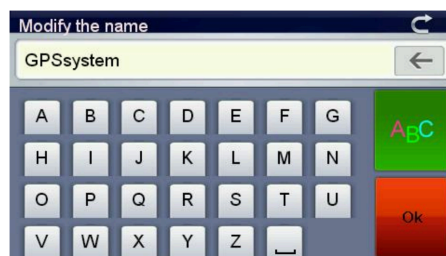
2. Click Bluetooth setting  button, open Bluetooth setting as Picture 4-37:



Picture 4-37



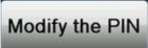

3. Click "  "button, enter into modify the name interface, as Picture 4-38:

Picture 4-38

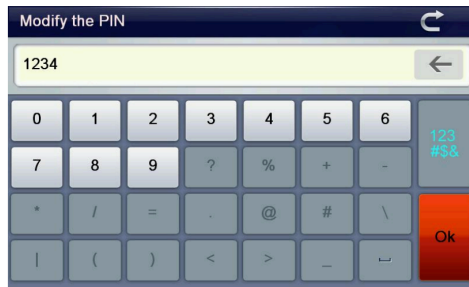



Set as your need, click  button to switch from letters and numbers, click  to save.



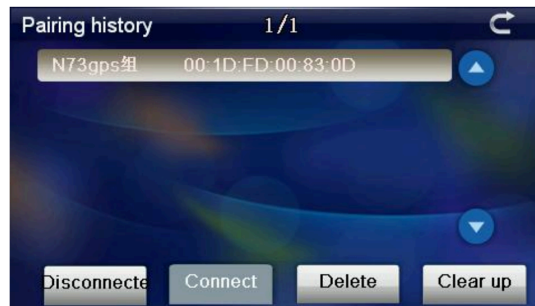
4. Click “”button, enter into modify PIN password interface, modify the code as you want, click  to save. As Picture 4-39:

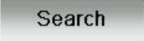
Picture 4-39



5. Click  button enter into pairing history, as Picture 4-40:

Picture 4-40



6. Click“”button to search Bluetooth device, as Picture 4-41:

Picture 4-41



7. Click selected mobile phone "N73gps" click "Connect" to connect, input the password to connect the Bluetooth device, close current interface, enter into below interface, as Picture 4-42:


Picture 4-42



8. Close current interface, enter into below interface, all the buttons will turn to colorful pictures, it indicates it is paired, as Picture 4-43:


Picture 4-43



9. Click Bluetooth interface  button, open keyboard interface, as Picture 4-44:

Picture 4-44



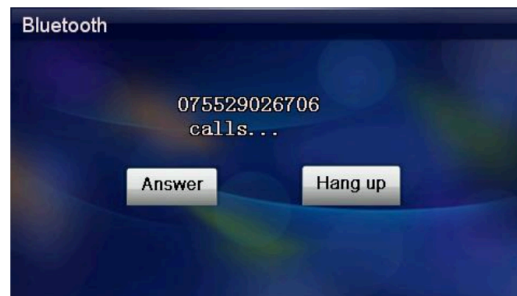
10. Click  button in keypad, phones will be called(remind: calling), as Picture 4-45:

Picture 4-45



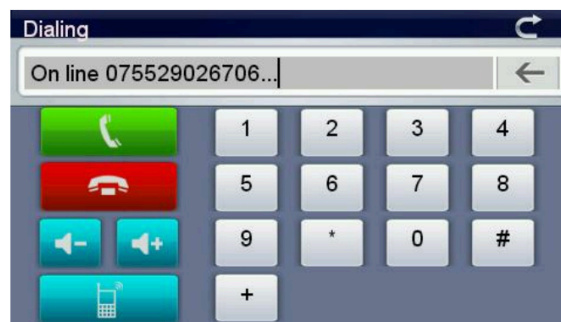
11. If there is any call, display call and the phone number, as Picture 4-46:


Picture 4-46



Click "Hang up" button to reject calls, click "Answer" button to answer; Enter into below interface, as Picture 4-47:

Picture 4-47



When the phone is connected, you can hear the talker through the GPS, and you can talk to him via the microphone, click  button, you can switch the call between GPS navigation and the phone.



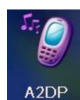
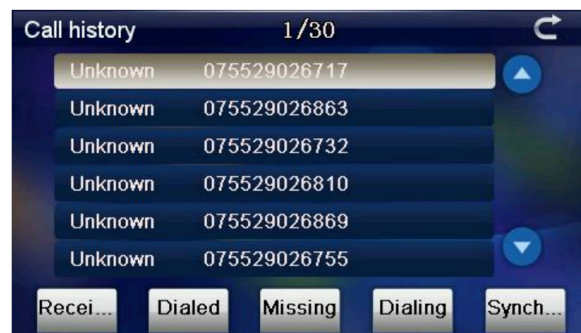
12. Click **Phonebook** in Bluetooth interface, open the phonebook interface, as Picture 4-43:

Picture 4-48



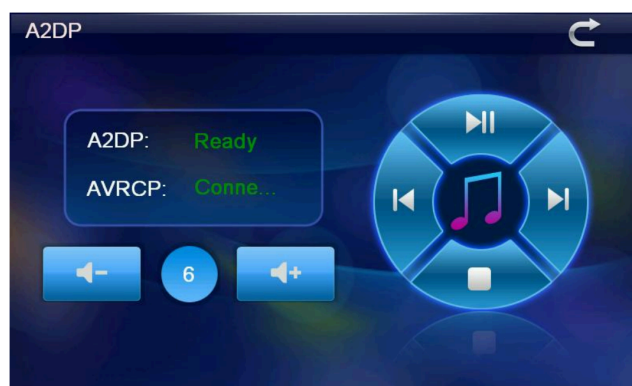
13. Click **Call history** button in Bluetooth interface, open call history interface as Picture 4-44:

Picture 4-49



- 14.4 Click **A2DP** button enter into Bluetooth interface, as Picture 4-50:

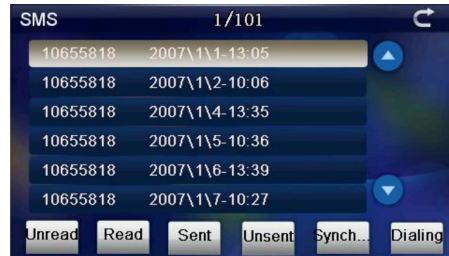
Picture 4-50





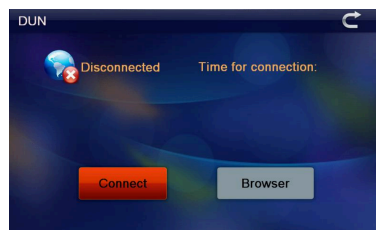
15. Click **SMS** button in Bluetooth interface, leads to the information in paired phones, as Picture 4-51:

Picture 4-51



16. Click **DUN** multi-media to enter into dial internet interface, as Picture 4-52:

Picture 4-52




Click “Connect” button to enter into connect state, or click "browser" button enter into IE explorer. The program will start a browser, as Picture 4-54:

Picture 4-54




## Favorite



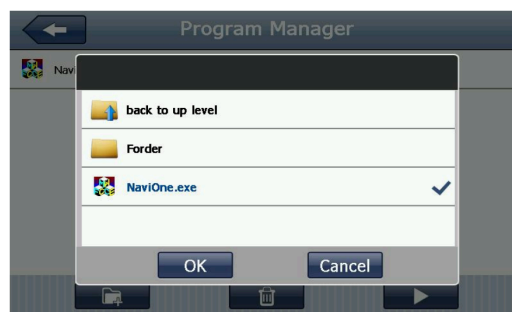
Click  button, enter into application management interface as Picture 4-56:

Picture 4-56




Click  button, enter into add application interface, as Picture 4-57; click to select the application you need, click OK to finish application add, as Picture 4-58:

Picture 4-57



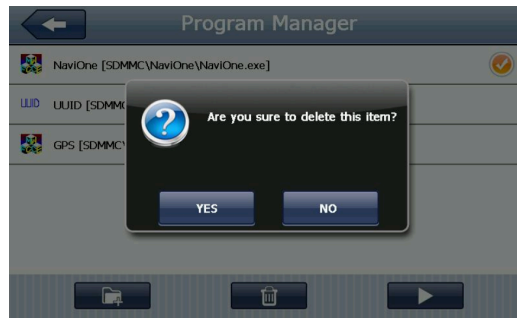
Picture 4-58




Click it to select the application you want to delete, click  button, click YES to delete the application, as Picture 4-59:



Picture 4-59



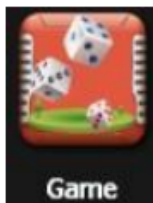
Click the application you want to start, click  button to start the application, as Picture 4-60:

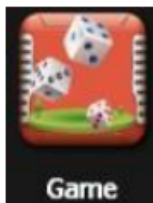
Picture 4-60

BT ID	MiniGps	LCD Info
UUID	GRS	Meta Info
GEM Info	DaylightMode : 0 .NET : 3 TouchRts : 2500	
TMC Inside	DUN : 1 Office : 1	
WCE	AYGShell : 1 BT Path : \Residentflash3\BT\ BT Name : GPSystem	
TCalibration	MemorySize:90564B/120496KB Current OS language:Chinese_Simplified	
Exit		

Click "Exit" button to exit the widgets interface.

## Games interface and operation



Click  enter into the game's interface.

## Unit conversion



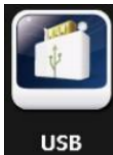
Click  icons enter into the interface below.

## Calculator



Click **Calculator** to enter into the calculator interface.

## USB setting



Click **USB** button, open USB setting mode interface.

## Volume setting



Click **Volume** to enter into the volume adjustment interface, the volume setting includes:

1. Speaker volume adjustment
2. Click screen volume setting

## Backlight setting



Click **Backlight** to enter into backlight setting, backlight setting adjustment.

## Time setting



Click **DateTime** to enter into time setting interface, time setting includes:

Click to enter into time setting interface, time setting includes:

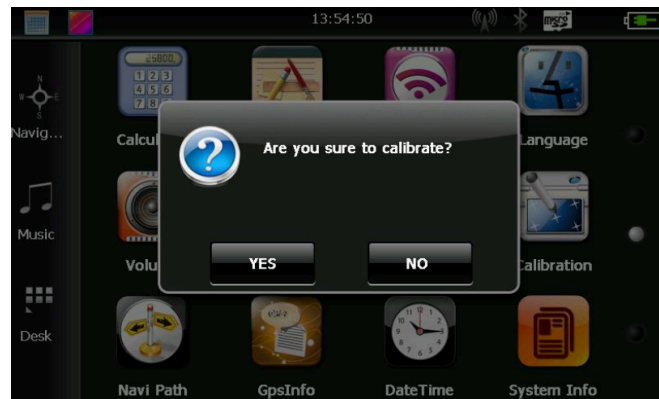
1. System time setting
2. System date setting
3. System zone view

## Screen calibration



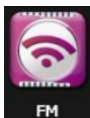
Click **Calibration** button, system popup “calibration” interface, as Picture 4-68:

Picture 4-68



Click "YES" to enter into the calibration interface via stylus, click +arrow, the arrow will move as: center, top left, lower left, top right, lower right, set the position as you like, click OK save it. If you don't want to save the setting, keep 30 seconds, the system will exit the setting interface.

## FM transmitter setting



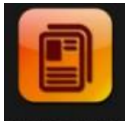
Click **FM** button set the receiving frequency of navigation and FM transmitter; enter into FM transmitter interface as Picture 4-70:

Picture 4-70



FM transmitter is to transmit the audio signal into receiving device, Take FM 90.0mhz for example, now the navigation frequency is same as receiving frequency, is 90.0MHZ, now the two devices are in same frequency band, which make the navigation can output the sound.

## System information



Click **System Info** enter into system information interface, system information includes:

1. Firmware version
2. Application version
3. Serial NO.

## Language selection



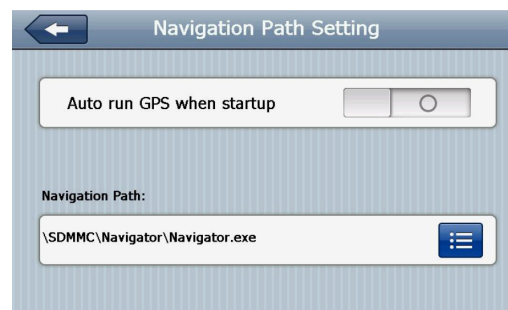
Click **Language** to enter into language setting interface, language setting includes: system remind words selection.

Select language to set system language.

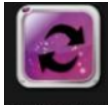
## Navi Path



Click **Navi Path** enter into the navigation path setting interface.



## Factory restore



Click **Restore Set** button to enter into below interface.

## GPS Information



Click **GpsInfo** button, enter into GPS information interface.

## Troubleshooting handle and maintenance GPS

**Can't startup** - low battery power - supply power to system and battery through external power supply

**Power supply is cut off suddenly** - low battery power - supply power to system and battery through external power supply

**Can't display/unclear display**

- backlight brightness is too low - adjust the backlight brightness
- backlight is close - click the touch screen via stylus, the screen will be brighter

**Click buttons, no any correct action** - touch screen is not calibrated - calibrate the screen again

**Play Without sound**

- volume is too low - Increase the volume
- earphone is not well connected - Insert the earphone well

**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









