

GPS Portable Navigation Device

Atlas

User Manual

Please read this manual before you start using this device

Thanks for purchasing our product. Please read this manual carefully before starting to use this device. When you use this device, you are supposed to learn well of this product.

The information in this manual has been verified for its accuracy. But no liability will be applied for the correctness of mapping data of navigation, technical and/or editorial interpretation or illustration, or the printing and translation of this manual, nor liable for any consequence or incidental damages caused by using this manual.

This device is a complicated technical product consisting of OS and third party software. The manufacturer has paid sufficient attention to and fulfill its duty in its hardware manufacture processing and in development and/or application of the software so as to ensure the device work properly. If there is any malfunction or defective of the device, the manufacturer will provide a warranty for the congenital quality problem, but not covering for any loss or damage of property, or any consequence caused by or related to using this device.

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No explicit and/or implicit guarantee or assurance will be applicable for the validity, integrity, correctness, accuracy of mapping data for navigation used on this device, nor liability for any loss, damage, and/or any consequence caused by or related to defective mapping data or software used on this device.

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General tips for GPS application

The following content is tips for GPS device application and operation. Please read it before starting use of the GPS device, so that you may make a better use of the GPS device.

While the GPS device is working, it receives signal from satellites for

positioning. The signal from satellite may not be received, or be weakened in room, nearby some big buildings, or under overhead bridges.

Features:

4.3"/5"/6"/7" LCD TFT display with touch screen for control and input

Professional portable navigation system, UI design for mobile application, Convenient operation

Most popular Windows OS, SirfAtlas CPU

Micro SD card of extensible capacity for mapping data, MP4 video, MP3 music, Photo, and personal files

Built-in high sensitive GPS receiving module and antenna, Faster GPS signal receiving and More accurate positioning

Prompt and accurate positioning applicable for GPS data collection, e.g. Area measuring

Prompt response for both cold and warm start; Re-capture of GPS signal just in 1 second on average, Accuracy of positioning: no more than 10 meters; Accuracy of timing: no more than 1 microsecond

Embedded Organizer/Calendar, personalized friendly touch panel handwriting control, record and plan personal schedule

Multimedia entertainment: Flash display, MP3 music, MP4 video, Photo viewing

Scientific calculation: embedded calculator, a good business assistant

The FM transmitter designed for use in a car with car stereo is not controlled with volume of the device.

Personalized function setting: Language selection, Backlight brightness adjustment; Power management, Coordination calibration.

A user friendly feature is GPS "hold On". With this feature, you may use the device for other applications, like music, e-Book, except for Falsh, by pressing Return button on the device to switch GPS application to background and keep it running without exiting from GPS application during the same time.

Warnings:

Please install the device in a right way to avoid driver's sight and airbag to be hindered. Any loss or damage of product, passengers, or other property caused by mistakes of mounting or installing of the device will be not covered within the warranty and not be the responsibility of the manufacturer.

Please not put on earphone and operate the device when you drive or ride a bike to ensure your safety.

Please consult with airline crew for application of the device if you want to use it during flight.

Please keep the device far away from strong magnetic field which may cause damage or malfunction to the device.

Please protect the device from being dropped, shocked or scratched on or by hard objects to avoid possible damages (scratches on the device face, loose contact of the battery, data loss or other hardware part broken) to the device.

Please not use earphone with a continuous and large volume for long time, set the volume at a moderate loudness and use it not for a long time to avoid possible damage to your ear audibility.

Please not use chemical solution or cleaner to clean the device to avoid possible damage to the paint and polish of its surface.

When the device is used as a mobile storage device, please follow right procedures of file management operation to copy or transfer files. The warranty does not cover any mistake, or damage, or loss of files

It will be better for you to make a backup copy of your personal files in the device into your PC or laptop in time

It is prohibited to use higher voltage power supply, to bent or squeeze the power cord with big force so as to avoid possible damage and overheat resulting in fire

Never use wet hands to pull out or plug in the power plug to avoid possible electric shock

Not use the device in an environment over 60°C, or below -10°C, and with high humidity as well

The content of this manual is subject to definition, or interpretation, or modification from time to time for improvement on features and function without prior notice.

**Illustrations on screen display:
System UI(Projector Screen)**



Under this UI, click icon down the screen to enter the function page. Then there will be Looped playback of cartoon, click it to entry this function. If you click the icons beside the function icon you can enjoy the cartoons. If you click the arrow up the corner you can turn pages to view, which accompanies the cartoon at the same time.



Secondary UI(Projector Screen)





In this interface, click the icons on the screen to enter the corresponding functions; and click the arrow on the right bottom to turn the page. There will be an animation effect when turning the page.

Two kinds of theme interfaces are available. To change the theme, change it in the language setup under the system setup.

Charging:

Warnings for charging:

1. A new battery may be empty and not charged before you get the device.
2. To achieve the best performance of the battery, it is better to charge it up to 8 hours in the first three times, but not over 16 hours.
3. In normal charging with DC charger, please make sure to charge it for 2 – 2.5 hours to get it fully charged.

A new battery will reach its best performance after a number cycles of charging and discharging.

If the device is not used for long time, it is better to charge it to full capacity every 2 or 3 months during storage.

If not using the device for a long time, it is wise to take out the battery.

Charger Application:

DC Charger:

Take out the DC charger, plug it into the wall outlet with AC 220V(100V ~240V), then plug in the DC jack into the device DC-in jack




When you use car charger, please start car engine first, then connect it to the device to avoid possible damage to the device due to overloaded pulse current during ignition.

Please pull it out when you stop the engine, and plug it in again after next ignition.

Power On/Off the device

In power off status, slide the power switch to "ON" position to turn on the device, then the OSD will be displayed on screen.

Sleeping & Power –off

In power-on mode, press the power button on the device for 3-5 seconds then the sleeping mode or confirmation for power-off screen will display click the button  will be in sleeping mode, click the button  will power off ; click the button  to exit the UI and back to normal operation.

Waking -up from the sleeping



When in sleeping mode, a short press on the power-on button of the device will wake up the system.

When in sleeping mode, all the procedure in operation will pause but will back to normal status after waking up.




FLASH Play

This is for Flash file playing.

Operation:

On system main menu, click the icon  to entry the function of Media player, click  icon, to get into Flash playing mode, then file selection UI will be shown on screen:



on this UI, click  button to search Flash files not in selected folder; click  button to close this window and exit Flash palying mode; double click, or select then click  button to open thie selected file.





Control buttons in playing mode:

In full screen, tool bar will be hidden at screen bottom, you may get it by tapping on the screen.




Video Playback

This feature is for video file playing, with the formats: AVI, MPEG, MPG, ASX, DAT, ASF and WMV.

Operation:

On system main menu, click the icon  to enter the function of Media player, click  icon to enter into Video Playback application. Display of UI for file selection:





On this UI, click  button to search video files not listed in the appointed video file folder; Click  button to close and exit from Video Playback application; Double click or select and click  button to open and play this file.

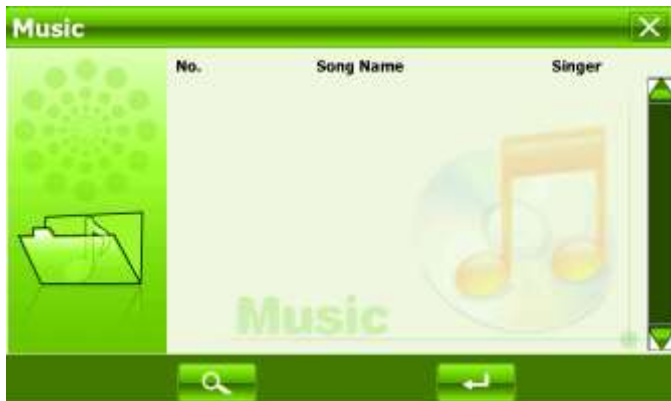


Music Playback

This is for Music Playback with format of MP3, WMA, WAV.

Operation:

On system main menu, click the icon  to entry the function of Media player, click  icon to play music. Screen display is shown as the illustration below:






On this UI, click  button to search for music files not in selected folder; click  button to close this window and exit musi play mode; double click, or select then click  button to play this music file. Music play mode is displayed as following diagrams:




Photo Display




This is for Photo Display with format JPG stored in an SD card.

Operation:



On system main menu, click  icon to enter into Photo Display function. Display of UI for file selection:



On this UI, click  button to search photo files not listed in the appointed photo file folder; click  button to close current UI and exit Photo Display function; double click or select then click  button to open or play this file. Display shown as the right illustration:




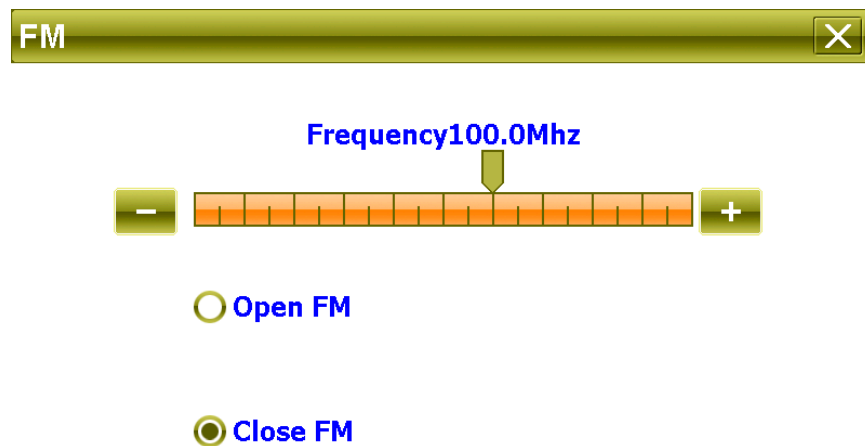
Then, click  or  button to select previous or next photos; click

FM Transmission (optional)



This feature is designed for transmitting the sound of this device at a set frequency to your car FM radio receiver, then you can hear from your car stereo system, and get it at volume set by the car stereo system.

Operation:

In the system UI open the Tools then find the icon  to activate FM. It will be illustrated like below:



Then you may select "Transmission On" or "Transmission Off", when select "Transmission On", you may also select device speaker on or off. It is suggested to close the device speaker when "Transmission On" is selected.

Press  or  button, or directly drag the slide bar to set FM transmission frequency, then turn on car radio FM receiver and tune it to the same frequency as the transmission, then you may get the sound from the device.

Status Display:

When FM transmission is on, you may see an icon on the main menu screen:

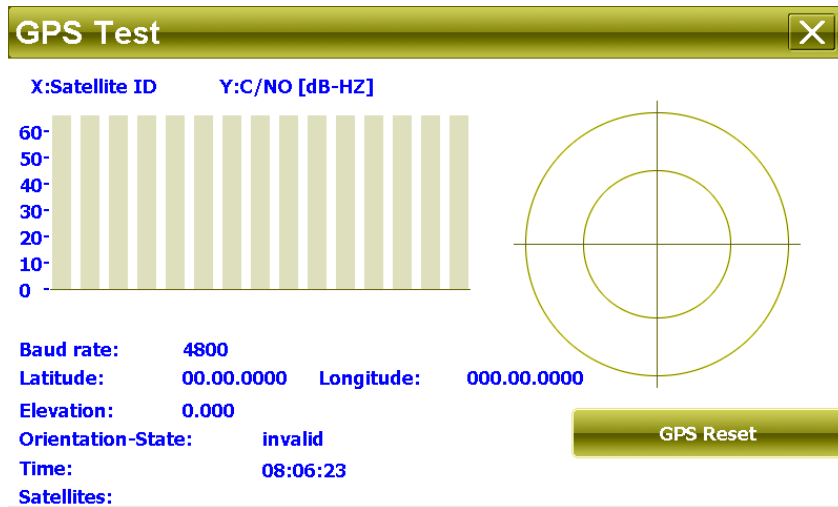
In addition, on main menu, click these icon you may enter into FM transmission mode directly.

Calculator

This device has two calculators: Ordinary and Scientific calculator, able to be switched at any time, a good assistant for your work and study.

GPS TEST

GPS test is the gps poor or good signal showing , which tell you that it can navigate or not



System Setting

This is for system setting to change default setting of the system to your personal preference.

Operation:

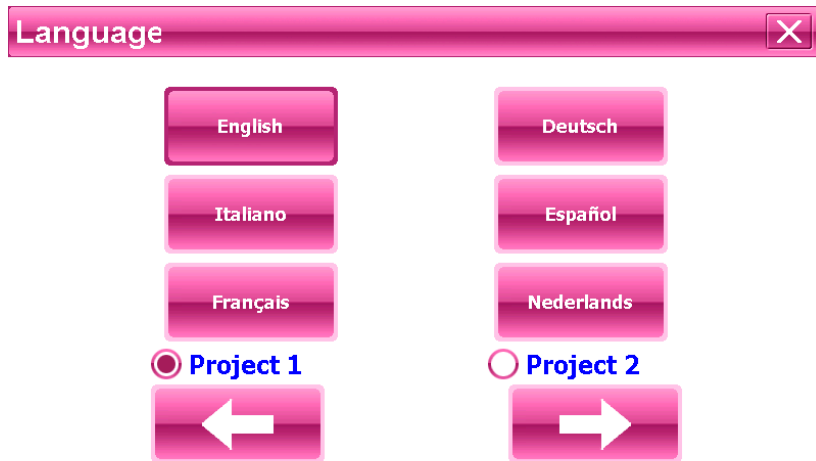
On system main menu, click  icon to enter into system setting. Screen display is shown as the illustration below:



In system setting, there 9 items for setting, click directly each item to change setting for it. Details will be described one by one below.

Language Setting

This is for setting of system language, screen display is shown as the illustration below:



Click the icons of the corresponding language in this interface or choose the interface project, the system will save the setup automatically when the setup is closed, and return to the previous menu. (The system will be required to restart after the interface project is changed.)

Backlight setting

This is for changing backlight brightness of the device screen display, and time to start screen saver when no operation on the device. Then, drag the slide block to set. Select No Screen Saver, then the screen saver will be disabled. After setting, close the current window to save.

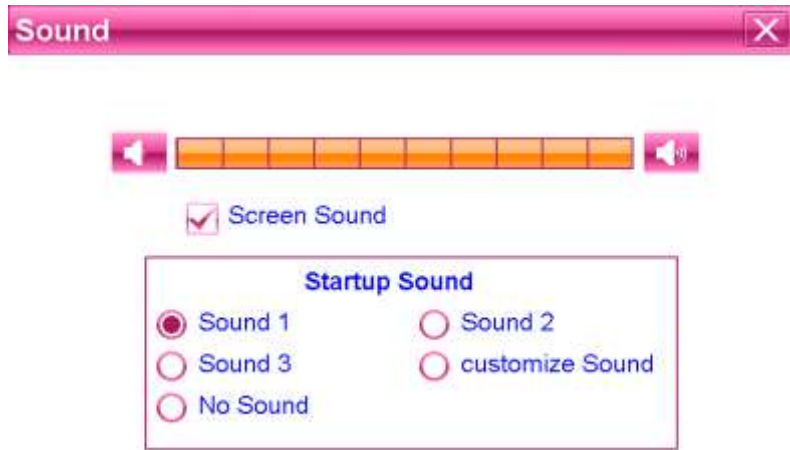
Power Management

This is for setting auto power off and/or power saving mode, and time to start power off and/or power saving when no operation on the device.

In drag menu to select time, select “No” for disabling this feature. After setting, close the current window to save.

Sound Setting

This is for setting of beeping of power on, button operation on screen, and total volume. After entering into this UI, screen display is shown as the illustration below:




lick "Screen sound" in this interface to enable or disable the sound of screen operations,

You can listen to the sound by clicking the start-up sound directly; and the general volume can be adjusted by dragging the slide directly.

User-defined start-up music

In the present interface, click "customize Sound" then its dialog window will show up

"Nand Flash" is the inside memory of the device, "SDMMC" is the SD card.

So the start-up music can be selected from both of them. Select one,click the button  to confirm, then back to the upper-level interface.

Time Setting

This is for setting time of the system. After entering into this UI, screen display is shown :

On this UI, click button on the screen to set. After setting, close the current window to save.

System Resources

This is for checking system resources:

On this UI, click directly at the item on the right to check.

Coordinates Calibration

This is for calibrating the stylus coordinates on touch screen. After entering into this UI, screen display is shown as the illustration below:

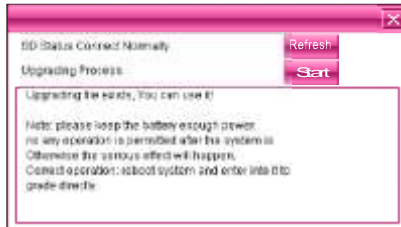


On this UI, use stylus to tap at the center of the cross, then tap on

other crosses which will move after each tapping until finish and “Touch Screen Calibration Completed” is shown.

Update Logo

The function is for updating start-up logo of the device. Please be sure that you have stored the Logo pictures into the SD card. After entering into this UI you will see the interface shown below :

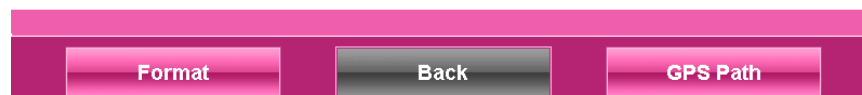
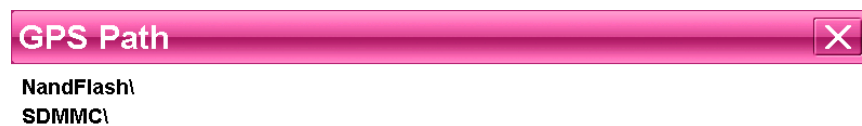


If there is no logo file in the current SD card, please copy the logo file into it or change another SD card having upgrade file, then click **Refresh** button, you may see this upgrade file. During upgrade operation, click **Start** button, then a dialogue frame will pop up. Then click **Cancel** button to cancel upgrade, or click **OK** to proceed with the upgrade processing.

Warning: please be sure that the battery is being full when you are updating. If not, please get the device charged.

GPS Path


Using this function is to set GPS path for your navigation. Screen display will show as follows:

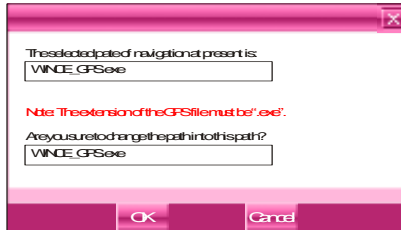


File folders of SD card will be listed on screen. Click a folder to open it. Select GPS Software

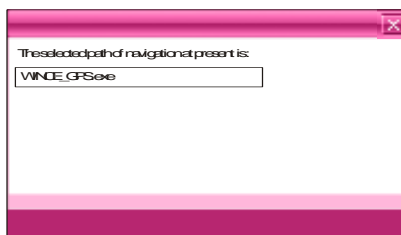
If there are two or more maps from different companies on an SD card, then this feature can help you select each of them easily.

The way to Select: In SD card directory, open the file folder to find the

map to be used, select navigation software of .exe,(which has different names from each different company, please refer to details from each company of these navigation software. e.g. Careland has WINCE_GPS.exe), then select and click  button, a dialogue frame will pop up on screen, as it shown below:



Then click "Cancel" button to abort; click "Confirm" to accept, then display on screen will be:



Click  button on the upper right corner to return to File Management UI.

USB

This is to set the mode when the USB interface of the device is connected to the computer, in which "U disk" is to set the device as the portable memory, and "ACTIVESYNC" is to use the device for program debug. Pictures are shown as below:



Click the desired connection mode and close the window to save the chosen mode.

Game

On system main menu, click  icon to enter into Game. Screen display is shown as the illustration below:



In this state, click the game icon on the screen to enter the game. For details on how to play the game, see the help information that will be available after you enter the game.






eBook Reading

This is for eBook Reading with format .txt stored in an SD card.

Operation:


On system main menu, click  button to enter into eBook Reading application. Display of UI for file selection:




On this menu, click  button to search for txt files not in selected folder; click  button to close this window and exit file reading mode; double click button, or select then click  button to open this file. Click  or  button to turn page up or down; "Manual/Automatic" is set for selecting Manual or Automatic page turning; Font is for selecting letter size of display.

Returning to Win CE Desktop

The device can return to the Win CE by pressing one key and implement

On the system main interface, click the  icon and the screen pops up the confirmation dialog box. Click OK to return to the Win CE desktop. At this time, you can perform relevant operations.

Return to the navigation system from the Win CE desktop:

On the Win CE desktop, click the  icon to start the navigation system.

Specifications

CPU	SiRF Atlas V
Memory	4GB
Chip	GRF3i+
Antenna	Built-in folded antenna
Memory Card	Applicable for a Maximum up to 32GB SD card
Screen Type	TFT Touch Screen
Screen Size	4.3"/5.0"/6.0"/7"
Screen Color	65K colors
Dot Matrix Display	480*272 / 800x480
Extension Slot	Micro SD
Battery Type	Built in chargeable
Battery Capacity	850mAh-1500mAh

Trouble Shooter

No.	Fault	Possible Cause	Solutions
1	No power on	Battery drained (The screen has no further display after a blink when pressing power on button.)	Please refer to the description of battery charging in this manual, only use the enclosed charger to charge the device.
2	Dead Unit	The start interface stays on the screen for long time without changing.	Take out the battery, then put it back, start the device again.
		No display of the screen, or display on screen is frozen as any button is pressed.	Press and hold the power on button for 5 seconds, then release it to power on.
			Take out the battery, then put it back, start the device again.

3	Error in upgrade	Dead or frozen during upgrade, display on the screen is frozen and no button works.	This fault can only be fixed by the manufacturer. Please return for repair.
4	Impossible to recharge	During charging, the green LED indicator of the device has no light or no charging sign displayed on the screen.	If the charger is connected properly and powered.
			Charger is damaged.
			Battery is damaged or full charged.
			It is normal when the green LED is lit on but the charging sign is not on the screen at the same time during charging.