

# **User's Manual**

**Trademarks**

All brand and product names are trademarks or registered trademarks of their respective companies.

**Note**

The information in this manual is subject to change without notice.



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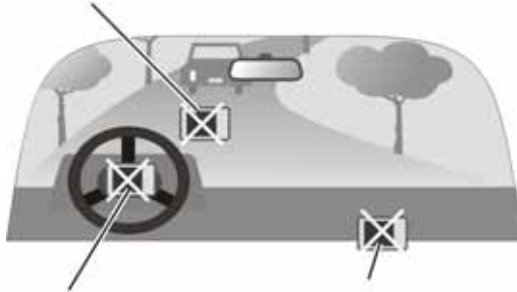
# Precautions and Notices

- For your own safety, do not operate the controls of the product while driving.
- Use this product prudently. The product is intended to be used only as a navigation aid. It is not for precise measurement of direction, distance, location or topography.
- The calculated route is for reference only. It is the user's responsibility to follow the traffic signs and local regulations along the roads.
- When you get off the car, do not leave your device on the dashboard that is subject to direct sunlight. The overheating of the battery can cause malfunction and/or danger.
- GPS is operated by the United States government, which is solely responsible for the performance of GPS. Any change to the GPS system can affect the accuracy of all GPS equipments.
- GPS satellite signals cannot pass through solid materials (except glass). When you are inside a tunnel or building, GPS positioning is not available.
- A minimum of 4 GPS satellite signals is needed to determine current GPS position. Signal reception can be affected by situations such as bad weather or dense overhead obstacles (e.g. trees and tall buildings).
- Other wireless devices in the vehicle might interfere with the reception of satellite signals and cause the reception to be unstable.

- A car holder is needed when using the device in a car. Be sure to place the device in an appropriate place, so as not to obstruct the driver's view, or deployment of airbags.

Do not mount where the driver's field of vision is blocked.

Do not place unsecured on the dashboard.



Do not mount in front of airbag panels.

Do not mount in front of an airbag field of deployment.

# 1

## Getting Started

### 1.1 Understanding Hardware Components

**NOTE:** Depending upon the specific model purchased, the color of your device may not exactly match the device shown in this manual.

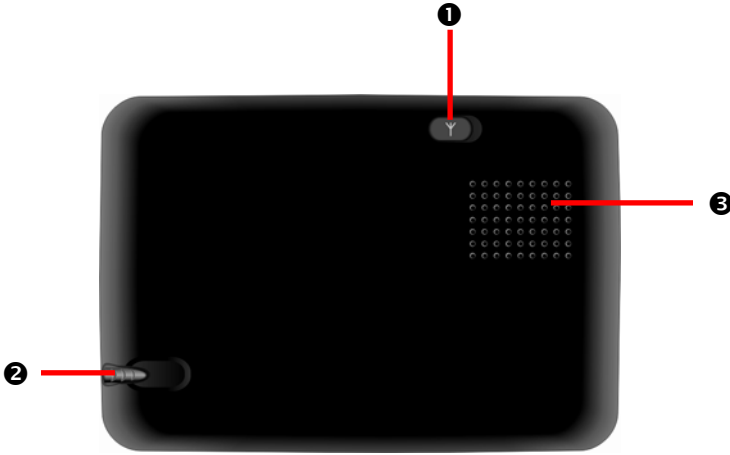
#### Front and Side Components



Ref	Component	Description
①	<b>Touch Screen</b>	Displays the output of your device. Tap the screen with your stylus to select menu commands or enter information.
②	<b>Bluetooth Indicator</b>	Glows blue to indicate that the Bluetooth radio is on.

- 
- 3 Charge Indicator** Glows bright amber to indicate that the battery is charging, and turns green when the battery is fully charged.
- 
- 4 Microphone** Receives voice.
- 

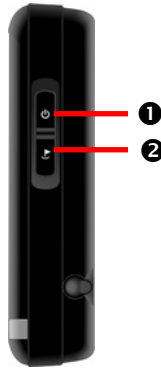
## Back Components



Ref	Component	Description
<b>1</b>	<b>External Antenna Connector</b>	This connector (under rubber dust cover) allows use of an optional external antenna with magnetic mount, which may be positioned on top of the car for better signal reception in areas with poor reception.
<b>2</b>	<b>Stylus</b>	Tap the touch screen to make selections and enter information. Pull the stylus out of its slot to use it, and store it in the slot when not in use.
<b>3</b>	<b>Speaker</b>	Sends out music, sounds and voice.



# Right-Side Components



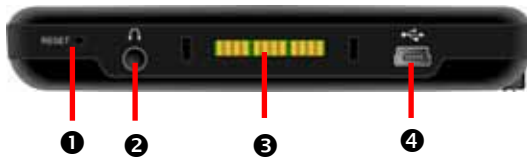
Ref	Component	Description
1	Power Button	Turns on and off the device.
2	Navigation Button	Opens the navigation menu.

# Top Components



Ref	Component	Description
1	SD/MMC Slot	Accepts a SD (Secure Digital) or MMC (MultiMediaCard) card for accessing data such as MP3 music.

# Bottom Components



Ref	Component	Description
①	Reset Button	Restarts your device (soft reset).
②	Headphone Connector	Connects to stereo headphones.
③	Cradle Connector	Connects to the cradle.
④	Mini-USB Connector	Connects to the AC adapter or USB cable.

## 1.2 Connecting to AC Power and Charging the Battery

When charging the battery for the very first time, you should charge it for at least 8 hours.

1. Slide and click the connector converter onto the AC adapter.
2. Connect the adapter cable to the bottom of your device.
3. Plug the AC adapter into a wall outlet.



The charge indicator glows amber when charging is in progress. Do not disconnect your device from AC power until the battery is fully charged, when the charge indicator turns green. This will take a couple of hours.

**NOTE:**

- Do not immediately turn on your device after connecting the AC adapter to charge a power-depleted battery. If you need to turn on the device again, wait for at least one minute.
- Depending on your region of purchase, the connector converter may not look exactly the same as the picture shown.
- Your device can also be charged when it is connected to a desktop computer via the USB cable.

**CAUTION:** For optimal performance of the lithium battery, take note of the following:

- Do not charge the battery where the temperature is high (e.g. in direct sunlight).
- There is no need to fully discharge the battery before charging. You can charge the battery before it is discharged.
- If you will not use the product for a long period of time, be sure to fully charge the battery at least once every two weeks. Over discharge of the battery can affect the charging performance.

## 1.3 Using Your Device in a Vehicle

A car holder and a car charger are supplied with your device.

### Using the Car Holder

**CAUTION:**

- Select an appropriate location for the car holder. Never place the holder where the driver's field of vision is blocked.
- If the car's windshield is tinted with a reflective coating, an external antenna (optional) may be needed to route the antenna to the top of the car through a window. When closing the car window, be careful not to pinch the antenna cable

The car holder consists of a bracket and a stand. Use the car holder to fix your device in a vehicle. Make sure that the GPS antenna has a clear view of the sky. (See the document supplied with the car holder for the installation instruction.)

For initial positioning, remain at the same spot with a clear view of the sky. The GPS may take a few minutes to find its current location initially.

**NOTE:** Depending upon the specific model purchased, the car holder supplied with your device may not look exactly the same as the picture shown.

### Connecting the Car Charger

The car charger supplies power to your device when you are using the device in a car.


**CAUTION:** To protect your device against sudden surges in current, connect the car charger only after the car engine has been started.

1. Connect one end of the car charger to the power connector of your device.
2. Connect the other end to the cigarette lighter in the car to power and charge your device. The indicator on the car charger lights in green to indicate that power is being supplied to your device.



# 1.4 Operating Basics

## Turning On and Off

Use the power button (  ) to turn on and off your device.

When you press the power button to turn off the unit, your device actually enters a suspend state and the system stops operating. Once you turn on the system again, it resumes.

## Operating the Device

To communicate with your device, touch the screen with your stylus. You can perform the following actions:

- **Tap**  
Touch the screen once with your stylus to open items or select onscreen buttons or options.
- **Drag**  
Hold your stylus on the screen and drag up/down/left/right or across the screen.
- **Tap and hold**  
Tap and hold your stylus until an action is complete, or a result or menu is shown.

## 1.5 Inserting a SD/MMC Card

Your device has a SD/MMC slot where you can insert an optional Secure Digital or MultiMediaCard storage card.

To use a SD/MMC card, insert it into the slot, with the connector pointing to the slot and its label facing the front of the device.

To remove a card, first make sure that no application is accessing the card, then slightly push the top edge of the card to release it and pull it out of the slot.



**NOTE:**

- Make sure that no foreign objects enter the slot.
- Keep a SD or MMC card in a well-protected box to avoid dust and humidity when you are not using it.

# 2

## Troubleshooting and Maintenance

This chapter gives solutions to common problems you may encounter. It also provides guidelines on taking care of your device.

**NOTE:** If you encounter a problem you cannot solve, contact an authorized service center for assistance.

### 2.1 Resetting Your System

Occasionally, you may need to reset your device. For example, you should reset your system when it stops responding; or appears to be “frozen” or “locked up.”

Insert a small rod, such as a straightened paperclip, into the reset button on the bottom of your device. This is called a “soft reset.” The **Home screen** should appear after a soft reset.



## 2.2 Troubleshooting

### Power Problems

Power does not turn on when using battery power

- The remaining battery power may be too low to run your device. Connect the AC adapter to your device and to AC power. Then, turn on your device.

### Screen Problems

Screen is off

If the screen does not respond even after you press the power button, try the following in order until the problem is solved:

- Connect the AC adapter to your device and to external AC power.
- Reset your system.

Screen responds slowly

- Make sure that your device is not running out of battery power. If the problem still exists, reset your system.

Screen freezes

- Reset your system.

Screen is hard to read

- Make sure that the backlight of the display is on.
- Move to a location with more light.

Inaccurate response to taps

- Recalibrate the touch screen.



# Connection Problems

## Cable Connection Problems

- Make sure that your device and your computer are both turned on before trying to establish a connection.
- Make sure that the cable is securely plugged into the USB port on your computer and on the device. Connect the USB cable directly to your computer—do not run the cable through a USB hub.
- Reset your device before connecting the cable. Always disconnect your device before you restart your computer.

## GPS Problems

When there are no valid signals available, consider the following:

- Make sure that the GPS antenna has a clear view of the sky.
- Note that the GPS reception can be affected by:
  - ✓ Bad weather
  - ✓ Dense overhead obstacles (e.g. trees and tall buildings)
  - ✓ Other wireless device in the car
  - ✓ Reflective car window tint

## 2.3 Maintaining Your Device

Taking good care of your device will ensure trouble-free operation and reduce the risk of damage to your device.

- Keep your device away from excessive moisture and extreme temperatures.
- Avoid exposing your device to direct sunlight or strong ultraviolet light for extended periods of time.
- Do not place anything on top of your device or drop objects on your device.
- Do not drop your device or subject it to severe shock.
- Do not subject your device to sudden and severe temperature changes. This could cause moisture condensation inside the unit, which could damage your device. In the event of moisture condensation, allow the device to dry out completely before use.

- Take care not to sit on the device. We advise not to carry the device in one's back pocket for that reason.
- The screen surface can easily be scratched. Avoid touching it with sharp objects. Non-adhesive generic screen protectors designed specifically for use on portable devices with LCD panels may be used to help protect the screen from minor scratches.
- Never clean your device with it powered on. Use a soft, lint-free cloth moistened with water to wipe the screen and the exterior of your device.
- Do not use paper towels to clean the screen.
- Never attempt to disassemble, repair or make any modifications to your device. Disassembly, modification or any attempt at repair could cause damage to your device and even bodily injury or property damage and will void any warranty.
- Do not store or carry flammable liquids, gases or explosive materials in the same compartment as your device, its parts or accessories.

# 3

## Regulatory Information

**NOTE:** Marking labels located on the exterior of your device indicate the regulations that your model complies with. Please check the marking labels on your device and refer to the corresponding statements in this chapter. Some notices apply to specific models only.

### 3.1 Regulations Statements

#### Class B Regulations

USA

Federal Communications Commission Radio Frequency Interference Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

#### **FCC RF Radiation Exposure Statement:**

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. To maintain compliance with FCC RF exposure compliance requirements, avoid direct contact to the transmitting antenna during transmitting.

3. Any changes or modifications (including the antennas) made to this device that are not expressly approved by the manufacturer may void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

4. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: -Reorient or relocate the receiving antenna. -Increase the separation between the equipment and receiver. -Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. -Consult the dealer or an experienced radio/TV technician for help.

## European Notice

Products with the CE marking comply with Radio & Telecommunication Terminal Equipment Directive (R&TTE) (1999/5/EEC), the Electromagnetic Compatibility Directive (89/336/EEC) and the Low Voltage Directive (73/23/EEC) – as amended by Directive 93/68/ECC - issued by the Commission of the European Community.

Compliance with these directives implies conformity to the following European Standards:

**EN301489-1:** Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 1: Common technical requirements

**EN301489-3:** Electronic compatibility and Radio spectrum Matters (ERM), ElectroMagnetic Compatibility (EMC) standard for radio equipment and services; Part 3: Specific conditions for Short-Range Devices (SRD) operating on frequencies between 9 kHz and 40 GHz

**EN55022:** Radio disturbance characteristics

**EN55024:** Immunity characteristics

**EN6100-3-2:** Limits for harmonic current emissions

**EN6100-3-3:** Limitation of voltage fluctuation and flicker in low-voltage supply system

**EN60950 / IEC 60950:** Product Safety

**EN300328:** Electromagnetic compatibility and Radio spectrum matters (ERM); Wideband transmission systems; Data transmission equipment operating in the 2.4GHz ISM band and using wide band modulation techniques; Harmonized EN covering essential requirements under article 3.2 of the R&TTE Directive

The manufacturer cannot be held responsible for modifications made by the User and the consequences thereof, which may alter the conformity of the product with the CE Marking.

## 3.2 Safety Precautions

### About Charging

- Use only the AC adapter (PHIHONG, PSC05R-050 PH) supplied with your device. Use of another type of AC adapter will result in malfunction and/or danger.
- This product is intended to be supplied by a LISTED Power Unit marked with “LPS”, “Limited Power Source” and output rated + 5 V dc / 1.0 A”.
- Use a specified battery in the equipment.

### About the AC Adapter

- Do not use the adapter in a high moisture environment. Never touch the adapter when your hands or feet are wet.
- Allow adequate ventilation around the adapter when using it to operate the device or charge the battery. Do not cover the AC adapter with paper or other objects that will reduce cooling. Do not use the AC adapter while it is inside a carrying case.
- Connect the adapter to a proper power source. The voltage requirements are found on the product case and/or packaging.

- Do not use the adapter if the cord becomes damaged.
- Do not attempt to service the unit. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

## About the Battery

- Use a specified charger approved by the manufacturer.

**CAUTION:** This unit contains a non-replaceable internal Lithium Ion battery. The battery can burst or explode, releasing hazardous chemicals. To reduce the risk of fire or burns, do not disassemble, crush, puncture, or dispose of in fire or water.

- Important instructions (for service personnel only)
  - ✓ **Caution:** Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.
  - ✓ Replace only with the same or equivalent type recommended by the manufacturer.
  - ✓ The battery must be recycled or disposed of properly.
  - ✓ Use the battery only in the specified equipment.