

# AIRIS

## GPS NAVIGATOR

### AIRIS model T920A/B/C

- Samsung 2440 300MHZ processor
- Colour TFT LCD 3.5", anti-glare
- 320x240 QVGA resolution, 65K colours
- GPS SiRF Start III module
- Navigation software: ROUTE66 Navigate 7



User manual

R01

### **Trademarks**

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### **Note**

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

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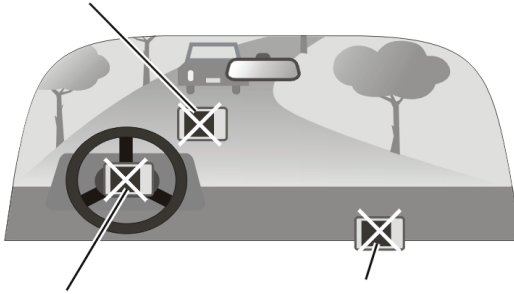
# Precautions and Notices

- For your own safety, do not operate the controls of the product while driving.
- Use this product prudently. The product is intended for use solely 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 out of the car, do not leave your device on the dashboard subjected to direct sunlight. 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 that you 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

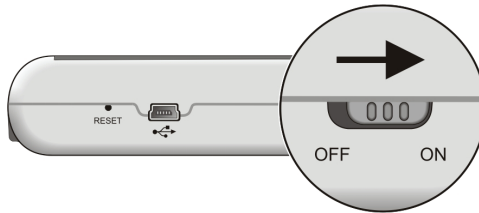
## Getting Started


This chapter tells you step by step how to perform the initial startup and introduces the components of your device.

### 1.1 Performing the Initial Start Up

1. Slide the ON/OFF switch to the ON (right) position.


**CAUTION:** Always leave the ON/OFF switch in the ON position for normal operation.

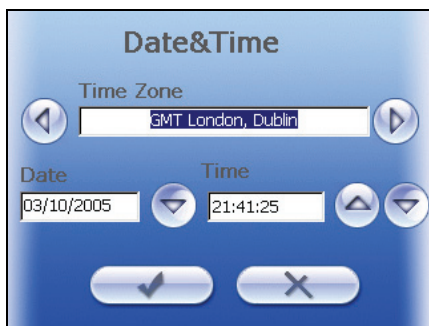


2. Your device turns on and displays the “Change Language” screen. You can tap the left/right arrow to select a language if your region of purchase is a country with multiple languages. Tap  to continue.



**NOTE:** If multiple languages are available, you can change the language later on by tapping **Setting → Change Language**. (See section 3.6 for details.)

3. The “Date & Time” screen appears. Tap the appropriate arrow button to select the time zone, date, and time. Then tap  to continue.



**NOTE:** You can change the time zone, date, and time later on by tapping **Setting → Date&Time**. (See section 3.5 for details.)

4. The Home screen appears as shown below. You can now use your device.

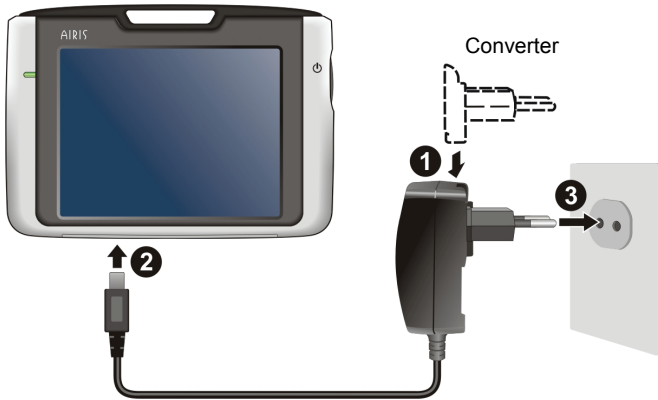




## 1.2 Connecting to AC Power and Charging the Battery

Fully charge the battery before using your device for the first time.

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, the charge indicator will turn green. This will take a couple of hours.

**NOTE:**

- When charging the battery for the very first time, you should charge it for at least 8 hours.
- When you connect the AC adapter to charge the battery after the battery power has been fully depleted, wait for at least one minute if you need to turn on the device.
- Depending on your region of purchase, the connector converter may not look exactly the same as the picture shown.

## 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. (Cars with an anti-jam window design may automatically leave adequate space as needed.)

The car holder consists of a bracket and a flexible window mount. Use the car holder to fix your device in a vehicle. (See the document supplied with the car holder for the installation instruction.)



**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.

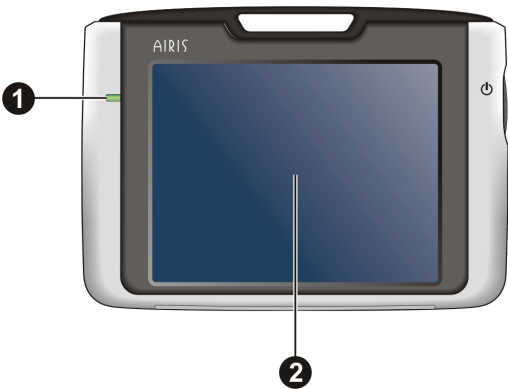
1. Connect one end of the car charger to the power connector of your device.
2. Connect the other end to the cigarette lighter in the car to power and charge your device. The indicator on the car charger lights green to show that power is being supplied to your device.



# 1.4 Understanding Hardware Features

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

## Front Components



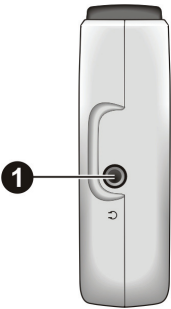
Ref	Component	Description	See Also
❶	Charge Indicator	Glows bright amber to indicate that the battery is charging, and turns green when the battery is fully charged.	Section 1.2
❷	Touch Screen	Displays the output of your device. Tap the screen with the stylus to select menu commands or enter information.	

# Back Components



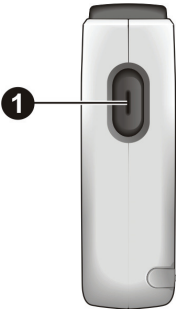
Ref	Component	Description	See Also
1	Stylus	Tap the touch screen to make selections and enter information. Pull the stylus out of its slot to use it, and store it in the slot when not in use.	Section 2.2
2	External Antenna Connector	This connector (under rubber dust cover) allows use of an optional external antenna with magnetic mount, which may be positioned on top of the car for better signal reception in areas with poor reception.	
3	Speaker	For music, sounds and voice prompts.	

# Left-Side Components



Ref	Component	Description	See Also
1	Headphone Connector	Connects to stereo headphones.	

# Right-Side Components



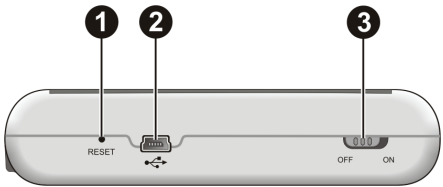
Ref	Component	Description	See Also
1	Power Button	Turns the device on and off.	Section 2.1

# Top Components



Ref	Component	Description	See Also
❶	GPS Antenna	Receives signals from the GPS satellites overhead.	
❷	SD/MMC Slot	Accepts an SD (Secure Digital) or MMC (MultiMediaCard) card for accessing data such as map data and MP3 music.	Section 2.3

# Bottom Components



Ref	Component	Description	See Also
❶	Reset Button	Restarts your device (soft reset).	Section 6.1
❷	Mini-USB Connector	Connects to the AC adapter or USB cable.	Section 5.2
❸	ON/OFF Switch	The main power/battery cutoff switch.	Section 1.1





# 2

## Basic Skills

This chapter familiarizes you with the basic operations of your device such as using the Home screen and the hardware components.

### 2.1 Turning Your Device On and Off


Use the power button on the side of your device to turn on and off your device.

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



### Home Screen

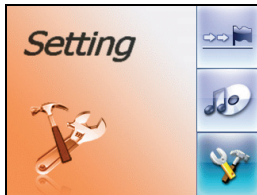
The first time you turn on your device, the Home screen appears. The Home screen is your starting place for various tasks. Tap a button to start an application or open another menu screen.

Button	Description	See Also
	Starts the navigation software.	Navigation software manual



Enables you to play MP3 files.

Chapter 4



Allows you to customize system settings.

Chapter 3

Whenever you quit an application, you are back to the Home screen.

## 2.2 Using the Stylus



The stylus is your input device. You use it to navigate and select objects on the screen. Pull the stylus out of the slot and extend it for ease of use. Store it in the slot when not in use. You can use the stylus for the following actions:

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

## 2.3 Using a SD/MMC Card

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

**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.

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, and then slightly push the top edge of the card to release it and pull it out of the slot.



# 3

## System Settings

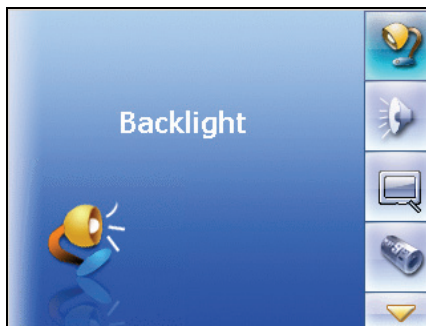
Your device has default system settings. You can customize the settings to suit your own personal needs. Once you change the settings, your new settings will remain until you change them again.

### 3.1 Using System Settings

To open the Settings screen, tap the **Setting** button on the Home screen.

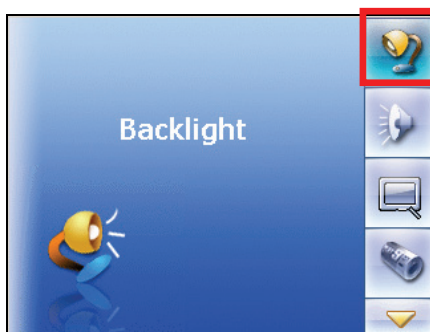


The Settings screen contains seven buttons as shown below. The following sections describe these buttons and their functions.

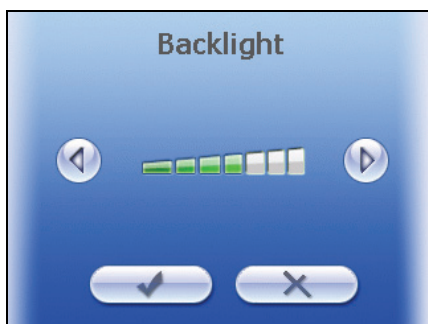


## 3.2 Backlight

1. Tap the **Setting** button on the Home screen to open the Settings screen.
2. Tap the **Backlight** button on the Settings screen.



3. Tap the left or right arrow to darken or brighten the screen.

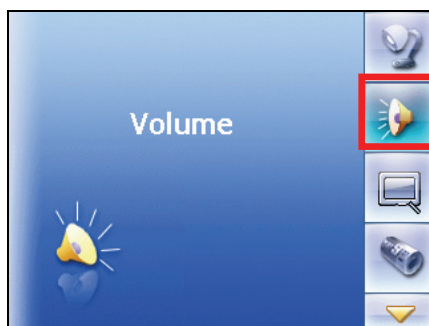


4. Tap the  button to save the changes and go back to the Settings screen.

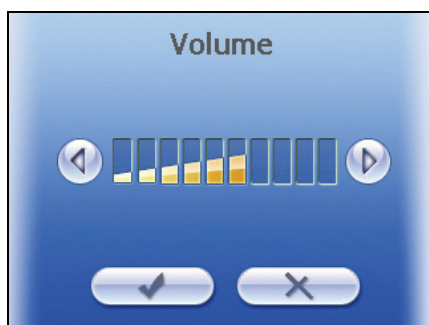
## 3.3 Volume

1. Tap the **Setting** button on the Home screen.

2. Tap the **Volume** button on the Settings screen.



3. Tap the left or right arrow to decrease or increase the volume.

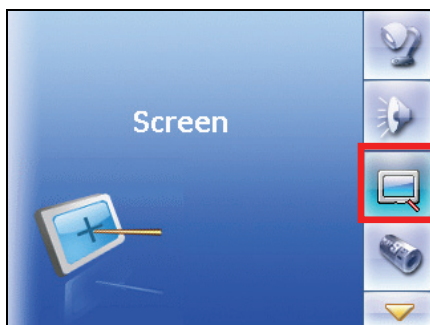



4. Tap the  button to save the changes and go back to the Settings screen.

## 3.4 Screen

You can calibrate the touch screen if it is not responding accurately to your stylus taps.

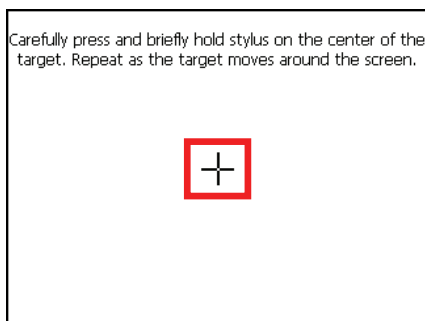
1. Tap the **Setting** button on the Home screen.
2. Tap the **Screen** button.




3. Tap  to start the calibration.



4. Tap and hold the centre of the target.



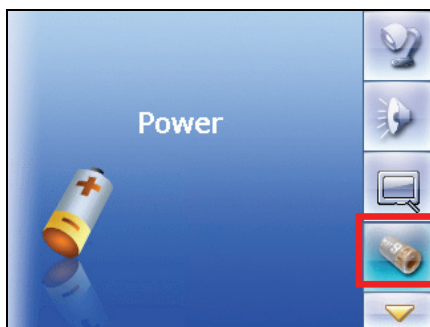
5. When the target moves to another position, tap and hold the centre of the new target. Repeat each time to complete the calibration process.
6. When completed, tap  button to return to the Settings screen.



## 3.5 Power

To check the remaining power level of your battery and/or set up the power saving feature:

1. Tap the **Setting** button on the Home screen.
2. Tap the **Power** button.



3. The Power screen appears showing the remaining power of your battery.

**NOTE:** If the level of power is too low, be sure to charge the battery with the AC adapter or the car charger.


You can set a timer to automatically turn off your device when it is idle for a set period of time. The options include **Never**, **30 minutes**, **20 minutes**, and **10 minutes**.

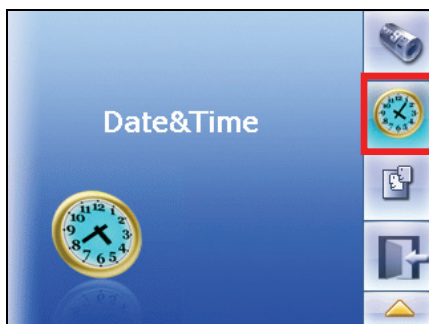


4. Tap the  button to save the changes and go back to the Settings screen.

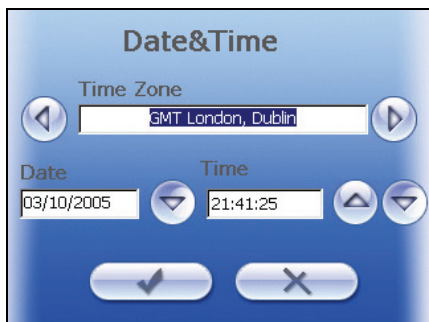
## 3.6 Date&Time

To set the date and time:

1. Tap the **Setting** button on the Home screen.
2. Tap  to go to the next page.
3. Tap the **Date&Time** button.




4. To change the time zone, tap the left/right arrow in the **Time Zone** item.



5. To change the date, tap the down arrow in the **Date** item. A calendar pops up. Tap the left arrow on the calendar to go to the earlier month and year or the right arrow to the later month and year. Alternatively, you can tap the month or year on top of the calendar to directly change the month or year.


When the calendar shows the current month, tap the date on the calendar.

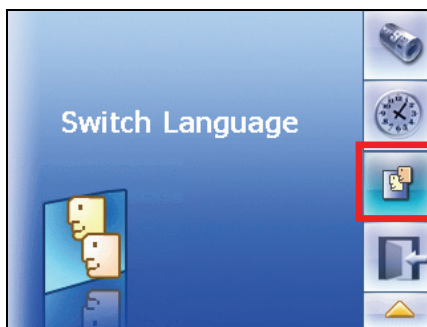


6. To set the time, first tap the hour, minute, or second in the **Time** item and then tap the up arrow to increase or down arrow to decrease the value.
7. Tap the  button to save the changes and go back to the Settings screen.

## 3.7 Change Language

To change the system and voice language:


1. Tap the **Setting** button on the Home screen.
2. Tap  to go to the next page.
3. Tap the **Change Language** button.



4. If your device supports multi-languages, tap the left or right arrow to select the system language.

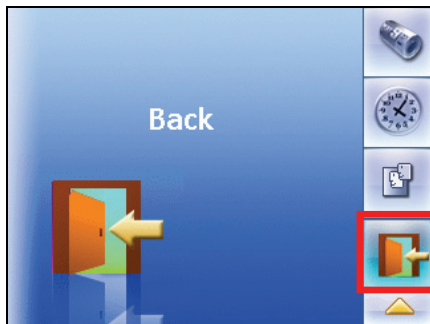


**NOTE:** The available language options depend on your region of purchase.

5. Tap the  button to save the changes and go back to the Settings screen.

## 3.8 Back

The **Back** button brings you back to the Home screen.



# 4

## MP3 Player

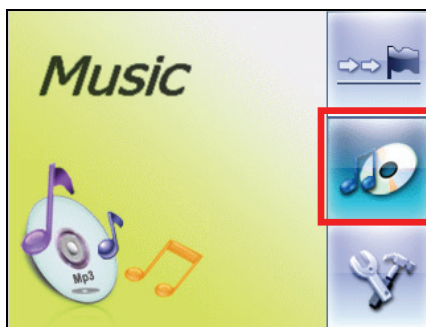
This chapter tells you how to play MP3 files on your device.

### 4.1 Starting and Exiting the MP3 Player

The MP3 Player program turns your device into an MP3 player. It features:

- Playback of MP3 files
- Basic playback controls such as play, pause, stop, next and previous
- Graphic equalizer settings with 17 presets
- Playback includes single selection playback, repeat, single repeat, sampling playback, normal sequence and random sequence.
- Play list support

Tap the **Music** button on the Home screen to start the MP3 Player program.



The control panel will appear on the screen where you can easily control the MP3 player by tapping the control buttons.



To exit the program, tap  on the lower right of the screen.

## 4.2 Playing MP3 Files


1. To play MP3 files on your device, you must have the files ready in any of the two locations:

- The **\MP3** folder on a storage card
- The **\My Flash Disk\MP3** folder on your device


Create a folder named “MP3” in either location and copy the files to this folder.

2. Tap the **Music** button on the Home screen to start the MP3 Player program.
3. The program will search for all the MP3 files on your device and in your storage card. When MP3 files are detected, they will be added to the play list.

**| NOTE:** You can create your own play lists for future playback. (See section 4.4 for details.)













4. To start the playback, tap . To control the playback, use the control buttons as described later.










5. To exit the program, tap  on the lower right of the screen. You will return to the Home screen.

## MP3 Playback Control

You can control the MP3 Player via the control buttons. See the table below for details:

Control Button	Name	Description
 or 	Play/Pause	Play or pause the playback.
	Stop	Stop the playback.
 or 	Previous/ Next	Move to the previous or next file.
 or 	Volume	Increase or decrease the volume. The indicator on the upper right corner of the panel shows the current volume level.
	Playback Mode*	Cycle through the following modes: <ul style="list-style-type: none"> <li> Repeat the current file</li> <li> Repeat all (Default)</li> <li> Single playback</li> <li> Sampling playback</li> </ul>

	Sequence*	 Normal sequence (Default)
		 Random sequence
	Open Play List	Open play list. (See Section 4.3 for more information.)
	Equalizer	Open or close the equalizer panel. (See Section 4.4 for more information.)
	Help	Introduce the function and operation of each icon. Tap an icon to see a description line at the bottom of the screen.
	Close MP3 Player	Close the program and return to the Home screen.

\* **Table Note:** When you restart the MP3 Player, both playback mode and sequence will return to its default settings.

## 4.3 Using Play Lists


By default, the system automatically loads all MP3 files in the play list. You can also create your own play lists for future use.

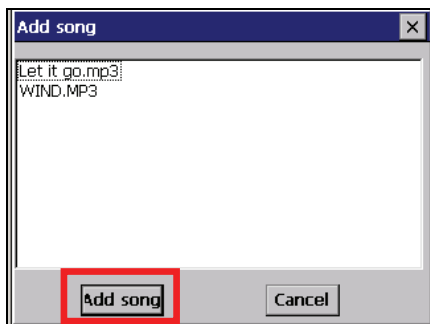
### Creating a Play List



1. After starting MP3 Player, tap  on the right toolbar to open the play list screen.







2. To add a song in the play list, tap the Add Song button  at the bottom of the screen. A screen appears displaying all the MP3 files. Tap the song you wish to add and then tap **Add Song**.

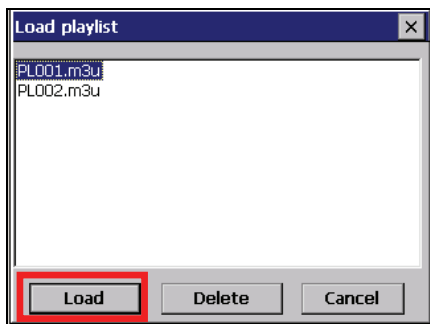


3. Repeat the same procedure for the other songs to be added.
4. To save the play list, tap the Save Playlist button  at the bottom of the screen and then **Yes**.
5. To return to the control panel, tap  on the right toolbar.

## Opening a Play List

To open one of the play lists that you have created:

1. After starting MP3 Player, tap  on the right toolbar.
2. Tap the Load button  at the bottom of the screen.
3. Tap the play list you want to open and tap **Load**.



# Managing Your Play Lists

When you have opened a play list, you can edit or remove the list.


- **To remove a song from the list:**

Tap the song and then tap the Delete Song button  at the bottom of the screen.




- **To remove all songs from the list:**

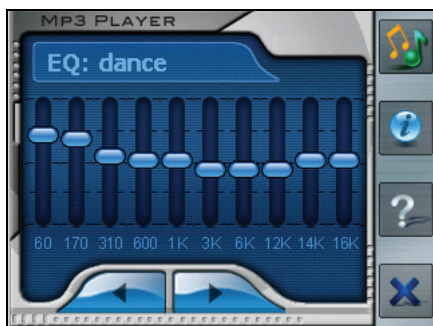
Tap the Delete All button  on the right toolbar.



- **To delete a play list:**

Tap the Load button  at the bottom of the screen. Tap the play list you wish to delete and then tap **Delete**.

## 4.4 Equalizer

The MP3 Player provides 17 presets for various music effects. Tap  to open the equalizer panel and tap  left button and  right button to access various preset audio profiles. Available options are *Default*, *blues*, *classical*, *club*, *dance*, *full bass*, *full bass & treble*, *full treble*, *dance hall*, *live*, *party*, *pop*, *reggae*, *rock*, *ska*, *soft*, *classic rock* and *techno*.



To close the equalizer panel and return to control panel, tap  on the right toolbar. To end the program, tap  at the bottom of the toolbar. You will return to the Home screen.

# 5

## Using the Application CD

This chapter tells you how to install ActiveSync for transferring data between your device and a computer.

### 5.1 About the Application CD

The Application CD provides two function items:

- **ActiveSync**  
Installs Microsoft® ActiveSync® with which you can copy data such as MP3 or map files to your storage card.
- **Manual**  
Allows you to read this User's Manual.

To use the CD, insert it into the CD-ROM drive of your computer. The auto run screen appears as shown below. (If it does not appear, double click the **AutoRun.EXE** file on the CD.)

## 5.2 About ActiveSync

ActiveSync allows you to establish the connection between your device and computer.

**CAUTION:** Do not connect your device to your computer before ActiveSync is installed.

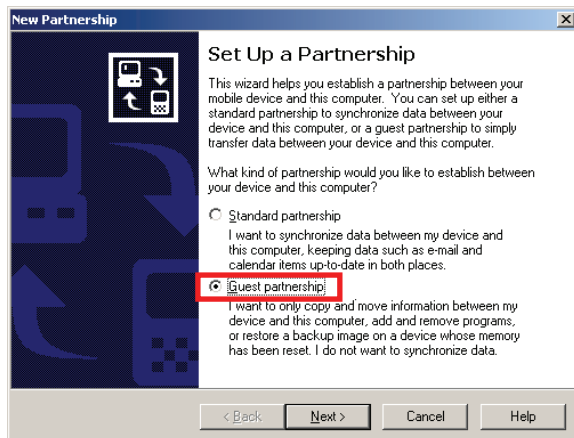
### Installing ActiveSync

1. Turn on your computer and your device.
2. Insert the Application CD into the CD-ROM drive of your computer. The auto run screen appears.
3. Click the **Install** button in the **ActiveSync** section. The installation wizard will start automatically.
4. Follow the onscreen instructions to finish the installation. A status window indicates the progress of the installation.
5. When prompted, connect the mini-USB end of the ActiveSync cable to the bottom of your device and the other end to a USB port on your computer.



6. When the **New Partnership** wizard screen appears, select **Guest Partnership** to connect as a guest device.

**NOTE:** This device does not support synchronization with your computer. Therefore, you do not need to establish **Standard Partnership**.

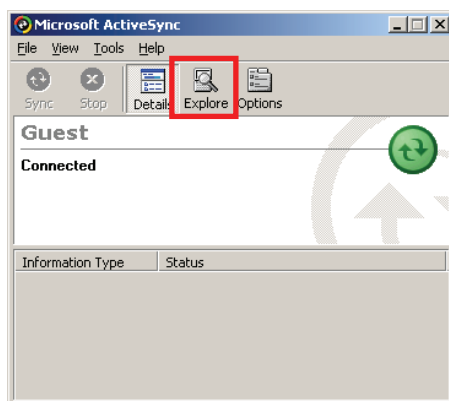


## Using ActiveSync

Once ActiveSync is installed on your computer, you can use it to transfer files (i.e. MP3 files) between your device and your computer.

**CAUTION:** Be discreet when you delete files from your device. Deleting files of which the function is unknown can cause programs or features to malfunction.

Whenever you connect your device to your computer with the ActiveSync cable, the **New Partnership** wizard screen appears. Always select **Guest Partnership** to connect as a guest device. Then you can use the Explorer function to browse the mobile device and transfer data. (See the ActiveSync online Help for instructions on copying files.)





# 6

## Troubleshooting and Maintenance

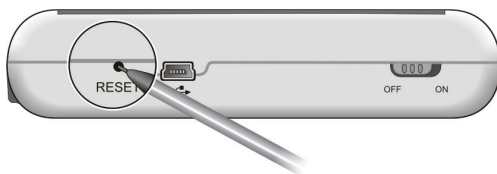
This chapter gives solutions to common problems you may encounter. It also provides guidelines on how to take care of your device.

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

### 6.1 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.”

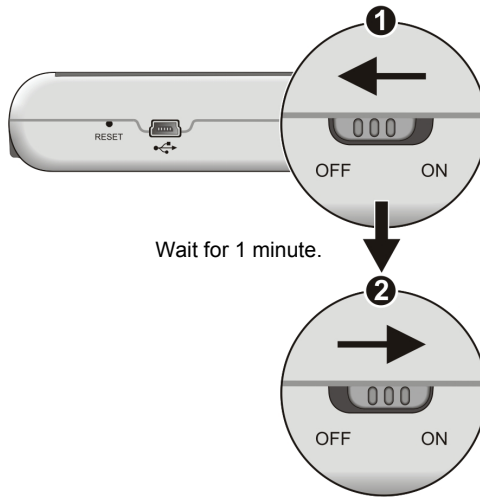
Use the stylus to press the reset button on the side of your device. This is called a “soft reset.” The Home screen should appear after a soft reset.



If your device still does not respond after a soft reset, you can use the following steps to perform a “hard reset.”

**NOTE:** Date/time, language, and volume settings restore to the default values when you perform a hard reset.

1. Disconnect all cables, including the AC adapter, from your device.
2. Use the stylus to slide the ON/OFF switch to the OFF (left) position.
3. Wait for 1 minute and then slide the switch back to the ON (right) position.



4. Your device turns on and displays the initial start up screen. Complete the settings as described in section 1.1.

## 6.2 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 and if necessary adjust the brightness.

## Inaccurate response to stylus taps

- Recalibrate the touch screen. (See section 3.4 for instructions.)

# 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 and heated screens.

## 6.3 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 and condensation build up inside the unit, which could damage your device. In the event of moisture or 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 your back pocket for this reason.
- The screen surface can easily be scratched. Use only the stylus to tap on the screen. Avoid touching it with your fingers, pens, pencils or any other 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.

# 7

## 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.

### 7.1 Regulations Statements

#### 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

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.

## 7.2 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.