



ITEM # ME



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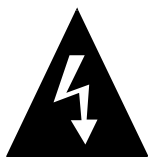
AUTOMOTIVE NAVIGATION SYSTEM (GPS)

HARDWARE INSTRUCTION MANUAL

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Important Safety Instructions



CAUTION

**RISK OF ELECTRIC SHOCK
DO NOT OPEN!**



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USE-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated “dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

POWER SUPPLY:

Connect the supplied adaptor to the USB port of the unit. Plug the two-prong end of the power cord to an AC100-240V outlet. If you have difficulty inserting the plug, turn it over and reinsert it. If the unit is not used for a long time, disconnect the plug from the outlet.

NOTE:

Before plugging the power cord into an AC outlet, make sure that all the connections have been made.

CAUTION: These servicing instructions are for use by qualified service personnel only. To reduce the risk of electric shock, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer to service manual for servicing instructions. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Important Safety Instructions

NOTES

- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.
- 5) Do not use this apparatus near water.
- 6) Clean only with a damp cloth.
- 7) Do not block any of the ventilation openings. Install in accordance with the manufacturer's instructions.
- 8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong is provided for your safety. When the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
- 10) Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
- 13) Unplug this apparatus during lightning storms or when unused for long periods of time.
- 14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 15) Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.



To prevent the GPS from being damaged, be sure to keep the GPS out of direct sunlight or heat.



Important Safety Instructions

Warning

Failure to avoid the following potentially hazardous situations may result in injury or property damage.

The unit is designed to provide you with route suggestions. It does not reflect road closures or road conditions, traffic congestion, weather conditions, or other factors that may affect safety or timing while driving.

Use the unit only as a navigational aid. Do not attempt to use the unit for any purpose requiring precise measurement of direction, distance, location, or topography. This product should not be used to determine ground proximity for aircraft navigation.

CAUTION:

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

The batteries (or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Important Safety Instructions

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, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with limits for 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 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:

1. Reorient or relocate the receiving antenna.
2. Increase the separation between the equipment and the receiver. Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
3. Consult the dealer or an experience radio/TV technician for help.

The images in this manual are only for reference and they may be different from the actual ones.

Accessories

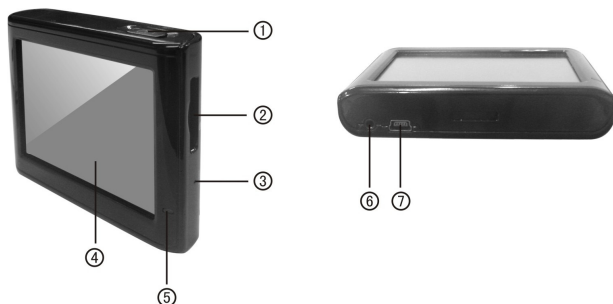
Accessories List

ITEM	NAME	QTY
	Instruction Manual	2
	AC Adaptor	1
	Car Adaptor	1
	Mounting Bracket	1
	USB Cable	1
	Magnetic Cradle	1
	Stylus	1
	Dashboard Mount Disk	1
	Pouch	1

NOTE

Accessories and their parts numbers are subject to modification without prior notice due to improvements.

View of Main Unit



1. POWER Button

Press power button to turn on the unit or exist standby or power off mode.

2. Card Slot

Insert the SD card into the slot.

3. RESET Hole

Press the reset button with a metal pin to reset the system.

4. LCD Screen

5. Charge Indicator

When charging the battery, it is red. When the battery is fully charged, it turns green.

6. Earphone Jack

Used to connect earphones for private listening.

When the earphones are connected to this jack, the speaker will be turned off automatically.

7. USB Port

Connect to the supplied adaptor to charge the unit.

8. Magnet

Used to secure the unit onto the magnetic cradle firmly.



System Connections

- Always ensure that the unit and any other external device connected to the unit are switched off and unplugged from the power supply before you attempt to connect the unit to any external device.

Connecting to PC

The unit is designed with a USB port which allows you to connect the unit to a PC for map updating or charging. See the figure below for details:



System requirements:

- Windows 98SE, ME, 2000 and XP
(Driver required for Windows 98SE)
- DVD Rom Drive (for map upgrade purposes)
- Intel Pentium II 233 MHz
- 64 MB RAM
- 50 MB available hard drive space
- Available serial port and/or USB Port
- 256-color display adaptor and monitor
(16 bit color required)

System Connections

Inserting SD Card

The unit is designed with SD Card Slot which allows you to insert a SD card into the unit as shown below:



To remove the card, gently press the card in with your fingernail. The card unlocks and protrudes slightly. You can now remove the card.

Connecting to Earphones

Connect the earphones to the bottom of the unit for private listening.



When earphone is connected, the speakers will automatically turn off.

Note: Excessively loud volume could damage your hearing. So turn down the volume before you connect the earphones, and then raise the volume to comfortable level.

The SD card and earphones are not supplied.

Power Supply Preparation

Using the AC Adaptor

The unit is supplied with an AC adaptor for powering and charging its battery.

1. Connect AC adaptor to the USB port, as shown on the right.
2. Plug the two-prong end of the power cord into a grounded electrical outlet.



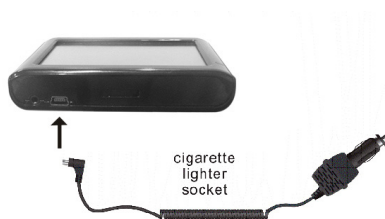
Note:

- Turn unit's power off before unplugging.
- When using the adaptor, the LCD screen will be brighter than with the rechargeable battery.

Using the Car Adaptor

The unit is supplied with a Car Adaptor for powering while in a vehicle.

Connect the Car Adaptor Power Plug to the unit's USB port and plug the other end to the vehicle's 5V accessory/ cigarette socket, as shown on the right figure.



Attention

- Place the unit in a proper position for viewing.
- Disconnect the unit from the Car Adaptor when starting the vehicle.

Your portable GPS unit comes with a built-in rechargeable battery. Please see details in the following segment.

Power Supply Preparation

Working conditions and precautions for the rechargeable battery

- Battery should only be used and charged when temperatures are between 32°-100°F.
- Maintain well-ventilated conditions around the product to avoid overheating. Don't put the product on a bed, sofa or anything that may block ventilation to the product.
- When the battery is weak, an indication menu will appear on the LCD screen and after a little while, the unit will power OFF automatically.

Charging the Battery Pack

The battery must be charged by using the supplied Adaptor.

Power On/Off

Press and hold the **Power** button for a while to turn on the equipment. You should enter the main menu when the device is turned on.

Press and hold the **Power** button for a while again to turn the unit or screen off. You should have two options – **Standby** and **Power Off**. Tap “Standby” to turn off the screen (Press and hold the **Power** button for while to wake up the screen). Tap “Power Off” to turn off the power.

The device will be power off in

18 seconds.

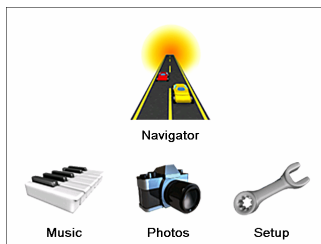
Standby


Power Off


General Setup


System Main Menu


In the main menu, there are four items for selecting. Touch the corresponding item to enter.



Tap  to enter the Navigator.

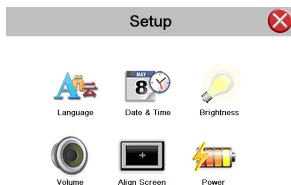
Tap  to enter the MP3 Player.

Tap  to enter the Photo Viewer.

Tap  to enter the Setup menu.

Setup Menu

In the main menu, tap  to enter the Setup menu, the screen will display as below:



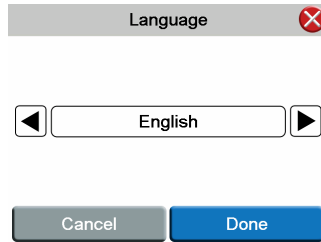
In the Setup menu, tap  to return to the main menu.

General Setup

Language



Tap Language in the Setup menu to enter **Language** setting menu for language selecting, as shown below:



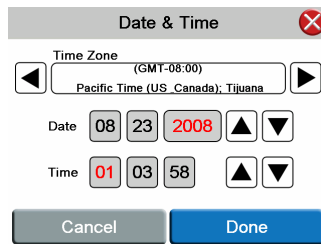
Tap the ◀ ▶ buttons to select language.

Then tap **Done** to confirm or tap **Cancel** to cancel.

Date & Time



Tap Date & Time in the Setup menu to enter **Date & Time** setting menu for changing to the current time zone, date and time, as shown below:



Tap the ◀ ▶ buttons to select the proper Time Zone.

Tap the ▲ ▼ buttons of Date group to change the corresponding date.

Tap the ▲ ▼ buttons of Time group to change the corresponding time.

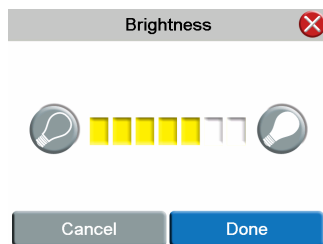
Then tap **Done** to confirm or tap **Cancel** to cancel.



General Setup

Brightness



Tap **Brightness** in the Setup menu to enter **Backlight** setting menu for backlight adjusting, as shown below:



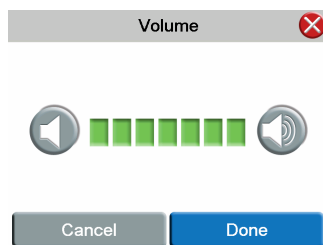
Tap  ,  to darken or increase the brightness of the display.

After setting, tap  to confirm or tap  to cancel.


Volume



Tap **Volume** in the Setup menu to enter **Volume** settings menu for volume adjusting, as shown below:



Tap the  to decrease the volume.

Tap the  to increase the volume.

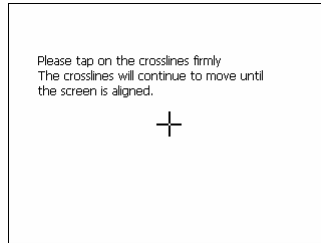
Then tap  to confirm or tap  to cancel.

General Setup

Align Screen



Tap **Align Screen** in the Setup menu to align the screen, as shown below.

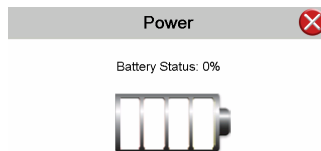


Tap the center of the cross with your finger. When the cross moves to another position, tap and hold the center of the new target. Repeat each time to complete the calibration process. When tapping the screen on the final step, the new settings will be stored and you are returned to the Display menu.

Power



Tap **Power** in the Setup menu to enter **Power** menu, as shown below:



The Power menu displays the unit's battery status. The values are between 0% and 100%, where 0% means the battery power has run out completely, and 100% represents a full battery power. When the battery is being charged, the Battery Status will be "Charging".

Playing Music

The unit is designed with SD card slot and supports MP3 and WMA format files playback.

You can insert the SD card with MP3 or WMA files in the unit for music enjoyment.

Note: Do not store MP3 or WMA format files in the Flash storage, for the flash storage is used to store map data, any attempt to open the Flash storage may result in the map data missing and lost.

Warning: For your own safety, do not use the earphones when driving.

Take the following steps to play:

Loading MP3 format files:

1. Insert the SD card with MP3 files.
2. Turn on the unit.

A note regarding the music playing function:

The unit has the ability to play your favorite music files. This is accomplished by using the unit's SD card slot, located on the right side.

- Music files should previously reside on the user's SD card.
- Music files can be imported to the user's SD card on a PC, using a variety of programs such as Windows Media Player.
- This process should be performed independent of the navigation unit.

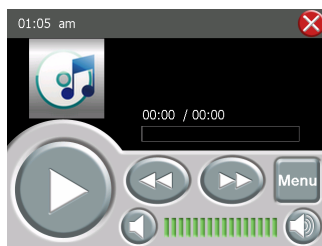
Do not attempt to use the unit to read and burn music files from an external source.

Playing Music

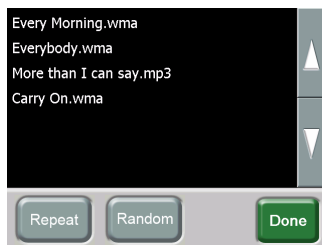
Playing Music



Tap **Music** in the system main menu to enter the Music Player, as shown below:





Tap **Menu** button to enter the music play list menu, as shown below:





When you open the play list, the system will look for audio files on its SD memory card and create a play list automatically.

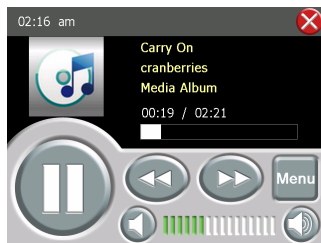
If the play list consists of more than one screen, tap the up arrow for the previous page and the down arrow for the next page.



Playing Music



Tap  /  toggle buttons to determine whether the player will repeat the songs in the play list or not.

Tap  /  toggle buttons to determine whether or not to play the songs in the list randomly.


Tap  to return to Music Player and tap  to play the music, as shown below.



Tap  /  toggle button to pause or resume the playback.

Tap  to go back to the previous song; tap  to skip to the next song.

Tap ,  to decrease or increase the volume of the speaker.

Tap the progress bar  to select the desired playback starting point.


Tap  in the top right corner to exit.

Photo Viewer

The unit is designed with SD card slot. You can insert the SD card with JPEG files. It supports JPEG format files playback.

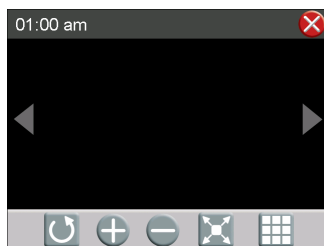
Note: Do not store JPEG format files in the Flash storage, for the flash storage is used to store map data, any attempt to open the Flash storage may result in the map data missing and lost.


It lags when reading high-resolution JPEG files in SD Card. We suggest low-resolution (within 640*480) pictures playback.

Playing Photos



Tap **Photos** in the system main menu to enter the Photo Viewer, as shown below:



In the menu, tap  to enter the folder menu, as shown below:

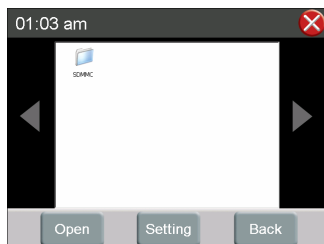
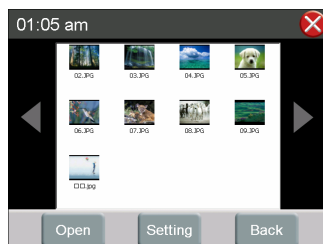


Photo Viewer

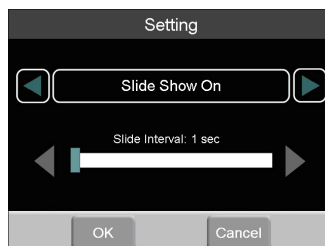
In the folder menu, double tap the memory card icon, and the photos stored in the memory card will be listed on the screen.



In the photo list, double tap a photo to play it on the LCD screen. You can also tap a photo to select it and then tap **Open** to play it.

Tap **Back** to return to the previous menu.

Tap **Setting** to enter the Setting menu for setting the Slide Show, as shown below.

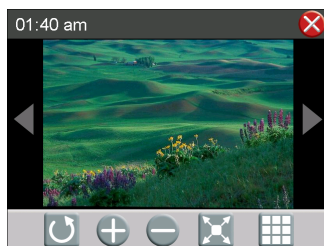


You can set the slide show on or off to determine whether or not play photos in slide mode.

When the slide show is on, you can set the interval between two photos during slide show.

Photo Viewer

When playing photos, the Photo Viewer has following playback features:



Tap ◀ to go back to the previous photo; tap ▶ to switch to the next photo.

Tap ↺ to rotate the photo.

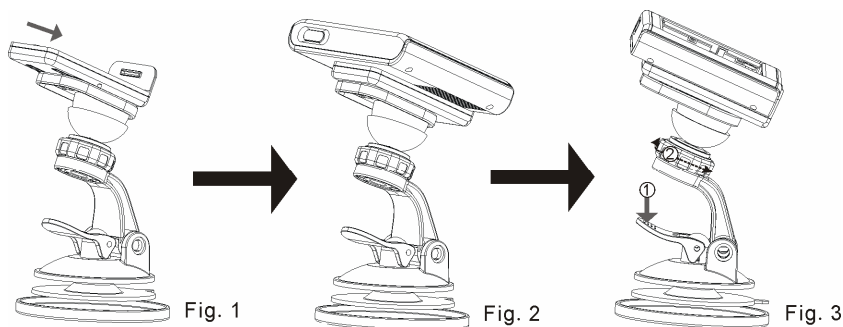
Tap +, - to zoom the photo in or out.

Tap 🖼️ to play the photo in full-screen mode; double tap the screen again to return to Photo Viewer.

Tap 📖 to return to the photo list.

Use of the Mount Accessories

When using the unit in vehicle, you can use the supplied mount accessories (mount bracket, magnetic cradle and dashboard mount disk) to mount the unit in the vehicle. Take the following steps to operate:



1. See Fig. 1. Following the arrow, slide the mount cradle onto the mount bracket to fix it.
2. See Fig. 2. Fix the unit on the magnetic cradle.
3. See Fig. 3. Lift the suction cup lever and then press the suction cup to the windshield. Following the arrow ①, press down the suction cup lever. Then rotate the knob to adjust the unit to proper position.
To mount to dashboard, use the included adhesive disk. Choose a clean, dry spot on your dashboard, peel off protection liner from the back of the disk, and then attach the disk to your dashboard.

Warning:

When you mount the device in your vehicle, ensure it has a clear line of sight to the sky. The device must not be mounted so that it impairs the driver's view of the road. Please take extra precaution to ensure the airbags are not obstructed by the device.

Troubleshooting

Take these steps described in the tables below to solve simple problems before contacting customer service.

If you suspect something wrong with this unit, immediately turn the power off and disconnect the power connector from the unit. Never try to repair the unit yourself because it is dangerous to do so.

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
There is no sound	The volume may be turned down.	Turn up the volume.
There is no picture.	The brightness may be turned down.	Adjust the brightness of the LCD.

Other possibilities:

Static or other external interference may cause the unit to function abnormally. In order to recover normal status, please unplug the power supply cord and then plug it into the outlet again to reset the unit. If the problems still exist, please cut off the power supply and consult your service center or a qualified technician.

Specifications

TFT screen size	3.5 inches
Frequency Response	20Hz~20kHz
Audio Signal-to-noise Rate	$\geq 65\text{dB}$
Audio distortion or noise	$\leq -20\text{dB}$ (1kHz)
Channel Separation	$\geq 70\text{dB}$ (1kHz)
Dynamic Range	$\geq 80\text{dB}$ (1kHz)
Power	AC 100-240V \sim 50/60Hz; DC 5V
Power Consumption	< 8W
Dimensions	90mmX75mmX17mm (L*W*D)
Weight	125g

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