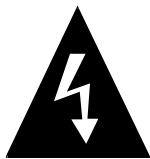


Important Safety Instructions



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 OF MOISTURE.

POWER SUPPLY:

Connect the supplied adapter to the side of the unit in the USB port. 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 will not be 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 the unit from the DC car adaptor when not in use.**
- 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.



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.

Underwriters Laboratories Inc. ("UL") has not tested the performance or reliability of the Global Positioning System ("GPS") hardware, operating software or other aspects of this product. UL has only tested for fire, shock or casualty hazards as outlined in UL's Standard(s) for Safety [Note-Consider referencing specific UL standard].

UL Certification does not cover the performance or reliability of the GPS hardware and GPS operating software.

UL MAKES NO REPRESENTATIONS, WARRANTIES OR CERTIFICATIONS WHATSOEVER REGARDING THE PERFORMANCE OR RELIABILITY OF ANY GPS RELATED FUNCTIONS OF THIS PRODUCT.

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.

Important Safety Instructions


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
	USB Cable	1
	Windshield Mount Bracket	1
	Mount Cradle	1
	Touch Pen	1
	Dashboard Mount Disk	1
	Pouch	1

NOTE

Accessories and their part number are subject to modification without prior notice due to improvements.

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View of Main Unit



- 1. Microphone Hole**
- 2. Standby Button**
Press for a longer time to enter or exit the standby mode.
- 3. Card Slot**
Insert the SD card into the slot.
- 4. Earphone Jack**
Used to connect earphones for private listening. When the earphones are connected to this jack, the speaker will be turned off automatically.
- 5. USB Charging Port**
Connect to the supplied adapter to charge the unit.
Used to connect to the USB device.
- 6. Charge Indicator**
When charging the battery, it is red. When the battery is fully charged, it turns green.
- 7. LCD Screen**
- 8. ON/OFF Switch**
Used to switch power on or off.

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.

Inserting SD Card

The unit is designed with SD Card jack that allows you to insert the 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. Then remove the card.

Note: The SD card is not included.

Connecting to Earphones

Connect the earphones to the right side 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.

Power Supply Preparation

Using the AC Adaptor

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

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



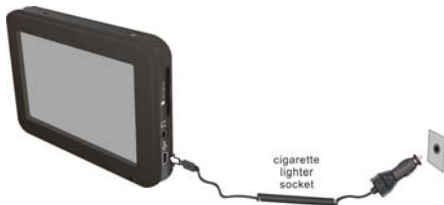
Note

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

Using of Car Adaptor

The unit is supplied with a Car Adaptor for powering it 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 comes with a built-in rechargeable battery. Please see details in the following segment.

Power Supply Preparation

About Rechargeable Battery

Your portable GPS comes with a built-in rechargeable battery. Charge the battery fully before initial use. Charging time is normally about 3.5 hours. A fully charged battery delivers about 2 hours of use.

Working conditions and precautions for the rechargeable battery

- New batteries should be fully charged before initial use.
- Battery should only be used when temperatures are between 14°-140°F (-10°C-60°C). And it should be charged when temperatures are between 32°-113°F(0°C-45°C)
- 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 using the supplied adaptor.

General Setup

System Main Menu

When turn on the unit, the system main menu appears, as shown below.



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

Tap  to enter navigation mode.


Tap  to enter Photo Viewer.


Tap  to enter the Music Player.


Tap  to enter Video Player.


Tap  to enter Voice Recorder.


Tap  to enter File Manager.

Tap  to enter Calculator.

Tap  to enter Alarm.

Tap  to enter the settings menu.


: Indicates the unit's battery status.

: Indicates the unit's speaker mute on or off.

The time in the top right corner is the current time of the unit.

You can set the speaker and the time in SETTINGS menu.

Settings Menu


Tap  to enter the settings menu, the screen will display as below:







In the settings menu, tap  to return to the system main menu.

General Setup

LANGUAGE

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







Tap the   buttons to select language. Then tap  to confirm or tap  to cancel.


BRIGHTNESS

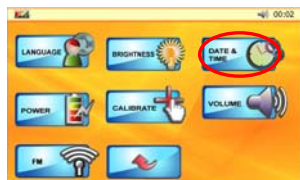
Tap  in the settings menu to enter **Backlight** setting menu for backlight adjusting, as shown below:











Tap the first group   buttons to adjust the backlight level. After setting, tap  to confirm or tap  to cancel.

DATE & TIME

Tap  in the settings menu to enter **DATE & TIME** settings menu for changing to the current time zone, as shown below:




General Setup

Tap the   buttons to select the proper Time Zone. Tap the   buttons of Date group to change the corresponding date and tap the   buttons of Time group to change the corresponding time. After setting, tap  to confirm or tap  to cancel.

POWER

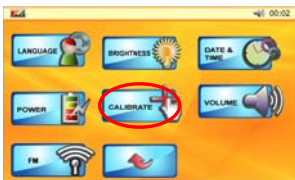
Tap  in the settings menu to enter **POWER** menu for the current battery status, as shown below:



The power menu will display the current battery status. Tap  to return.

CALIBRATE

Tap  in the settings menu to calibrate, the screen will display as below:




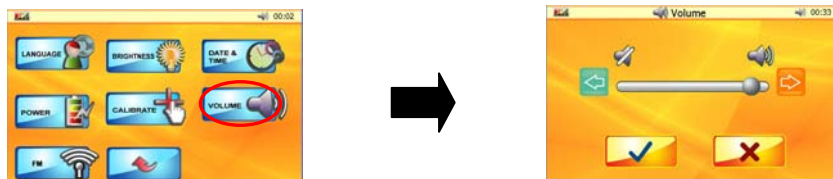
This item is used to calibrate the sensitivity of the touch screen. Tap the center of "+" as it moves around the screen. If you touch the center of "+" every time, it will disappear after having moved through a cycle (center→top left→bottom left→bottom right→top right). Tap the screen to return to the settings menu.





Note: If "+" doesn't disappear, you should calibrate again.

General Setup

MASTER VOLUME


Tap  in the settings menu to enter **VOLUME** setting menu for master volume adjusting, as shown below:

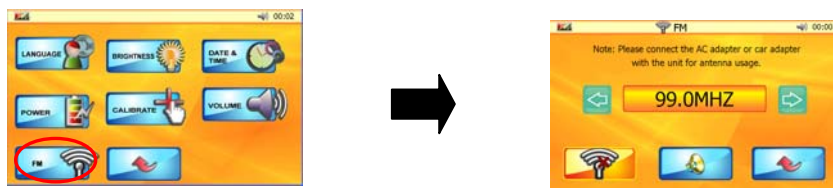




Tap the   buttons to adjust the master volume. Then tap  to confirm or tap  to cancel.





Note: there are two levels of volume control: one is the master control in the general setup; the secondary volume control is in the navigation, Music Player or Video Player.

FM

Tap  in the settings menu to enter FM setting menu. You can transmit your system's audio over an FM radio frequency, so you can listen to its audio in stereo over any nearby FM radio.



Tune a nearby FM radio to a frequency that doesn't receive any station. Tap   buttons to adjust the frequency same to the radio's. Adjust your radio's volume settings; the GPS route prompts will be played over your FM radio.

Tap  /  toggle buttons to disable or enable the function; tap  /  toggle buttons to turn off or on the speaker.

Tap  to exit.

Note: When the FM function is enabled, you must connect the AC adapter or car adapter with the unit for antenna usage.



Playback Functions

The unit is designed with SD card slot. You can insert a SD card with MP3, MPEG-4 and JPEG files for audiovisual enjoyment.

Note: Do not store these 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.

A note regarding the playback function:

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

- These files should previously reside on the users SD card.
- These files can be imported to the users 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 these files from an external source.


Take the following steps to play:

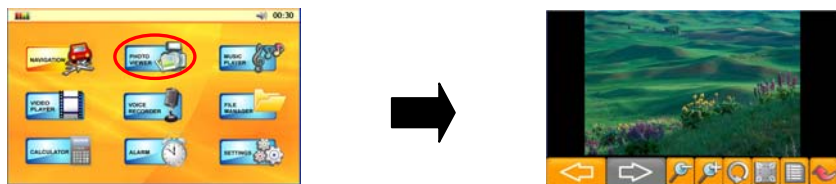
Loading files

1. Insert the SD card with these files into the card slot on the right side of the unit.
2. Turn on the unit.


Playback Functions



Playing Pictures

In the main menu, tap , the Photo Viewer screen appears and the pictures in the SD card will be displayed automatically, as shown below:





On the playback screen, the Photo Viewer has following playback features:

Tap  to back to the previous picture; tap  to switch to next picture.

Tap  and  to zoom the picture in or out.

Tap  to rotate the picture.

Tap  to play the picture in full-screen mode; double tap the screen again to return to the normal mode.

Tap  to exit the Photo Viewer.


Tap  to enter the pictures list, as shown below.



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

Double tap the name of a picture to play it on the screen.

Use the scroll bar to scroll the picture list up or down if it contains more than one screen.

Tap  to return to the Photo Viewer.

Playback Functions


Playing Music

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

In the main menu, tap  to enter the Music Player, as shown below:






In the Music player, there are several standard playback features.

Tap  to start playing and the button changes to pause button.

During playback, you can tap the button to pause and tap the button again to resume.

Tap  to stop the playback.


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


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


Tap  to select the desired playback starting time.


: The player will repeat all the songs in the play list.


: The player will not repeat the playback of the play list.

: The player will play the songs in the play list in sequence.

: The player will play the songs in the play list randomly.


Tap  to close the Music Player.

Tap  to return to the previous menu. User will be able to listen to the music while in navigation mode. The music will stop automatically to enable user to listen to the navigation instruction.

Tap  to enter the music play list, as shown right.

When you open the play list, the system will look for audio files on its SD memory card and create a play list automatically. Tap the name of a song to play it.

Use the scroll bar to scroll the picture list up or down if it contains more than one screen.

Tap  to return to the Music Player.




Playback Functions

Playing Video files

In the main menu, tap  to enter the Video Player, as shown below.




In the Video player, there are several standard playback features.

Tap  button to start playing and the button changes to pause button.


During playback, you can tap the button to pause and tap the button again to resume.


Tap  to stop the playback.


Tap  to back to the previous video file; tap  to skip to the next video file.

Tap  to play the video file in full-screen mode; tap the screen again to return to the normal mode.

Tap  to increase or decrease the volume of the speaker.

Tap  to select the desired playback starting time.

Tap  to exit the Video Player.


Tap  to enter the video play list, 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.


Tap the name of a video file to play it.

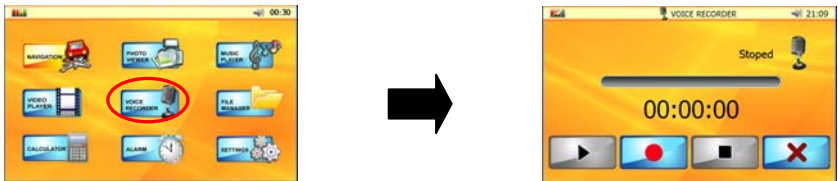
Use the scroll bar to scroll the picture list up or down if it contains more than one screen.

Tap  to return to the Video Player.


Voice Recorder


This unit designed with voice recording function. You can record the desired sound and play it at any moment.


In the main menu, tap  to enter the Voice Recorder, as shown below:





In the Voice Recorder, there are several record features:

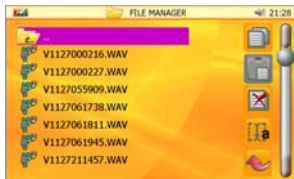
Tap  to exit the Voice Recorder.

Tap  to start recording.

Tap  to stop recording.

Tap  to play the latest voice record. The button will change to : tap to pause the playing.

Other records also have been stored in the unit. You can access them through the File Manager/ Flash_Storage/Voice, as shown below.

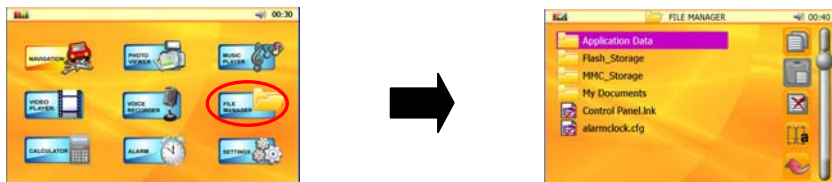


The record's name is represented by the date and time of the record starting. You can play them in Music Player or Video Player.

File Manager


With the File Manager, you can manage the user files of the unit conveniently.


In the main menu, tap  to enter the File Manager, as shown below:





In the File Manager, you are allowed to manage these user files in the following way.


Double tap a folder to open it; double tap  to return to the previous menu.

Tap  to copy the selected file or folder.

Tap  to paste.

Tap  to delete the selected item. A dialogue box appears to ask if you confirm the delete. Tap Yes to confirm; tap No to cancel.

Tap  to rename the selected item and an input panel will appear. Use the keyboard to input the new name.

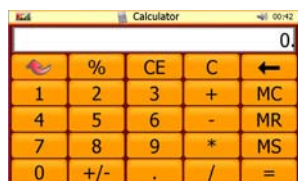
Tap  to exit the File Manager.


Calculator and Alarm

The unit is also designed with a Calculator and an Alarm.


Calculator

In the main menu, tap  to enter the Calculator, as shown below:





In the Calculator, tap  to exit.

Alarm



In the main menu, tap  to enter the Alarm, as shown below:



In the alarm clock, you are allowed to set two alarms.

Tap  to close the alarm and the button changes to ; tap it again to open the alarm.

Tap AM/PM toggle button to change between AM and PM.

The alarm time is composed of three parts: hour, minute and second. These three parts can be set individually. Tap one part to select it and it will change to white from black; and then use the   buttons to adjust corresponding time.

After setting, tap  to confirm or tap  to cancel.

Note: When in the standby mode, the alarm function is disabled.

Use of the Mount Accessories

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



Fig.1

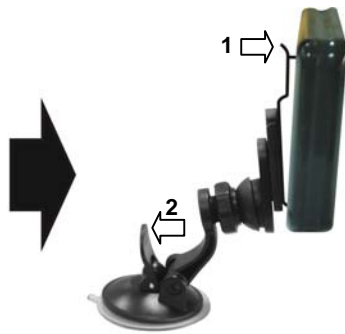


Fig.2

1. See Fig. 1 to slide the mount cradle onto the end of the mount bracket.
2. See Fig. 2. Set the bottom edge of the unit onto the mount cradle. Then push the tap at the top of the mount cradle in arrow 1 direction to mount the unit to the mount cradle. To remove the unit, push the tap at the top of the mount cradle in arrow 1 opposite direction.
3. Lift the suction cup lever and then press the suction cup to the windshield. Then press down the suction cup lever in arrow 2 direction to fix the bracket to the windshield. At the end, rotate the knob to adjust the unit to proper position.

If you want to mount the unit to the dashboard, you can use the adhesive disk:

- 1) Choose a clean, dry spot on your dashboard.
- 2) Peel off protection liner from the back of the disk.
- 3) Attach the disk to your dashboard.
- 4) Mount the bracket to the adhesive disk.

Troubleshooting

Take 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
Users can't turn on the unit.	The adaptor doesn't connect well.	Connect the adaptor correctly.
	The built-in rechargeable battery is weak.	Use the adaptor to supply power or charge the battery.
There is no sound.	The volume may be turned down or mute.	Turn up the volume or turn on the sound output.
Dim screen.	The brightness may be turned down.	Adjust the brightness of the LCD.
The unit can't receive satellite signals or can't orient.	The unit may be obstructed by buildings or metal block.	Make sure to use the unit out of room; if in the vehicle, you can use the external GPS antenna to solve this problem.

Troubleshooting

PROBLEM

The unit can receive signals now but can't then or signals received are not stable.

POSSIBLE CAUSE

POSSIBLE SOLUTION

The built-in rechargeable battery is weak.

Use the adaptor to supply power or charge the battery.

The unit may be obstructed by veil, such as heat insulation paper.

Remove the veil.

Swing of the unit is too great.

Avoid great swing of the unit.

System software of the unit fails to function by

Turn on the unit again.

Other possibilities:

Static or other external interference may cause the unit 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 the qualified technician.

Specifications

TFT screen size	4.0 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~50/60Hz; DC 5V
Power Consumption	< 8W
Dimensions	114mmX80mmX19mm (L*W*D)
Weight	About 0.16kg

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