



ITEM#X3-09



**nextar** 

**AUTOMOTIVE NAVIGATION SYSTEM (GPS)**

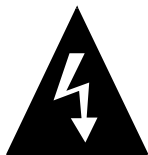
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HARDWARE INSTRUCTION MANUAL

# 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 adaptor to the side of the unit in the slot marked “DC 5V IN”. 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.

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

# Important Safety Instructions

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**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 for reference only and they may appear different from the actual items.***

# Accessories

## Accessories List

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

### **NOTE**

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

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## View of Main Unit



**1. POWER Button**

Press for a longer time to enter or exit the standby mode.

**2. Card Slot**

Insert the SD card into the slot.

**3. Earphone Jack**

Used to connect earphones for private listening. When the earphones are connected to this jack, the speaker will be turned off automatically.

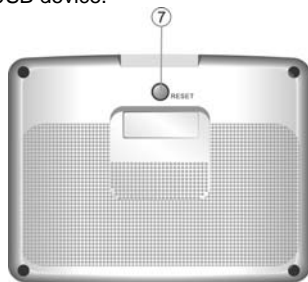
**4. DC 5V Input Jack**

Used to connect to the supplied adaptor.

**5. LCD Screen**

**6. USB Port**

Used to connect to the USB device.



**7. RESET Button**

Press to reset the system.



## 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 an SD Card Slot which allows you to insert an 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 right side of the unit for private listening.



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

**Note:** Overly 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 and charging its battery.

1. Connect AC adaptor to the right side of the unit in the jack marked DC 5V IN, 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 power jack 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 the unit will power off automatically after a while.

## **Charging the Battery Pack**

The battery must be charged by using the supplied adaptor.

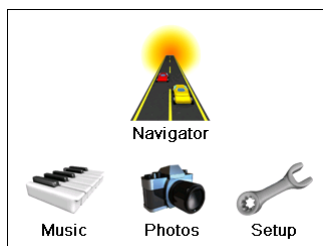
# General Setup

## System Main Menu


When in navigator, tap **Exit** button of the Navigation Menu in simple mode or in advanced mode to exit the application.





A confirmation message appears: Are you sure you want exit the program? Tap Exit and the system main menu appears.




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 Music Player.

Tap  to enter the Photo Viewer.

Tap  to enter the Setup menu.

# General Setup

## Setup Menu



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

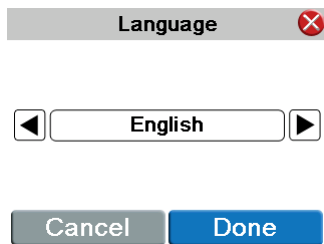


In the Setup menu, tap  to return to the main menu.

## Language



Tap **Language** in the Setup menu to enter **Language** setting menu for language [selection](#), as shown below:



Tap the ,  buttons to select language.

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

# General Setup

## 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.

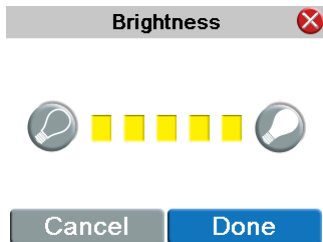
Tap the buttons of Time group to change the corresponding time.

Then tap to confirm or tap to cancel.

## Brightness



Tap **Brightness** in the Setup menu to enter **Brightness** setting menu for backlight [adjustment](#), as shown below:



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

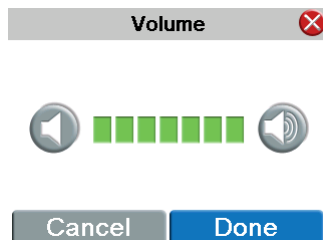
After setting, tap to confirm or tap to cancel.


# General Setup


## Volume



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



Tap the  to decrease the volume.

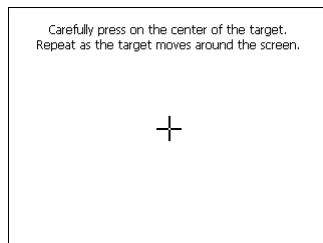
Tap the  to increase the volume.

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

## 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.

## General Setup

### Power



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

**Power** 

Battery Status: 0%



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 an SD card slot and supports MP3 and WMA format files playback. To use the music player, you will need to have an SD card with your MP3 music files preloaded. Please note that you cannot use the navigation function of the device at the same time you are using the music player. Remove the mapping software SD card that comes with the device from the SD card slot on the side of the unit. Then insert your SD card with your MP3 or WMA music files.

**Note:** Please take care of the mapping SD card if you remove it to use the Music Player as the navigation function will not work without it.

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

### 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

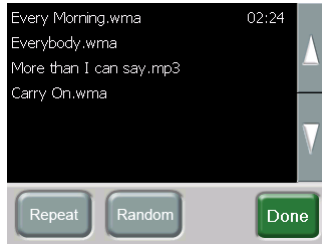


Tap **Music** in the system main menu to enter the Music Player, as shown below:





## Playing Music



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




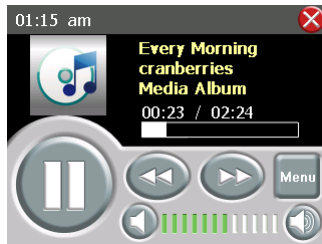
When you open the play list, the system will look for audio files on its SD memory card and create a play list automatically.


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.



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 start the playback and return to Music Player, 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

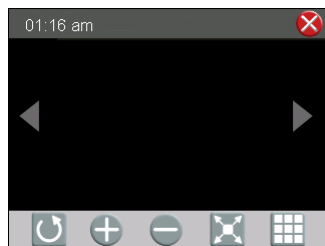
The unit is designed with an SD card slot and supports JPEG format files playback. To use the Photo Viewer, you will need to have an SD card with your JPEG picture files preloaded. Please note that you cannot use the navigation function of the device at the same time you are using the Photo Viewer. Remove the mapping software SD card that comes with the device from the SD card slot on the side of the unit. Then insert your SD card with your JPEG picture files.

**Note: Please take care of the mapping SD card if you remove it to use the Photo Viewer as the navigation function will not work without it.**

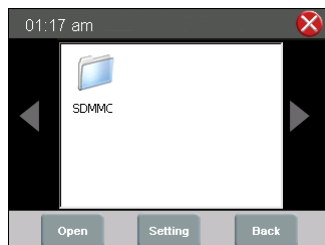
**The unit lags when reading high-resolution JPEG files in the SD Card. We suggest low-resolution (within 640\*480) pictures playback.**



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



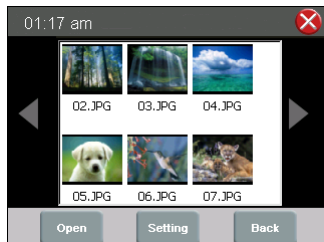
In the menu, tap  to enter the folder menu, as shown below:



# Photo Viewer

## Viewing Photos

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

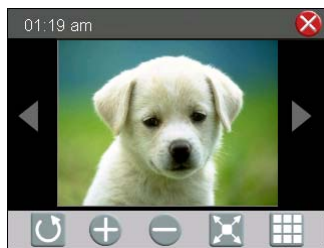


In the photo list, double tap a photo to play it on the LCD screen. You can also tap a photo to select it and then tap **Open** to play it.

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

Tap **Setting** to enter the Setting menu for setting the Slide Show.

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 in or out of the photo.

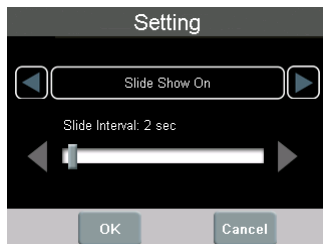
Tap **⌘** to play the photo in full-screen mode; double tap the screen again to return to Photo Viewer.

Tap **📄** to return to the photo list.

# Photo Viewer

## Using the slide show

Firstly, tap  in the photo list screen to enter the Setting menu for setting the Slide Show.

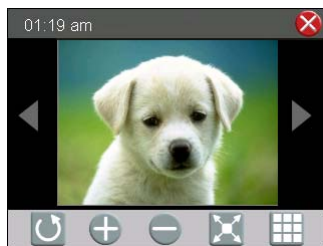



You can set the slide show on or off to determine whether or not to play photos in slide show mode.

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

After setting, tap  to confirm or tap  to cancel.

Secondly, tap a photo in the photo list to open it.



And then tap , the slide show will start.  
To stop the slide show, double tap the screen.

## 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:



1. See Fig. 1. Following the arrow, slide the mount cradle onto the mount bracket to fix it.
2. See Fig. 2. First, set the bottom edge of the unit onto the mount cradle. Then press the two buttons in arrow ① direction and meanwhile push the mount cradle forwards to embed it in the unit.
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
User can't turn the unit on.	The adaptor is not correctly connected.	Connect the adaptor correctly.
	The built-in rechargeable battery is weak.	Use the adaptor to supply power or charge the battery.
Unit will not activate after pressing and holding the stand by button when connected to the adaptor for charging.	The unit had not been used for a long time and built-in battery was overly discharged	Press Reset button to turn the unit on.
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 screen.

# Troubleshooting

PROBLEM	POSSIBLE CAUSE	POSSIBLE SOLUTION
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.
Intermittent reception and/or unstable reception.	The built-in rechargeable battery is weak.	Use the adaptor to supply power or charge the battery.
	The unit may be obstructed by something, such as heat insulation paper.	Remove obstruction.
	The unit is vibrating too much.	Secure the unit firmly
	System software of the unit fails to function after a change.	Turn the unit on again.

## **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 ~ 50/60Hz; DC 5V
Power Consumption	< 8W
Dimensions	100mmX76mmX22mm (L*W*D)
Weight	About 0.25kg

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