

R A D I O



Kaito

Voyager

KA500 WORLD RECEIVER

THE KAITO VOYAGER-SOLAR & CRANK WEATHER ALERT MULTIBAND RADIO
WITH CELL PHONE & MP3/IPOD CHARGER

Thank You:

Thank you for purchasing the KA500 multi-band radio receiver. Please read the manual thoroughly before operating and keep this book in a safe place for future reference. With proper care, you will receive many years of trouble-free service from your new radio.

Description:

The KA500 multi-band radio is perfect for emergency situations and is also ideal for anyone who does not have access to a reliable AC power source. The radio can be powered by solar energy, batteries, AC adapter and hand-crank generator (magneto). With coverage of the AM/FM broadcast bands, 7 **NOAA** weather bands, plus 2 shortwave bands, you'll never run out of things to listen to!

LOCATION OF CONTROLS (front)



LOCATION OF CONTROLS (rear)

- Ni-MH rechargeable battery (included)
- AA X3 Battery compartment (Battery Not included)

This radio is designed for multiple power resources.

A) Five Ways to Power the Kaito Voyager

1) Crank Power (Rechargeable Batteries)

The rechargeable battery pack is already installed in the radio and will power all radio and flashlight functions. To get started, open the battery compartment and simply plug the small white plug attached to the rechargeable batteries into the slot to the left. All you need to do is turn the crank handle for about one minute and it will generate ample power. On the front of the unit, the bottom right switch should be set to set the BATT/DC.

2) AA Batteries

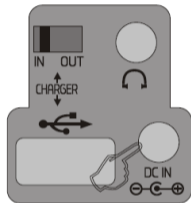
To use AA batteries, open the battery compartment on the back of the unit and insert 3 AA batteries making sure the polarity is correct. Set the Power Selector to BATT/DC. To turn off the radio, set the power selector to OFF position.

3) Solar Power

When set the power selector is set to SOLAR/CRANK, the solar panel will direct power to the radio when exposed to sunlight or natural light indoors. When not using the Voyager, you can easily charge the rechargeable batteries to full power by having the unit near a window or in direct sunlight. The solar panel on the back of the unit rotates a full 180 degrees so you can angle it for optimal charging.

4) AC Power

You can also power the radio by using an AC Adapter (optional) and plugging it into any standard electric outlet and then plug the adapter into the 'DC IN' jack on the back of the unit. You can also charge the internal rechargeable batteries with this method. The DC charge voltage is 4.5V-6.0V DC, the negative as shown. **It is highly recommended to charge the battery 8 hours or less for the first time use.** You can order an adaptor directly from the Kaito website: <http://www.kaitousa.com> or call 1-866-524-8676 ,(909) 628 6088



5) Power via computer USB cable

The Voyager has a direct USB jack on the back of the unit under the rubber flap on the bottom right. You can connect the radio to your computers USB port with any standard USB cable set. Then set the Charging Selector on the back of the unit to "IN", and set the Power Selector to SOLAR/CRANK, and the radio will operate and charge the built-in battery of the USB power.

B) Power Indicators

When the rechargeable battery power is high, the HI green light on the front of the Voyager is on.

When the battery power is low, the LOW red light is on. When you see this, it is recommended to charge the rechargeable batteries.

1. Crank Power

When the battery level indicator is RED, the rechargeable Ni-MH batteries are low. Crank the handle for 1-2 minutes until the HI LED turns Green.

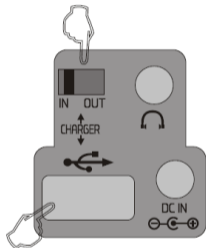
Note: Set the power selector to OFF when crank charging the battery.
This mode will charge the battery most efficiently.

2. Charging via USB (USB cable not included)

There are two functions that can be charged via USB:

a) Charge In: Select 'IN' switch on the back of the unit to charge the rechargeable Ni-MH batteries from your computers USB port. (The max charging time is 6 Hours)

b) Charge Out: Select 'OUT' switch to charge your cellphone, iPod or Players via the Voyager's built in USB port. USB devices such as iPod, or Blackberry can plug directly into the units USB port. For other cell phone models, use one of the power tips that come with the unit that charge most popular cell phone models. Once you have plugged your phone or other digital device into the USB, simply turn the crank handle for a few minutes to charge it.



This

MP3
MP3

Note: For Cell Phones and iPod/MP3's, it is recommended that if you want to crank charge them, you do so while there is still some battery power. It is more difficult to crank charge these units when the battery is completely dead.

Charge out

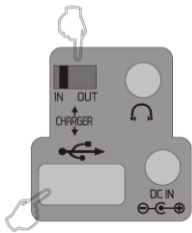
3. AC Adaptor Charging

Plug the AC adaptor into the outlet and connect the end to the radio's input jack (DC IN) on the back of the unit. You can use any of the Voyager's functions while it is plugged in and charging.

Note: For faster charging, set the Power Selector to OFF. Unplug the adaptor from the radio when not in use to avoid overcharging of the rechargeable batteries.

4. Solar Panel Charging

The solar panel charges the battery pack when it is in the sunlight, natural light indoors and will also charge (at slower rate) from indoor lighting. The radio will operate best in direct sunlight.



Charging Your Cellphone or Portable Digital Device

1. Charging the cellphone with the radio

Step 1: Connecting your cellphone

Take the included cable and connect the USB end directly into the Voyager's USB Port on the back. The other end of the cable will take one of the included Power Tips that fit your phones power jack. If you have a USB phone like a Blackberry, you should have your USB Cable that comes with your phone. For iPod/MP3, since the standard charging method is USB, simply use the same cable that you plug into your computer's USB port.

Step 2: Select Power Out

Select the power selector to OUT position on the back of the unit.



Step 3. Select from 3 ways to power your device

A. Cranking to charge





B. Solar Panel charge. Set the radio under direct sunlight (best method) and the solar panel will start to charge the cellphone as soon as it is in the sun.

C. Use the optional AC adaptor. Connect the adaptor to the wall outlet and it will start to charge your cellphone immediately.

The supplied cellphone Power Tips and the phones they fit are listed below:

No.	Image	Compatible	No.	Image	Compatible
1		Motorola E815, V276, V266, V551, V557, V710 ROKR E1, MPx220	2		Nokia 3220, 6010, 6030, 6061, 6101, 2128i, 6236i

No.	Image	Compatible	No.	Image	Compatible
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3		<p>LG VX400-G4015, VX4500, VX6000</p>	4		<p>Motorola RAZR V3c, V3c, V3i, V323, V325, V332, V360, V361, V6, V8, SLVRL7, PEB</p>
5		<p>Samsung SCH-a310, SCH-a670, SGH-C207, SGH-X495, SGH-X497, SGH-T309, SGH-E635, SGH-A900, SGH-D357, SGH-D307, A400, A500, N400, SPH-A920</p>	6		<p>Samsung SA D800 / D808 / D828 / D528 / D820 / P300 / T809 / A707</p>

2. Charging via computer

The included Power Tips and Charging Cable allow you to charge your phone directly from your computer. Take the cable, and select the proper cellphone tip that fits for your cellphone. Connect the USB end of the cable to the computer. As long as the computer is turned on, it will start to charge your phone.

C) Radio Operation

1) Band Selector

Rotate the band selector switch to choose the band you want to listen to. You can choose from the AM/FM, Shortwave 1&2 and Weather Band.

Weather Band: Receives all 7 weather bands from NOAA, the U.S. National Weather Service which broadcasts in all 50 states, Puerto Rico and the U.S. Virgin Islands.

AM Band: Receives all local AM stations from 520KHz to 1710 KHz.

FM band: Receives all local FM stations from 88.00Mhz – 108MHz.

SW1Band: Receives all Shortwave bands from 3.2MHz- 9.00Mhz

SW2 Band: Receives all Shortwave bands from 9.0MHz – 22.00Mhz

Shortwave band allows you to listen to overseas broadcasts from stations like the BBC, Radio Moscow, Radio

France, Radio Beijing, Voice of America and more.

2) Volume Control

Turn the volume control knob to adjust the sound volume of the radio.

3) Tuning

Select the band you want to listen to, then turn the tuning knob slowly until you receive the desired station.

Note:

When listening to FM/SW1/SW2 and Weather Band, please extend the telescopic antenna to receive the best signal. When listening to the AM stations, it is better to use it near a window or open space, in order to receive better signals.

Please note with regard to the NOAA Weather Band: You need to identify which band receives your local weather band report. When you change locations either to another city or state, you may need to choose a different band to get the local report in that location.

4) Weather Band

Set the band selector to Weather, and choose one of the 7 bands to find your local weather station.

Note: NOAA Weather band is a service broadcast of the U.S. Government and available in all 50 states, Puerto Rico and the U.S. Virgin Islands.

5) NOAA Alert

NOAA Alert allows you to set the Voyager so it is in a standby mode and will turn the radio on automatically if there is a severe weather emergency in your area.

Set the band selector to Weather and turn the weather band to your local weather station. Then set the power selector to NOAA Alert and the Voyager will go on automatically when there is a alert from the National Weather Service. After the alert is over, the weather band will be turned off automatically. It is recommended to use the AC adaptor to power the radio when you turn on the NOAA Alert.

D) Charging/Tuning LED indicator

When charging, the LED shows Green


When charging and using the radio, it shows Orange

When it is tuning, it shows Red.

When set to NOAA Alert status, it shows Green intermittently.


E) Reading Lamp and Flashlight

1. Using the reading lamp

On bottom side of the solar panel is a 5-LED Reading Lamp. The lamp will rotate 180 degrees allowing you to tilt it to one of many desired positions. On the Light Control Panel on the top of the unit, set the light to  in order to turn on the lamp.

To turn off the reading lamp, set the lights control to OFF.

2. Using the flashlight

The LED flashlight is built into the side of the unit above the tuning knob. To use the flashlight, set the Lights Control switch to  To turn off the flashlight, set the Lights Control to OFF.



3. Using the SOS light

In a emergency, you can turn on the flashing red SOS light by setting the Lights Control switch to
To turn it off, set the control to OFF.



Specifications

FM: 88 - 108 MHz

NOAA Weather: 162.400/162.425/162.450/162.475/162.50/162.525/162.55 (continuous band)

AM (MW): 530 -1710 KHz

SW1: 3.20- 8.00 MHz

SW2: 9.00- 22.00 MHz

Output power: 200 MW peak power using built-in speaker.

Headset jack socket: 3.5 mm

External DC supply socket: 6 mm (positive center)

Power Supply: 4.5-6.0V DC power. For shortwave reception, it is recommended to use built-in or AA batteries because the adaptor generates noises that will interference the reception.

Sensitivity

FM \leq 20 μ V

MW \leq 2.5mV

SW \leq 30 μ V

Rechargeable batteries: 3 NI-MH batteries 600mAh

Size: 204 x 128 x 66 MM (8 x 5 x 2.6 INCHES)

Care and Maintenance

1. Use soft cloth to clean the radio. Do not use aggressive polish or cleaners.
2. Do not expose to moisture or temperature above 130 F. Do not leave it on dash board in your car, the extreme heat will damage the electronic parts inside the radio.
3. Take "AA" batteries out of the radio when you do not use the radio for a long period of time.



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