

☞ Charging by Solar Power Panel

The **solar power panel 14** on the backside of the radio can be adjusted at different angles.

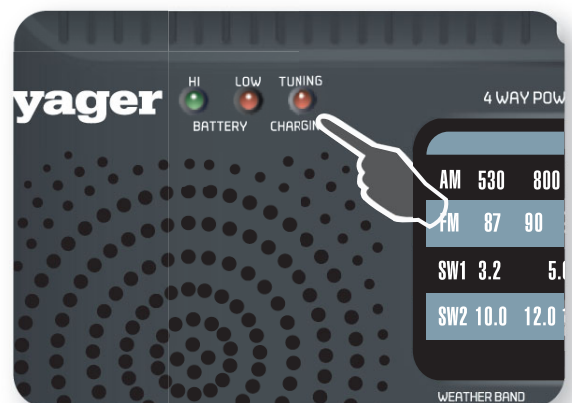
It converts the energy contained in sunlight into electrical energy by photoelectric conversion and charges the radio's rechargeable battery pack in case of an emergency when AC power or a replaceable battery are not accessible.

Please note the solar cells have very limited output power, which means it will take days to fully charge a depleted battery.

Put the radio in strong direct sunlight, and turn off the power, set the **power input and output switch 23**

23 to the IN position, the solar panel will charge the built-in rechargeable Ni-MH battery pack.

But it may not be noticeable because this is a very slow process. Room lighting cannot be used to charge the radio. During the solar charging of the battery, the **charging indicator 9** will lit.



**CAUTIONS!**

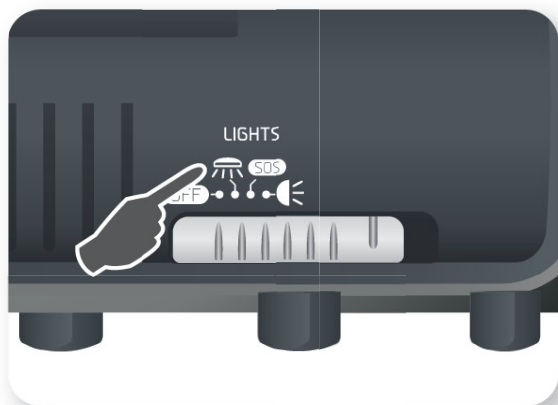
In the sunlight, solar power panels will automatically receive solar energy and store it in the rechargeable Ni-MH battery pack. The tilt angle of the solar panel can be adjusted to different angles to maximize sun exposure and optimize the battery charging process.

Using the Bright 5-LED Reading Lamp

The **5-LED reading lamp 26** is located on the backside of the **solar power panel 14**. First, adjust it to your desired tilt angle, and then toggle the **slide selector 8** on the top of the radio to the  position, this reading lamp will turn on.

This reading lamp uses a high-brightness LED light with lower energy consumption than incandescent bulbs, and it integrates the crank dynamo, solar panel, rechargeable Ni-MH battery pack and AA batteries. The reading lamp is ideal for outdoor or emergency use.

It features a unique design with continuously adjustable tilt angle bright lighting and low power consumption to ensure a satisfactory user experience.

**CAUTIONS!**

The use of 5-LED reading lamp is independent, its operation will not affect the radio's other features. The 5-LED reading lamp's usage time depends only on the built-in rechargeable Ni-MH battery and AA batteries power and charging conditions.

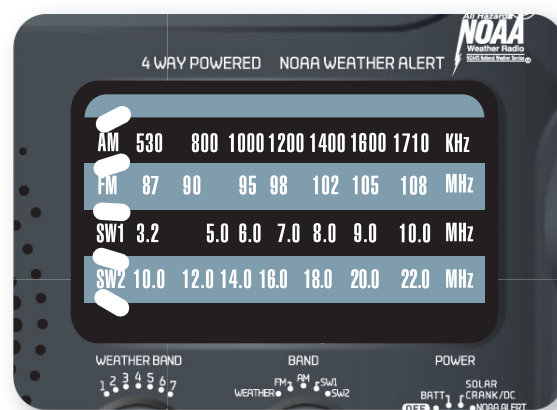
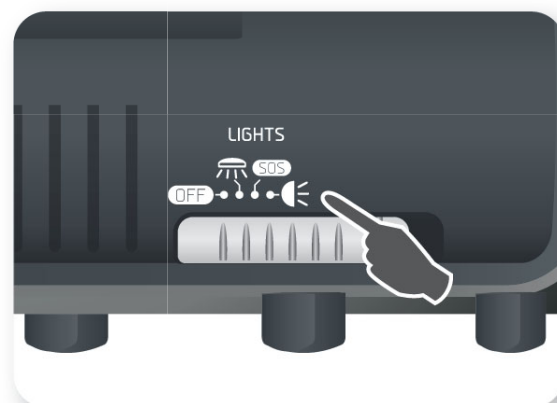
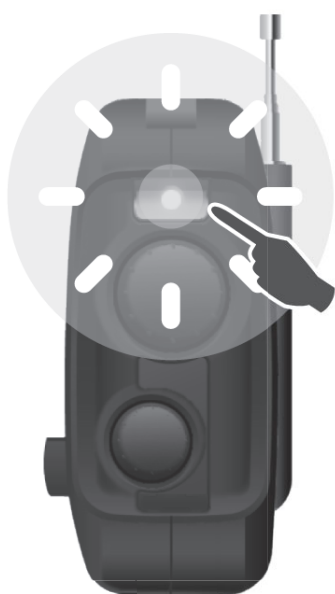
Using the LED Flashlight

On top of the radio, toggle this **Slide Selector 8** to the  position to turn on the **LED flashlight 25**. This flashlight uses a LED light with lower energy consumption than incandescent bulbs, and it integrates the crank dynamo, solar power panel and built-in rechargeable Ni-MH battery pack or AA batteries.

While the flashlight is on, the **analog tuning panel 6**

will also be illuminated by a built-in LED light.

The flashlight is ideal for dark or emergencies use.



CAUTIONS!

The use of LED flashlight is independent, its operation will not affect the radio's other features.

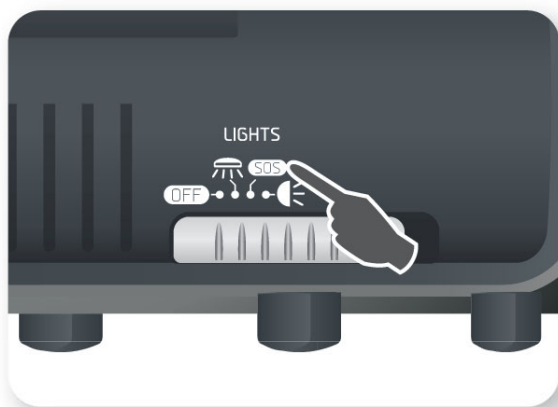
The LED flashlight's usage time depends only on the built-in rechargeable Ni-MH battery pack and AA batteries power and charging conditions.

Using the Red 'SOS' Alert Flash

On top of the radio, toggle this **Slide Selector 8** to the  position to turn on the **red 'SOS' alert flash 25**.

This 'SOS' alert light uses a flash LED light with lower energy consumption than incandescent bulbs, and it integrates the crank dynamo, solar power panel and built-in rechargeable Ni-MH battery pack or AA batteries.

The red 'SOS' alert flash is ideal for dark or emergencies use.



CAUTIONS!

The use of 'SOS' alert flash is independent, its operation will not affect the radio's other features.

The red LED flash's usage time depends only on the built-in rechargeable Ni-MH battery pack and AA batteries power and charging conditions.

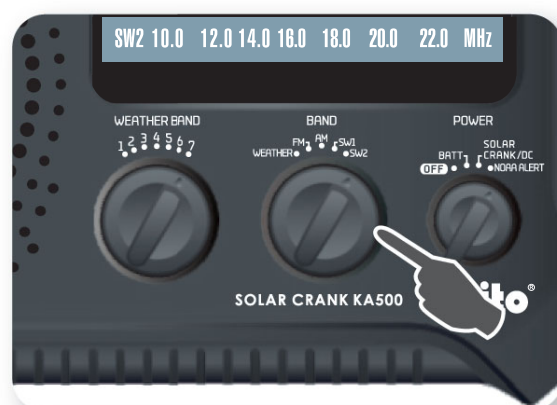
Operation the Radio

Select your preferred power source and turn on the radio by using the **power source selector** ①.



Radio Band Selection

When the radio is on, use the **band selector** ② to choose different radio bands, such as AM, FM, Shortwave or NOAA Weather band.



WARNINGS!

Because of the interference, it is not recommended to use the radio in the AM, Shortwave band when the radio is charged by an external universal USB charger or AC power adapter.

Use the Straight Pull Antenna

When listening to the FM, Shortwave or the NOAA Weather band, please extend the **straight pull antenna** **16** to optimize the reception. This antenna only works when listening to the FM, Shortwave or NOAA Weather band, adjust the length of the antenna according to the signal intensity to achieve optimal reception.



Use the Internal Iron Oxide Bar Antenna

The radio uses its internal iron oxide bar antenna to receive the AM signals. Therefore it won't be necessary to use the straight pull antenna. To improve radio's AM band reception, try to change the radio's location or adjust its orientation.

It's better to use it near a windows or open space, in order to receive better signals.

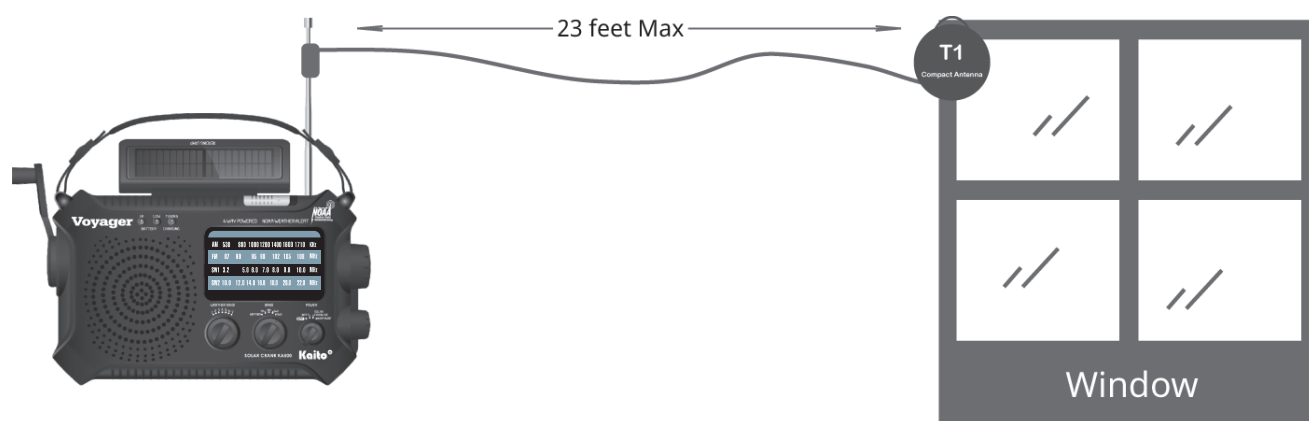


🔑 Use the T1 External Compact Antenna (Optional)

An external antenna (not included) may also be used to further improve reception on FM, shortwave or NOAA weather band. The T1 external antenna made by Kaito is sold separately on www.kaito.us.

When listening to the FM, Shortwave or NOAA Weather band of the radio stations indoors, connect this T1 external antenna to the radio to enhance signal reception.

Especially when using the radio's NOAA ALERT function indoors, using this T1 external antenna with the radio together will significantly improve the ability to receive weather forecast warnings.



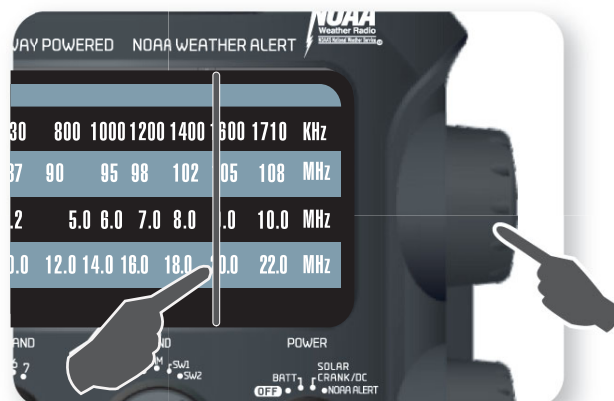
WARNINGS!

The external antenna is for indoors only. Avoid interference of the AC current when using an external antenna.

🔑 Radio Station Tuning

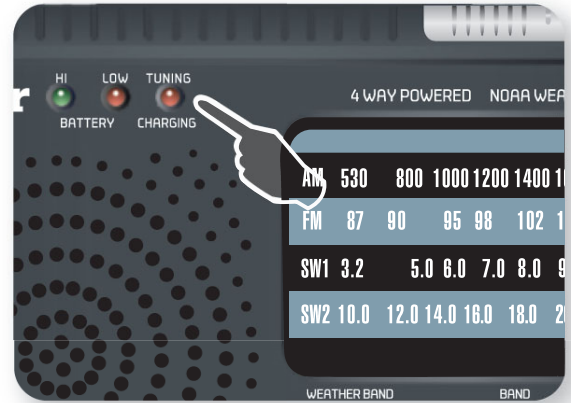
Rotate the **tuning knob** ④ to search for a radio station.

In tuning, follow the **tuning pointer** ⑦ and refer to the frequency value of the scale on the **tuning panel** ⑥ in respective band until you locate the radio station to listen to.



After tuning and receiving the broadcast station signal, turn the **tuning knob ④** again slightly to observe that the radio's **tuning indicator ⑨** is lit, indicating that the received broadcast station signal is strong enough.

Otherwise, the received radio station signal is weak.

**CAUTIONS!**

When attempting to tune in radio stations, stay away from electrical equipment and AC power disturbances. Optimize the use of antenna to improve signal reception. When tuning the radio indoors, stay near the windows for better reception. The AC current can interfere with the radio reception, please use batteries to power the radio while tuning.

Adjust the Sound Volume

This radio's **sound volume adjustment knob ⑤** is located below the right side.

Rotate the control knob to increase or decrease the radio's volume to suit your own listening level.

Turn the control knob clockwise to increase the volume level. Turn the control knob counterclockwise to decrease the volume.

**WARNINGS!**

Excessive volume levels may impair hearing. Maintain proper volume to avoid possible hearing damage.

NOAA Weather Band Operation

When the radio is on, using the **band selector** **2** to the WEATHER position to select reception the NOAA Weather band broadcasting.

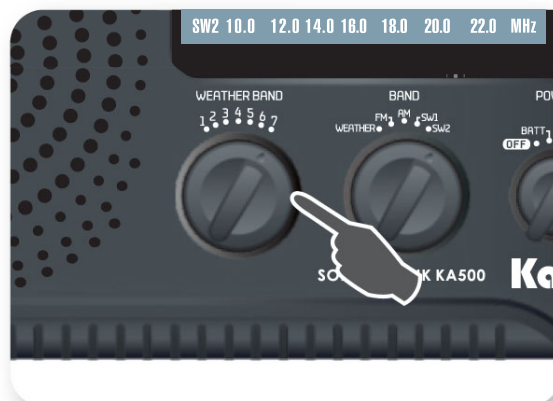


Then use the **NOAA Weather band channels selector** **3** to select the local channel based on your region.

To improve reception, extend the telescopic antenna or adjust the radio's location or orientation.

NOAA Weather Band Frequency Table:

CH1	162.400 MHz
CH2	162.425 MHz
CH3	162.450 MHz
CH4	162.475 MHz
CH5	162.500 MHz
CH6	162.525 MHz
CH7	162.550 MHz



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



CAUTIONS!

In this band, you can only use the **NOAA Weather band channels selector** **3** to select the radio receive frequencies from CH1 to CH7. The rest of the tuning modes are invalid.

👉 NOAA Weather Alert Function Operation



NOAA Alert allows you to set the radio to a standby mode in which the radio will turn on automatically if it picks up an emergency alert signal from your local NOAA station.

While the radio is operating on NOAA weather band, select your local weather channel, extend and adjust the **straight pull antenna 16** as well as the radio's orientation if necessary to ensure optimal signal reception.

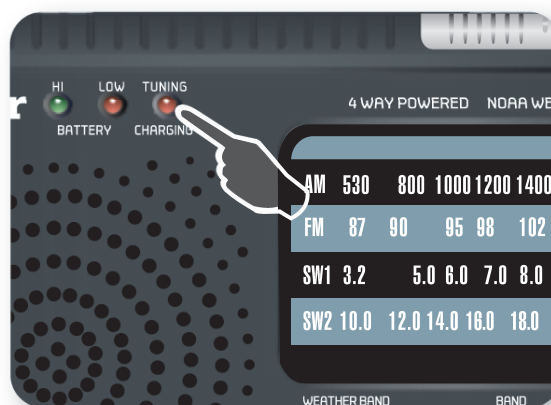
Adjust the **sound volume adjustment knob 5** to adjust the volume to your desired level output.

Users are strongly advised to use the maximum level output when using the NOAA Weather Alert feature.

In the NOAA Weather band working state, set the **power source selector 1** to the NOAA ALERT position.



This red NOAA Weather alert warning indicator will begin to flash on and off, indicating that the radio has entered the NOAA Weather Alert mode of operation.



It is recommended to use the optional AC adapter to power the radio when you turn on the NOAA Weather Alert function.

When the National Weather Service issues an emergency warning, the radio will automatically turn on and play the weather emergency broadcast.

To disable Weather alert function, turn the **power source selector ❶** to a different position.

**WARNINGS!**

Before you use the NOAA Weather ALERT feature, make sure the radio volume is set at your desired level.

Avoid using the wrong volume setting that may cause the weather warning alert signal not to be received.

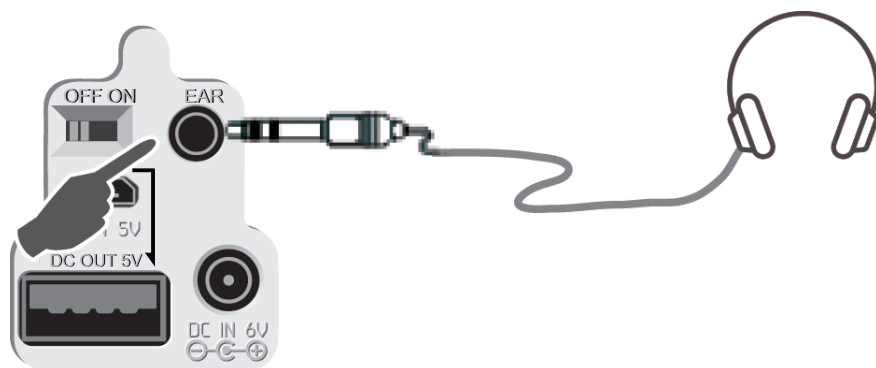
Make sure the radio is properly receiving local Weather broadcast signals when using the NOAA Weather Alert feature. Check that the radio has sufficient power before using the NOAA Weather Alert feature.

Earphone Jack

The radio is equipped with a **Ø3.5 mm stereo earphone jack ❶** on the **input and output functions dock ❷** of the rear side, which supports headphones for private listening.

**WARNINGS!**

Do not listen to the radio with the headphones for a long time. Do not use excessively high volume when listening to the radio with headphones.



Important Safety Information



WARNINGS!



CAUTIONS!

Please read the user's manual before first use of the radio.

If the radio is not used for a long period of time, remove all the AA batteries to prevent potential damage due to possible battery leakage.

Do not keep the radio in an environment with a temperature over 140°F because characteristics of the internal parts may be adversely affected by heat, especially never leave the radio in a car and exposed to direct sunlight for a long period of time. The radio's shell may become deformed and may result in deterioration of the performance.

Do not use benzene thinner or any abrasive powder to clean the radio's shell. Wipe it with a soft cloth moistened with a mild soap and water solution.

To prevent electric shock, do not open the radio's case. Only qualified personnel may carry out repairs.

Do not placed the radio in water, or close to fire.

Please do not allow children access to the radio.

Since a strong magnet is used for the speaker, keep magnetized commuter passes, credit cards, recorded tapes, watches etc. away from the radio. The speaker magnet in the radio may damage them.

Do not place the radio near strong magnets such as those used in amplifier, television set, speaker boxes etc. as these may cause the frequency to drift.

Do not drop or give the radio a strong shock, because the product is composed of precise parts.

When listening in a train, car or building, use the radio near a windows to obtain the best possible reception. Reception may be difficult in a tunnel or subway. Also note that operating the radio on a metal object may adversely affect reception.

Specifications

Frequency Range:

FM Band: 87 MHz - 108 MHz

AM Band: 530 kHz - 1710 kHz

SW1 Band: 3.2 MHz - 10.0 MHz

SW2 Band: 10.0 MHz - 22.0 MHz

Weather Band: CH1 162.400 MHz

CH2 162.425 MHz

CH3 162.450 MHz

CH4 162.475 MHz

CH5 162.500 MHz

CH6 162.525 MHz

CH7 162.550 MHz

Noise Limit Sensitivity:

FM $\leq 20 \mu\text{V}$

AM $\leq 2.5 \text{ mV/m}$

SW $\leq 30 \mu\text{V}$

Earphone Jack: Ø3.5 mm

Speaker: Ø2½ inches Inner Magnetic

Output Power: 200 mA Max.

Charge Interface:

Micro-USB Port: DC 5V

External DC-in Ø¼" Jack: DC 6V|200mA

Power Source: Built-in Rechargeable Ni-MH Battery 3.6V

AA Batteries 1.5V x 3 (Not Include)

External Adapter DC 6V|200mA (Optional)

Dimensions(Approx): 8 (L) x 2½ (W) x 5 (H) inches

Weight(Approx): 1¼ lbs (Included Built-in Rechargeable Ni-MH Battery)

Package Information

KA500 Voyager Emergency Radio	*1
User's Manual	*1
Product Registration Form	*1
Micro-USB Charge Cable	*1
Built-in Rechargeable Ni-MH Battery	*1

**For service and questions, please visit our website: www.kaito.us,
Or email us at info@kaito.us**

You can find the Series Number inside the battery compartment, you can register it online: www.kaito.us/product-registration
Or scan the QR code to get the link for registration.

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Website: www.kaito.us

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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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a 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 communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does 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:

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