810-106 FAQS

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Weather Radio
Power Requirement

✓ Rechargeable Battery: LIR123/600MAH (included)

Charging

✓ When the low battery symbol displays, charge the radio by solar/hand crank/USB.
✓ Turn off the radio before charging.
✓ The red LED-charging indicator will illuminate to indicate the radio is being charged.
✓ Green light will indicate it is charged. (the light will not stay on when not charging).

SOLAR:
✓ Place the unit outside with the solar panel in direct sun.

✓ In bright sunlight the unit will be fully charged in 10-12 hours.

HAND CRANK:
✓ Extend the Hand Crank on the back of the radio.
✓ Rotate steadily clockwise at a rate of 130cycles/minute.
✓ 1-minute of cranking will provide 30-minutes of power. Red charge light will indicate cranking speed is appropriate.

USB:
✓ This unit is equipped with a mini USB input/output jack for charging the radio itself and to charge other external USB devices with hand crank.
✓ To charge the radio connect the USB charging cord into the mini USB port and plug into a USB power source.
   Note: The voltage should be 5.0V maximum and current should be 500MA maximum when charging by USB.

ON/OFF Function

ON/OFF: Press and release the POWER button to turn the radio ON or OFF.

Set Time

With the radio off, press and hold the MODE button for 5 seconds to enter the program menu.

1. **12/24-HOUR**: 12h or 24h will flash. Press and release either TUNE button to change. Press and release the MODE button once to move to Hour.
2. **HOUR**: The Hour will flash. Use the left TUNE button to decrease the hour or the right TUNE button to increase the hour. When the Hour is set press and release the MODE button once to set the Minutes.
3. **MINUTES**: The Minutes will flash. Use the left TUNE button to decrease the minutes or the right TUNE button to increase the minutes. When the Minutes are set press and release the MODE button to confirm the settings.

NOTE: The clock will remain on when the power is off.

Radio Modes

With the radio ON, press and release the MODE button to toggle between these radio modes:
✓ AM radio
✓ FM radio
✓ WB radio

Tune or Auto-scan

✓ **Tune**: With your radio band selected, press and release the left TUNE button to decrease the frequency and the right TUNE button to increase the frequency of the selected band.

✓ **Auto-scan**: Press and hold the left or the right TUNE button to auto-scan frequencies.

Weather Band Channels

The IC chip supports weather band reception from 162.4 to 162.55 MHz. The highly integrated IC chip meets NOAA specification, receives all seven NOAA specified frequencies, implements narrowband FM de-emphasis, and supports 1050 Hz alert tone detection. In addition, this IC chip provides advanced features not available on conventional radios, such as an AFC and a dynamic channel bandwidth filter

The weather alert radio can receive 7 weather band (WB) frequencies:
•Channel 1: 162.400MHz
•Channel 2: 162.425MHz
•Channel 3: 162.450MHz
•Channel 4: 162.475MHz
•Channel 5: 162.500MHz
•Channel 6: 162.525MHz
•Channel 7: 162.550MHz

In WB mode the radio will continually broadcasts weather radio.

Weather Band Standby

Standby silences the weather radio until an active alert sounds.

✓ When in WB hold the MODE button for 3 seconds to enter Standby.
✓ When in Standby the radio receives alarm signal automatically and the backlight will flash red for 60 seconds.

Weather Alerts

The radio must be in WB mode to receive alerts automatically.

During an alert:
✓ When WB is selected, the radio receives alarm signals automatically.
✓ Backlight: Blue changes to Red.
✓ The volume will increase to level 16 for 5 minutes so you can hear the beep alert tone and the broadcast. Use the VOLUME buttons to adjust as needed.
✓ While alert is sounding for 5 minutes, press and release the MODE button to place radio back to WB standby.
✓ The radio will automatically go back to WB standby after 5 minutes.

Volume

✓ Use the -/VOL to decrease the volume and the +/VOL to increase the volume.

AM or FM Radio

AM Radio:

The highly integrated IC chip supports worldwide AM band reception from 520 to 1710 kHz using a digital low-IF architecture with a minimum number of external components and no manual alignment required. This digital low-IF architecture allows for high-precision filtering offering excellent selectivity and SNR with minimum variation across the AM band.

1. With the radio ON press and release the MODE button to select AM radio.
2. Press and release the left TUNE button to decrease the frequency and the right TUNE button to increase the frequency of the selected band.

FM Radio:
The FM receiver is based on the proven FM tuner. The receiver uses a digital low-IF architecture allowing the elimination of external components and factory adjustments. The IC chip integrates a low noise amplifier (LNA) supporting the worldwide FM broadcast band (64 to 108 MHz).

1. With the radio ON press and release the MODE button to select FM radio.
2. Press and release the left TUNE button to decrease the frequency and the right TUNE button to increase the frequency of the selected band.

White LED Light

- ✓ **ON**: Press and release the LIGHT button to turn on the white LED light.
- ✓ **OFF**: Press and release the LIGHT button again to turn the light off.
  Note: There is a light shadow above and below the light beam, which is normal for a three LED arrangement.

Reset Radio

- ✓ If the display is blank, charge the battery then press the RESET button once. The RESET button is a small pinhole near the antenna, where the crank handle rests.

Antenna

- ✓ Fully extend and rotate the telescoping Antenna and place near a window to receive a steady strong signal and avoid a broken or noisy reception.

Optional Earphones (not included)

- ✓ Plug in a set of 3.5mm earphones (not included) into the 3.5mm earphone jack to privately listen to the radio.