

## 810-805 FAQs

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### Weather Radio

#### Battery or Optional AC Cord Setup

##### **Battery operation:**

- Remove battery cover from back of radio.
- Install 3 x AA LR6 alkaline batteries.
- Replace battery cover.
- Turn radio on, select mode and station, adjust volume, enjoy!

##### **Optional A/C operation:** (A/C cord not included)

- Plug in the optional 6V adapter into the wall outlet and into the AC/DC port on the side of the radio.
- Turn radio on, select mode and station, adjust volume, enjoy!

### ON/OFF Function

Press and release the ON/OFF button on the right side of the radio to turn the radio ON or OFF.

**Note:**

- ✓ Default volume will be level 6 when the radio is first turned on.
- ✓ Radio will memorize the last radio mode (AM, FM or WB) and the last channel/station.
- ✓ Backlight will turn on for 10 seconds.

**Radio Modes**

With the radio ON, press and release the MODE button on the left side to toggle between these radio modes:

- ✓ AM radio
- ✓ FM radio
- ✓ WB radio

**Note:** When in WB mode hold the MODE button for 2 seconds to enter WB standby (mute) mode.

**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 mode, hold the MODE button for 2 seconds to enter WB Standby.
- ✓ When in Standby the red LED on top of the radio will flash slowly (every 5 seconds).

**Weather Alerts**

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

**During an alert:**

- ✓ The top LED light and red LCD backlight will flash quickly (every 2 seconds) for 5 minutes.

- ✓ 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.

### Red LED Light

- ✓ When in WB Standby mode will flash every 5 seconds.
- ✓ When weather alert is received will flash every 2 seconds.

### Volume

1. In any radio mode, press and release the VOLUME UP or VOLUME DOWN button to adjust the volume to a comfortable level.
2. Press and hold either volume button to change faster.
3. Default volume is 6. Level 1-16 are available.

### 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 the CHANNEL UP or CHANNEL DOWN buttons to increase or decrease the radio frequency.
3. Hold the CHANNEL UP or CHANNEL DOWN button to search for the next available station.

#### **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 the CHANNEL UP or CHANNEL DOWN buttons to increase or decrease the radio frequency.
3. Hold the CHANNEL UP or CHANNEL DOWN button to search for the next available station.

### Backlight-Blue or Red

- ✓ Blue backlight will come on for 10 seconds when any button is pressed.
- ✓ Red backlight will flash every 2 seconds for 5 minutes during a weather alert.

### White LED Light

- ✓ Press and release the LIGHT button to turn ON at high intensity (100%).
- ✓ Press and release again to turn to low intensity (5%).
- ✓ Press and release a third time to turn the light OFF.

### Open Battery Compartment

- ✓ Press the arrow on the battery cover and slide cover toward bottom of radio.
- ✓ The battery cover has a tight fit.

### Optional 6 volt AC adapter

- ✓ Plug in a 6.0V adapter (not included) into the wall outlet and into the AC/DC power port on the side of the radio.
- ✓ Turn radio on, select mode and station, adjust volume, enjoy!

### 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