

## 809-905 FAQs

The links below will work in most PDF viewers and link to the topic area by clicking the link. We recommend Adobe Reader version 10 or greater available at: <http://get.adobe.com/reader>

## CONTENTS

<b>809-905 FAQs</b> .....	1
<b>Weather Radio</b> .....	1
Battery Installation.....	1
ON/OFF/Volume .....	1
Radio Modes.....	1
Weather Band Channels .....	1
Tuning.....	2
Weather Alerts.....	2
AM or FM Radio .....	2
White LED Light.....	3
Optional Earphones (not included) .....	3

### Weather Radio

#### Battery Installation

- ✓ Remove the battery cover from the back of the radio.
- ✓ Install 2 “AAA” Alkaline batteries (not included) according to the polarity markings.
- ✓ Replace the battery cover.

#### ON/OFF/Volume

1. Use the VOLUME switch on the side of the radio to turn ON or Turn OFF the radio.
2. The Power Indicator Light will activate when radio is powered on.
3. Use the VOLUME switch to adjust the volume when radio is on.

#### Radio Modes

- ✓ Move the AM, WB, FM selector on the side of the radio to **WB** (weather band).
- ✓ Use the Tuning wheel on the side, to select the NOAA weather band channel with the best reception. Refer to the channels printed on the front of the radio around the tuning dial where it says CH1-CH7

#### 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.

## Tuning

- ✓ Use the TUNING wheel to select a station.

## 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.

## 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.

- ✓ Move the AM, WB, FM selector to AM or FM.
- ✓ Use the TUNING wheel to select an AM/FM 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).

- ✓ Move the AM, WB, FM selector to AM or FM.
- ✓ Use the TUNING wheel to select an AM/FM station.

## White LED Light

- ✓ Hold the LIGHT button to power on the white LED light.
- ✓ The light will show only when the LIGHT button is held.
- ✓ Release the LIGHT button to turn the light off.

## 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