

Model: R-500

User's Manual

Please read before using the Alert Radio

***Weather / All Hazards Alert Radio with AM/FM
S.A.M.E (Specific Area Message Encoding) Technology***



Reecom Electronics Inc.

<http://www.reecominc.com>

FCC Information

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.

In accordance with FCC requirements, changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate this product.

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:

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

This device complies with Part 15 of the FCC Rules.

Operation is subject to the condition that this device does not cause harmful interference.

Table Of Contents

Features	4
Getting Started	5
Installing the Back-Up Batteries	5
Powering up the Radio	5
Setting Time / Date	5
Section 1: Operation	
1.1 Access to Program Menu	6
1.2 LCD Back Light	6
1.3 Turn On the Radio	6
Station Memory Save	7
Memory Tuning (Recall) / Delete	7
Sleep / Radio Timer	7
Turn Off the Radio	7
1.4 Review Stored County Codes	8
1.5 Review / Edit Event Blocking	8
1.6 Review Alert Message	8
1.7 Auto Key Lock	8
1.8 Review Watched Channels	8
1.9 Nap Timer	9
1.10 Alarm Clock	9
1.11 Deactivate Alarm Clocks	10
1.12 Turn Off the Radio	10
1.13 Receiving Alert Message	11
National Weather Service (NWS) Test Signals	11
1.14 AUDIO OUT Socket	11
Event Message Table 1	12
Event Message Table 2	13
Non-Alert Message Table	14

Section 2: Setting Up the Radio

2.1 Setting Date / Time	15
2.2 Setting Channel / County	16
2.3 Setting Alert Mode	18
2.4 Setting Siren Volume	19
2.5 Setting Voice Volume	19
2.6 Setting Event Blocking	20
2.7 Setting Multi-Channel Watch	21
2.8 Setting ALARM OUT Socket	22
2.9 Siren Test	22
2.10 Setting LCD Back Light	23
2.11 Setting Auto Key Lock	23
2.12 Setting Key Tone On / Off	23
Trouble Shooting	24
Specification	25
ONE YEAR LIMITED WARRANTY	26

Features:

- S.A.M.E (Specific Area Message Encoding) Alert Technology
- Monitor Multi-Channel (WX) Alerts in Standby Mode
- LED Indicators For Warning, Watch or Advisory / Statement
- Display Alert Message and Effective Time At a Glance
- Effective Time Auto-Count-Down Display
- Display the Number of Active Event
- LCD Back Light Display
- **E.O.M** (End Of Message) Detection
- Alert Mode: Voice EOM, Voice Timer, Siren or Alert Disable
- Defeat Siren Option
- Programmable Siren / Voice Volume Independently
- Digital Volume for Radio Broadcast
- **51** Event Memories for Alert Messages with Date/Time Log
- **26** County Memories for County Codes / SAME#
- Display Date/Time / Auto-Calendar
- Dual Alarm Clocks With Snooze Function
- Nap Timer - From 1 to 120 Minutes Programmable
- Alarm Out Socket For External Alarm System Such As X-10
- Audio Out Socket (Mono) For External Speaker System
- External Antenna RCA Jack For External Antenna
- Back-up Battery (**4** AA Size, Alkaline) For Emergency Power (Battery Not Included)
- Battery Low Detection / Indication

AM/FM Radio:

- Monitor Multi-Channel (WX) Alerts in AM/FM Broadcast
- Automatically Switch to Weather Alert Voice Broadcast
- **Memory Tuning** - Recall / Tune to Memory Station Instantly
- **Auto Tuning Storage** - Full Band Scan / Auto Memory Save
- **Intro-scan** - Auto-Seek Station / **10** Seconds Intro-Play
- **Sleep / Radio Timer** - From 1 to 120 Minutes Programable
- **64** FM Station Memories
- **48** AM Station Memories


Getting Started

For better reception, the radio should be placed nearing a window facing to the direction of the NWS (National Weather Service) transmitter. The radio is not weather resistant, care must be taken.

Installing the Back-up Batteries

The radio requires four (4) AA size alkaline batteries (such as Energizer or DuraCell Brand) for back-up power in case A/C power failure or temporarily disconnected.

1. Press down the battery base cover and slide it out to remove.
2. Insert batteries in correct polarity shown in the compartment.
3. Place the battery cover back and slide it in to click into place.

- Note**
1.  icon on display indicates low battery.
 2. It is recommended to power up the radio with the supplied A/C adapter to prevent battery drain.
 3. Do not leave weak or dead batteries in the battery compartment.

Powering Up the Radio

Plug the supplied A/C adapter jack to the radio DC JACK. Then, plug the A/C adapter to a standard 120V A/C wall outlet.

Setting Time and Date

- Note** The date/time must be set correctly as it will also be the time stamp for the event message saving to the memory.

If it is desired to set time/date later, press **MENU** key to exit. Otherwise; follow steps below to set time and date.

1. Press **▲** or **▼** key to set time, hold the key to change faster.
2. Press **◀** or **▶** key to select hour / minute digits.
3. Press **↶** key to save time and start to set date.
4. Press **▲** or **▼** key to set the Month, Day or Year.
5. Press **◀** or **▶** key to select Month, Day or Year digits.
6. Press **↶** key to save and exit.

Section 1 Operation

Note On-line manual is available in the web site below for manual update or error correction, if any.

[Http://www.reecominc.com](http://www.reecominc.com)

Info **Standby Mode:** the radio is powered up, no radio voice.

1.1 Access to Program Menu

In Standby mode, press and hold **MENU** key for 2 seconds to enter program menu. Then, refer **Section 2** to set up the radio.

1.2 LCD Back Light

Info If the radio is powered by batteries, pressing a key (except **STOP** key when turning off the radio) will illuminate the back light for 10 seconds. In program menu mode, the back light is always on. Please refer **Section 2.10** to set the back light.

1.3 Turn On the Radio

- Press **RADIO** key to turn on the radio.
- Press **▲** or **▼** key to adjust the volume, long press the key will change the volume continuously.
- Press **BAND (ALM2)** key to switch WX / AM / FM band.
- In WX band, refer to **Section 2.2** to set your local channel. If Multiple Channel Watch has been selected (in **Section 2.7**), press **◀**, **▶**, **◀◀** or **▶▶** key to switch the channels.
- Press **RADIO** key to display the channel frequency briefly.

Note For WX and FM band, pull out and orient the telescopic antenna to give the best reception. For AM band, orient the radio for optimal reception (antenna is built inside).

In AM/FM band:

- Press **MENU** key to enter station scan mode. Press **↶** key to start Intro-scan, or **◀**, then **↶** key to have full band scanning. In Intro-scan mode, the tuned station will be on for 10 seconds. Press **↶** key twice to save the station to the memory if needed. Press **◀** or **▶** key to continue to scan forward or backward.

In FULL SCAN, the tuned stations are auto-saved, starting from memory 1. Press **MENU** key to stop / exit if desired.

- Press **◀◀** or **▶▶** key to tune station manually. Press and hold **▶▶** or **◀◀** key for 2 seconds, then release, to quickly search neighbouring station.

Tips Press **RADIO** key to display the watched WX channel(s) and enhance AM/FM reception if weak station is tuned.

Station Memory Save (AM/FM)

Press **↶** key to enter the memory menu. Press **↶** key to save the tuned station in the last memory, or press **◀** or **▶** key to the desired memory location, then, press **↶** key to save.

Memory Tuning (Recall) / Delete (AM/FM)

If there are stations saved in the memory, press **◀** or **▶** key to recall station instantly. Press **MENU** key to exit, or press **↶** key to edit the station memories:

- To re-number the station memory, press **↶**, then **◀** or **▶** key to select the memory to insert. Press **↶** key to confirm.
- To delete the station in the memory, press **◀**, then **↶** key.

Sleep / Radio Timer (in AM/FM radio)

- Press **ALM1 (SLEEP)** key briefly to enter sleep function.
- Press **▲** or **▼** key to set Sleep Timer, 1 minute up to 2 hours.
- Press **↶** key to start sleep cycle with a beep tone. The LCD displays sleep timer count down. If the remaining time is less than one hour, the display digits will show Minute : Second. Otherwise; it will show Hour : Minute.

Press **MENU** key to exit sleep mode before time-out, if desired.

Note Sleep cycle will be terminated upon alert receiving with audible response. When active alert message is on the display, subsequent press **SLEEP** key to display sleep time and event message alternatively.

Turn Off the Radio

- Press **STOP** key to turn off the radio voice and put the radio in **Standby** mode.

1.4 Review Stored County Codes (in Standby Mode)

- Press ►► key to view the stored county code / SAME#.
- Press ◀ or ▶ key to view other stored county codes, if any.
- Press MENU key to exit.

1.5 Review/Edit Event Blocking (in Standby Mode)

1. Press ◀◀ key, then ⏪ key to enter View/Edit Alerts mode.
 2. Follow steps 3 to 8 in section 2.6 to view/edit event message.
 - Events in **Event Message Table 2** are read only, not editable.
- Info** - Press LIGHT key to turn the LED light off if desired.
Press LIGHT key again to turn on the LED.

1.6 Review Alert Message (in Standby Mode)

- Press ⏪ key to enter event memory mode.

Info 'NO EVENT MESSAGES' indicates no test / alert messages received.

- Press ▲ or ▼ key to view alert messages in the memory.
- Press ⏪ key to view the alert channel and date / time.
- Press ⏪ key again to revert to event message display.

Tips Press LIGHT key to turn the LED on / off if desired.
The LED is turned off initially.

1.7 Auto Key Lock (in Standby Mode)

When the 'KEY LOCK' is set **On** in program Menu page **P11**, in Standby Mode, keys will be auto-locked after a preset time delay to prevent accidental key presses. To unlock the key pad temporarily, press MENU, then STOP key shortly.

Info Refer to **Section 2.11 Setting Auto Key Lock** to set key lock / unlock.

1.8 Review Watch Channels

Press ▶ key in Standby mode, or press RADIO key in AM/FM radio to view the watched WX channel(s).
CH stands for Channel.

1.9 Nap Timer (in Standby Mode)

- Press and hold SNOOZE key for 2 seconds to enter Nap mode.
 - Press ▲ or ▼ key to set nap time, 1 minute up to 2 hours.
 - Press ⏪ key to save.
 - Press ▲ or ▼ key to set snooze time.
 - Press ⏪ key to confirm and start nap cycle with a beep tone and timer count down shown on the display.
- When the nap cycle is completed, buzz alarm starts out loud gradually. Press STOP or MENU key to stop the alarm or SNOOZE key to start snooze cycle.

Note Nap cycle will be terminated once alert receiving with audible response.

1.10 Alarm Clocks (in Standby Mode)

Info There are two (2) alarm clocks and each one has two alarm modes; wake to BUZZ and wake to Radio.

Press ALM 1 or ALM 2 key to set alarm 1 or 2. If the alarm time, day, snooze time, alarm mode and volume have been set as desired, press MENU key to activate the alarm clock; or press ⏪ key to edit. Press ▲, ▼, ◀ or ▶ key to set alarm time. Each digit in the first line is for sub-menu entry.

The digits 1 to 7 denote Sunday to Saturday respectively;

Z sign for Snooze Time;

* sign for alarm mode: wake to BUZZ;

∇ sign for alarm mode: wake to Radio.

Press ◀ or ▶ key to select the sub-menu and you will see:

- a). individual day alarm **On** or **OFF**.
- b). Z sign, SNOOZE time-out in minutes.
- c). * or ∇ sign for alarm volume or radio alarm station.

Note At least one alarm day has to be set before setting alarm time, snooze time, alarm volume, alarm mode or activating alarm clock.

Press ⏪ key to enter the sub-menu. Then, press ◀ or ▶ key to select **ON/OFF**, WAKE TO BUZZ * or WAKE TO RADIO ∇.
Press ▲ or ▼ key to set snooze time, alarm / radio volume.

If **WAKE TO RADIO** is selected, press **BAND** key to switch band; ◀◀ or ▶▶ to tune station; ◀ or ▶ to recall memory station; ▼ or ▲ key to set volume; ↵ key to confirm.

Info In the second line display: ✱ or ∇, indicates alarm clock has been set for the week day above.

The icon  or  indicates Alarm 1 or 2 in Buzz mode.

The icon  or  indicates Alarm 1 or 2 in Radio mode.

As all set, press **MENU** key to exit and activate the alarm clock.

As the time reaches to the alarm time, the radio will alarm out gradually to the preset alarm / voice volume (gradual wake).

Note When the alarm mode is **Wake to Radio**, if the radio is turned off (see **Section 1.12**), alarm will be deactivated.

- Press **STOP** or **MENU** key to stop alarm completely.
- Press **SNOOZE** key to stop alarm and start snooze cycle with snooze timer count down shown on the display.
- If uninterrupted, the alarm will stop in 1 hour.

1.11 De-activat Alarms

Press **ALM 1** or **ALM 2** key once to deactivate the alarm clock.

1.12 Turn Off the Radio

Info When the radio is powered by back-up batteries, the radio can be turned off to extend battery life if not used temporarily (a day or two). When the radio is turned off, no alerts will be received but clock alarm and nap timer can still be functioning. If the radio is not going to use for longer time, remove the batteries.

Note The radio cannot be turned off if powered by A/C adapter or there is active event under Effective Time count down.

- Long press **STOP** key for 2 seconds to turn off the radio and the LCD displays **RADIO OFF**, no alert receiving.
- To turn on the radio, long press **MENU** key for 2 seconds or power-up the radio with A/C adapter. Then, the radio will be in alert standby mode.

1.13 Receiving Alert Message

Upon receiving alert, the radio will generate siren (if events unblocked) with flashing LED, display the event message and **Effective Time**, unlock keypad if locked previously. The event message, the receiving channel and current date / time will be saved into the event memory. The oldest message will be cleared if the memory is full. The alarm out socket functions per **Alert Option Table** in **Section 2.3**. Press any key to stop siren. As siren stops, the number of active event / Effective Time and real time clock / receiving channel will be displayed alternatively.

Tips To stop event message scrolling on the LCD screen, press and hold the **STOP** key and the LED light will be turned off. Release the key to resume.

Info National Weather Service (NWS) Test Signals

Info Test messages (e.g. Required Weekly Test) are used to test if the radio can properly respond to alerts. Set your local channel and county code (SAME#) correctly (refer to Section 2.2) to confirm the Weekly Test. Although the test messages are initially set to blocked (defeat siren), the test message is still displayed on the LCD and saved to the event memory historically for review. To set audio response for test messages, please refer to **Section 2.6**.

Note If no alert / test signals has been received for 10 days, the radio will display: **RE-CHECK SET UP**. Please check the radio reception and the channel / county settings.

1.14 AUDIO OUT Socket

Upon receiving alert, the radio will output siren / voice signal via the audio out socket(Mono) to the external device, such as external speaker. Connect a 3.5mm (1/8 inch) phone jack to the socket with center positive polarity. The output level can be adjusted in program menu page **P4** and **P5**.

Event Message Table 1 (events with defeat siren option)

Event Message on Display	Audible Response
REQUIRED WEEKLY TEST REQUIRED MONTHLY TEST ADMINISTRATIVE MESSAGE AVALANCHE WATCH AVALANCHE WARNING	Beep (Initially Disabled) Beep (Initially Disabled) Beep (Initially Disabled) Watch Siren Warning Siren
BOIL WATER WARNING BLIZZARD WARNING CHILD ABDUCTION EMERGENCY COASTAL FLOOD WATCH COASTAL FLOOD WARNING	Warning Siren Warning Siren Advisory Siren Watch Siren Warning Siren
DAM WATCH DUST STORM WARNING EVACUATION WATCH FLASH FLOOD STATEMENT FLASH FLOOD WATCH	Watch Siren Warning Siren Watch Siren Advisory Siren Watch Siren
FLASH FLOOD WARNING FLOOD STATEMENT FLOOD WATCH FLOOD WARNING FIRE WARNING	Warning Siren Advisory Siren Watch Siren Warning Siren Warning Siren
FLASH FREEZE WARNING FREEZE WARNING HIGH WIND WATCH HIGH WIND WARNING HURRICANE STATEMENT	Warning Siren Warning Siren Watch Siren Warning Siren Advisory Siren
HURRICANE WATCH ICEBERG WARNING NATIONAL INFORMATION CENTER NATIONAL PERIODIC TEST NATIONAL AUDIBLE TEST	Watch Siren Warning Siren Beep (Initially Disabled) Beep (Initially Disabled) Beep (Initially Disabled)
NATIONAL SILENT TEST NETWORK NOTIFICATION MESSAGE PRACTICE / DEMO POWER OUTAGE ADVISORY	Beep (Initially Disabled) Beep (Initially Disabled) Beep (Initially Disabled) Advisory Siren

Event Message Table 1 (continue)

Event Message on Display	Audible Response
SPECIAL MARINE WARNING SPECIAL WEATHER STATEMENT SNOW SQUALL WARNING SEVERE WEATHER STATEMENT SEVERE THUNDERSTORM WATCH SEVERE THUNDERSTORM WARNING	Warning Siren Advisory Siren Warning Siren Advisory Siren Watch Siren Warning Siren
TORNADO WATCH 911 TELEPHONE OUTAGE EMERGENCY TROPICAL STORM WATCH WINTER STORM WATCH WINTER STORM WARNING WILD FIRE WATCH	Watch Siren Advisory Siren Watch Siren Watch Siren Warning Siren Watch Siren
UNRECOGNIZED STATEMENT UNRECOGNIZED WATCH UNRECOGNIZED EMERGENCY	Advisory Siren Watch Siren Advisory Siren

Event Message Table 2 (events without defeat siren option)

Event Message on Display	Audible Response
UNRECOGNIZED WARNING BIOLOGICAL HAZARD WARNING BLUE ALERT CIVIL DANGER WARNING CIVIL EMERGENCY MESSAGE	Warning Siren Warning Siren Warning Siren Warning Siren Warning Siren
CHEMICAL HAZARD WARNING CONTAMINATED WATER WARNING DAM BREAK WARNING CONTAGIOUS DISEASE WARNING EMERGENCY ACTION NOTIFICATION	Warning Siren Warning Siren Warning Siren Warning Siren Warning Siren

Event Message Table 2 (continue)

Alert Message on Display	Audible Response
EMERGENCY ACTION TERMINATION EARTHQUAKE WARNING IMMEDIATE EVACUATION EXTREME WIND WARNING FOOD CONTAMINATION WARNING	Advisory Siren Warning Siren Warning Siren Warning Siren Warning Siren
HAZARDOUS MATERIALS WARNING HURRICANE WARNING INDUSTRIAL FIRE WARNING LOCAL AREA EMERGENCY LAW ENFORCEMENT WARNING	Warning Siren Warning Siren Warning Siren Advisory Siren Warning Siren
LAND SLIDE WARNING NUCLEAR POWER PLANT WARNING RADIOLOGICAL HAZARD WARNING SHELTER IN-PLACE WARNING STORM SURGE WATCH STORM SURGE WARNING	Warning Siren Warning Siren Warning Siren Warning Siren Watch Siren Warning Siren
TORNADO WARNING TROPICAL STORM WARNING TSUNAMI WATCH TSUNAMI WARNING VOLCANO WARNING WILD FIRE WARNING	Warning Siren Warning Siren Watch Siren Warning Siren Warning Siren Warning Siren

Non - Alert Message Table

Non-Alert Messages	Audible Response
TRANSMITTER BACKUP ON TRANSMITTER CARRIER OFF TRANSMITTER CARRIER ON TRANSMITTER PRIMARY ON	None

Note The radio will not give audible / visual response to the Non-Alert messages which will be saved to the event memory for review.

Section 2 Setting Up the Radio

Info Variety features and functions are available for use and configured in Program Mode with Menu Pages listed as below:

Menu Page	Description	Menu Page	Description
P1	SET DATE TIME	P7	MULTI-CH WATCH
P2	CHANNEL COUNTY	P8	ALARM SOCKET
P3	ALERT MODE	P9	SIREN TEST
P4	SIREN VOLUME	P10	BACK LIGHT
P5	VOICE VOLUME	P11	AUTO KEY LOCK
P6	SET EVENT BLOCKING	P12	KEY TONE

Info Press and hold the **MENU** key for 2 seconds to enter Program Mode. The LCD icons next to the **MENU** key and **←** key can aid to program the radio.

Two-beep tone indicates wrong key pressed. To exit program mode, keep pressing **MENU** key. If no keys is pressed for 5 minutes, program mode will be automatically exited.

2.1 Setting Date / Time (Menu Page P1)

Note The date / time must be set correctly as it will also be the time stamp for event message saving to the memory accordingly.

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Press **←** key to enter menu page **P1**.
3. Press **▲** or **▼** key to set time, hold the key to change fast.
4. Press **◀** or **▶** key to select hour / minute digits.
5. Press **←** key to save time and start to set date.
6. Press **▲** or **▼** key to set the Month, Day or Year.
7. Press **◀** or **▶** key to select Month, Day or Year digits.
8. Press **←** key to save and exit.

2.2 Setting Channel / County (Menu Page P2)

Before setting Channel / County, please call NWS toll free No.: **1-888-NWS-SAME (1-888-697-7263)** or visit NWS web site:

<https://www.weather.gov/nwr/counties> to obtain:

1. **NOAA Station Frequency** for your home area, or **Channel No.**
2. **SAME#** for your home county, or **County Code**

In the web site, select the state, then search your county and jot down the **SAME# (County Code)** and **Frequency**, as your **Home Channel** for your location.

Note Both **Channel** and **County Code** are inter-related for alert receiving. Either one of them set incorrectly will result in no alert response and then display

RE-CHECK SET UP on the LCD after every 10 days.

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Press **▶** key to menu page **P2**.
3. Press **⬅** key and the radio is turned on with channel shown.

Tips Press **▲** or **▼** key to adjust voice volume.

4. Press **▶** key to set Home channel for your location.
5. Press **⬅** key to save.
6. Press **⬅** key to Add / Edit county code and continue on in the Section 2.2.1 below.

2.2.1 Add County Code

If no county codes is stored in the memory, follow steps below. Otherwise; go to next Section 2.2.2

1. Press **▲** or **▼** key to set county code digit.
2. Press **▶** key to move to the next digit.
3. Repeat step 1 and 2 to set all six digits.
4. (a). Press **MENU** key to exit if no more county codes entry.
or
(b). Press **⬅** key to save and continue to add next county code, repeat step 1 to 3 above.

2.2.2 ADD / Edit / Delete County

1. Press **◀** or **▶** key to select county option.

Three county options are available, they are:

1. **ALL COUNTY**, 2. **MULTIPLE COUNTY**, 3. **SINGLE COUNTY**.

- with **ALL COUNTY** option, the radio will respond all alerts from the receiving channel, regardless of locations.

- with **MULTIPLE COUNTY** option, the radio will only respond alerts for the counties of your interest.

- with **SINGLE COUNTY** option, the county code is stored in the first memory location, **COUNTY 01**. The radio will respond alerts related to the location in County 01.

2. Press **⬅** key. If **ALL COUNTY** option is selected, it will return to the main menu. If **SINGLE COUNTY** option is selected, then, go through steps 5(c) to (g) below.

3. Press **◀** or **▶** key to browse the stored county codes or go to the empty location to add county code.

4. Press **⬅** key to edit, delete or add county code.

5. (a). To add county code, follow steps in section 2.2.1.

or

- (b). To delete county code, press **◀** key, then **⬅** key.

To delete county code in **SINGLE COUNTY** option, change it to **MULTIPLE COUNTY** and then delete it.

or

- (c). Press **⬅** key to edit county code.
- (d). Press **▲** or **▼** key to set the county code digit.
- (e). Press **▶** or **◀** key to move to the next / previous digit.
- (f). Repeat (d) and (e) above to set all six digits.
- (g). Press **⬅** key to save.
- (h). Repeat from step 3 for the next county edit, if any.
- (i). Press **MENU** key to exit.

Note If there is no county codes stored, '**ALL COUNTY**' option will be set automatically.

2.3 Setting Alert Mode (Menu Page P3)

Alert Option Table

Alert Option:	Alert Responses:
1. VOICE EOM (End of Message)	Activate the Alarm Out Socket, 8 seconds siren, then, voice broadcast (max. 15 minutes) until EOM signal received, or press STOP key to deactivate the Alarm Out Socket and the radio will return to previous state immediately before alert receiving.
2. VOICE Timer	Activate the Alarm Out Socket, 8 seconds siren, then, voice broadcast until Voice Timer expired, or press STOP key to deactivate the Alarm Out Socket and the radio will return to previous state immediately before alert receiving.
3. SIREN	Activate the Alarm Out Socket, generate siren until Siren Timer expired, or press any key to deactivate the Alarm Out Socket and the radio will return to Standby mode.
4. Alert Disable	No audible / visual responses. Alarm Out Socket not activate.

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Keep pressing **▶** key to menu page **P3**.
3. Press **↵** key to select.
4. Press **▲** or **▼** key to select alert option.
5. Press **↵** key to set alert option.

If **VOICE Timer** (option 2) or **SIREN** (option 3) is selected, continue to set Voice Timer or Siren Timer respectively.

- Press **▲** or **▼** key to set the timer in minutes, up to 1 hour.

Info HR - MIN stands for Hour : Minute.

- Press **↵** key to save and exit.

2.4 Setting Siren Volume (Menu Page P4)

Info The siren volume can be set to your desired loudness. Siren mute option is also available for the events in **Event Message Table 1**.

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Keep pressing **▶** key to menu page **P4**.
3. Press **↵** key to select.
4. Press **▲** or **▼** key to set siren volume. During siren, the **ALARM OUT** socket is activated for testing the external device if connected.
5. Press **↵** key to save and exit.

Note If siren volume is set to **00** or **SIREN MUTE**, no siren will be generated for the events in **Event Message Table 1**. However, siren will be generated at the **VOICE VOLUME** level for the events in **Event Message Table 2**.

2.5 Setting Voice Volume (Menu Page P5)

Info Voice volume is used to adjust the radio broadcasts voice message loudness as you desired for **VOICE EOM** or **VOICE Timer** alert mode.

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Keep pressing **▶** key to menu page **P5**.
3. Press **↵** key to turn on the radio broadcast.
4. Press **▲** or **▼** key to set voice volume as desired.
5. Press **↵** key to save and exit.

2.6 Setting Event Blocking (Menu Page P6)

Info

The event messages in **Event Message Table 1** can be set to block (defeat siren) or unblock while the event messages in **Event Message Table 2** are always unblocked (no defeat siren option).

Note

The messages below are blocked initially.

1. REQUIRED WEEKLY TEST
2. REQUIRED MONTHLY TEST
3. ADMINISTRATIVE MESSAGE
4. NATIONAL INFORMATION CENTER
5. NATIONAL PERIODIC TEST
6. NATIONAL AUDIBLE TEST
7. NATIONAL SILENT TEST
8. NETWORK NOTIFICATION MESSAGE
9. PRACTICE / DEMO

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Keep pressing **▶** key to menu page **P6**.
3. Press **↵** key to select.
4. Press **▲** or **▼** key to browse the event messages.

Tips

Press **LIGHT** key to turn off the LED light.
Press **LIGHT** key again to turn on the LED.

5. Press **↵** key to select.
6. Press **◀** or **▶** key to select Alert Enable / Alert Disable.

Note

Alert Enable / On (blinking) = Event Not Blocked
Alert Disable / OFF (blinking) = Event Blocked

7. Press **↵** key to confirm.
8. Repeat steps 4 to 7 to edit other event messages if needed.
9. Press **MENU** key to save and exit.

Note

If the received event message has been set to block (Alert Disable), the **ALARM OUT** socket will not be activated, no audible responses but the event message will be displayed on the LCD.

2.7 Setting Multi-Channel Watch (Menu Page P7)

Info

The radio can be set to watch up to 7 channels in Standby Mode or in AM/FM radio broadcast. When the radio is turned on in WX band, multi-channel watch will be disabled, the radio will only watch alerts from the broadcast channel. Periodically press **◀** or **▶** key to switch channel and hear if any voice alert broadcasting.
In the LCD display: CH denotes Channel

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Keep pressing **▶** key to menu page **P7**. The number of watched channel, if any, is displayed on the bottom.
3. Press **↵** key to enter the menu.
4. Press **◀** or **▶** key to select 'YES'. If the radio is for Home use, select 'NO' and press **↵** key to disable multi-channel watch, then go to step 12.
5. Press **↵** key to enter. The top line displays the channel number and the **∇** sign underneath the channel number indicates the above channel has been set to watch. The Home Channel (set in menu page **P2**) is always a watched channel.
6. Press **◀** or **▶** key to select the channel for watching.
7. Press **↵** key to enter, station frequency is shown.
8. Press **◀** or **▶** key to set the channel to watch or not.
ON = Channel to watch, **OFF** = Channel not to watch.
9. Press **↵** key to confirm. If the channel is set to watch, a **∇** sign will appear underneath the flashing channel number.
10. Repeat steps 6 to 9 to set other channels, if needed.
11. Press **MENU** key to save.
12. a). Press **↵** key to edit the county setting for watched channels, follow steps in section **2.2.2** Edit County.
or b). Press **MENU** key to exit if no county change is needed.

Info

For traveling, if the channel and county code are not sure, set the radio to watch all 7 channels and choose 'ALL COUNTY' option.

2.8 Setting ALARM OUT Socket (Menu Page P8)

Info The **ALARM OUT** socket is a 3.5mm (1/8inch) phone jack with center positive polarity, compatible with home automation devices such as Plug'n Power, X-10.

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Keep pressing **▶** key to menu page **P8**.
3. Press **↵** key to select.
4. Press **▶** key to select **SWITCH** or **DC OUT** option.
5. Press **↵** key to save and exit.

Info When an alert is received, if the option is **SWITCH**, the socket will act as an internal switch to turn on the external connected device power. If the option is **DC OUT**, the socket will output 6 Volts DC (or less if the radio is powered with batteries) to the external connected device (e.g. X-10). Press any key to deactivate the **ALARM OUT** socket.

To test the socket, refer to Menu Page **P9** (SIREN TEST).

Info For **SWITCH** option, the socket's maximum electrical rating is: 12 V DC / 350mA.

2.9 Siren Test (Menu Page P9)

Info The siren test can let you to pre-hear siren / beep tone simulated to actual alert / test audible response.

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Keep pressing **▶** key to menu page **P9**.
3. Press **↵** key to generate siren with **Siren Volume** on the display. If the **Siren Volume** is **00** (mute) in menu page **P4**, the siren will be generated at **Voice Volume** level.
4. Subsequent press **↵** key to generate watch siren, advisory siren and beep tone accordingly.
5. Press **MENU** key to stop and exit.

Note The siren / beep tone will last for about 15 seconds. During siren, the **ALARM OUT** socket can be tested to trigger the external device if connected.

2.10 Setting LCD Back Light (Menu Page P10)

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Keep pressing **◀** key to menu page **P10** then, press **↵** key.
3. Press **▲** or **▼** key to set brightness, or press **◀** key to set continuous back light **OFF / ON**.
4. Press **↵** key to save and exit.
5. Press **MENU** key to exit program mode.

If continuous back light is set OFF as the radio is powered by A/C adapter, pressing a key (except **STOP** key when turning off the radio) will illuminate the back light for 10 seconds.

2.11 Setting Auto Key Lock (Menu Page 11)

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Keep pressing **◀** key to menu page **P11** then, press **↵** key.
3. Press **◀** or **▶** key to set key lock **ON** or **OFF**.
ON = Enable key lock, **OFF** = Disable key lock.
4. Press **↵** key as 'ON' is flashing.
5. Press **▲** or **▼** key to set the delay time (5 sec to 30 mins).
6. Press **◀** or **▶** key to select minute or second digit.

Info MIN - SEC stands for Minute : Second

7. Press **↵** key to save and exit.
8. Press **MENU** key to exit program mode.

2.12 Setting Key Tone On/Off (Menu Page 12)

1. Long press **MENU** key for 2 seconds to enter program mode.
2. Press **◀** key to menu page **P12**, then, press **↵** key.
3. Press **▲** or **▼** key to set key tone.
The soft tones (low/medium/high) are indicated by the key tone 1, 2 and 3 respectively. The beep tones (low/high) are indicated by key tone 4 and 5 respectively.
4. Press **↵** key to save and exit.
5. Press **MENU** key to exit program mode.

Trouble Shooting:

Problem	Possible Cause / Suggestion
No Sound/Power	AC adapter is loosely connected to the wall outlet or the adapter DC jack loosely connected to the radio.
No weather broadcast when turning on the radio	<ul style="list-style-type: none"> - The WX channel was not set correct to your local channel. Set the channel in program menu page P2. - Contact your local NOAA to check if the transmitter is on.
Poor radio reception	<ul style="list-style-type: none"> - Weak signal - Fully extend the antenna - Direct / rotate the antenna to have optimum reception. - When external antenna is used, ensure good connection.
The display reads: RE-CHECK SET UP	<ul style="list-style-type: none"> - No test / alert messages received for the past 10 days. - The channel/county code may not set correctly. - Radio in weak reception or static, fully extend the antenna, re-locate the radio for best reception. - Contact your local NOAA to see if test signal was transmitted.

Note The channel and county codes are inter-related for alert receiving. Either one of them incorrect will result in no alerts and displaying RE-CHECK SET UP on the LCD, indicating no alert / test messages received for 10 days.

Specification:

Power Supply: 10 - 14 Volt DC (centre positive DC Jack)

Back-up Battery: 4 'AA' Batteries (6 Volt)

Operating Temperature: -10 °C (14 °F) ~ +50 °C (122 °F)

With fresh alkaline batteries (Duracell or Energizer brand), listed below is the backup battery life time for reference.

Operation Mode		Battery Life Time
Standby	Home Channel Watch Only	280 Hours
	7-Channel Watch	120 Hours
Weather Radio Broadcast at Low Volume		50 Hours

Weather Band Receiver:

Channel:	1	2	3	4	5	6	7
Freq(MHz)	162.4	162.425	162.45	162.475	162.5	162.525	162.55

Receiving Sensitivity @12 dB SINAD: 0.22uV

S A M E Alert Sensitivity (+/- 4.0KHz Dev.): 0.22uV

Channel Selectivity: 60dB

S/N ratio: 45dB

Distortion: 3%

Max output power: 250mW

AM/FM Band Receiver:

FM Band: 87.5MHz - 108.5MHz

AM Band: 520KHz - 1710KHz

Dimensions (HWD):

135mm x 60mm x 63mm (5.32 x 2.36 x 2.48 inches)

Specifications are typical; individual units might vary.

Specifications and features are subject to change without prior notice.

Limited One-Year Warranty

Subject to the conditions of this Limited Warranty, **Reecom Electronics, Inc.** (Reecom) warrants this Product to be free from defects in material and workmanship at the time of its original purchase by a consumer, and for a subsequent period of one (1) year. Prior to return the Product for warranty service, it is required to request RMA (Return Merchandised Authorization) Number. Please visit the link below for details.

<http://www.reecominc.com/warranty.htm>

Reecom will at its option, either repair or replace the Product in accordance with the terms and conditions stipulated herein.

CONDITIONS

1. Damaging / tampering with any of the seals on the Product will void the warranty.
2. This warranty does not cover (a) damage or failure resulting from liquid or due to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, lightning or other incidence of excess voltage or current; (b) consumables such as back-up batteries; (c) cosmetic damage; (d) transportation, shipping or insurance costs; (e) costs of product removal, installation, set-up service adjustment or reinstallation of product in a vehicle or other mounting; or (f) any antennas, which may be a part of or included with the warranted Product.
3. This warranty does not cover Product failures caused by installation, modifications or hardware adjustment, or repaired or opening of the Product performed by a non-Reecom authorized person.
4. If Reecom repairs or replaces the Product, the repaired or replaced Product shall be warranted for the remaining time of the original warranty period or for sixty (60) days from the date of repair, whichever is longer.

5. THERE ARE NO EXPRESS WARRANTIES, WHETHER WRITTEN OR ORAL, OTHER THAN THIS PRINTED LIMITED WARRANTY. ALL IMPLIED WARRANTIES, INCLUDING WITHOUT LIMITATION THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED TO THE DURATION OF THIS LIMITED WARRANTY. IN NO EVENT SHALL Reecom BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE WHATSOEVER, INCLUDING BUT NOT LIMITED TO LOST PROFITS OR COMMERCIAL LOSS, TO THE FULL EXTENT THOSE DAMAGES CAN BE DISCLAIMED BY LAW.

Note

Some states do not allow the exclusion or limitation of incidental or consequential damages, or limitation of the duration of implied warranties, so the preceding limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights, which vary, from state to state.