# First Alert®

## PORTABLE AM/FM WEATHER BAND CLOCK RADIO WITH S.A.M.E. WEATHER ALERT



## USER MANUAL
## SFA1180

BC

PLEASE READ THIS USER MANUAL COMPLETELY BEFORE OPERATING THIS UNIT AND RETAIN IT FOR FUTURE REFERENCE IT FOR FUTURE REFERENCE

# DEAR FIRST ALERT® CUSTOMER

Selecting fine audio equipment such as the unit you've just purchased is only the start of your musical enjoyment. Now it's time to consider how you can maximize the fun and excitement your equipment offers. This manufacturer and the Electronic Industries Association's Consumer Electronics Group want you to get the most out of your equipment by playing it at a safe level. One that lets the sound come through loud and clear without annoying blaring or distortion and, most importantly, without affecting your sensitive hearing.

Sound can be deceiving. Over time your hearing "comfort level" adapts to higher volumes of sound. So what sounds "normal" can actually be loud and harmful to your hearing. Guard against this by setting your equipment at a safe level BEFORE your hearing adapts.

## To establish a safe level:

- Start your volume control at a low setting.
- Slowly increase the sound until you can hear it comfortably and clearly, and without distortion.

## Once you have established a comfortable sound level:

- Set the dial and leave it there.

Taking a minute to do this now will help to prevent hearing damage or loss in the future. After all, we want you listening for a lifetime.

## We Want You Listening For a Lifetime

Used wisely, your new sound equipment will provide a lifetime of fun and enjoyment. Since hearing damage from loud noise is often undetectable until it is too late, this manufacturer and the Electronic Industries Association's Consumer Electronics Group recommend you avoid prolonged exposure to excessive noise.

## Customer's Record:

The serial number of this product is found on its bottom cover. You should note the serial number of this unit in the space provided as a permanent record of your purchase to aid in identification in the event of theft of loss.

**Model Number: SFA1180**        **Serial Number: _____**

# IMPORTANT SAFETY INSTRUCTIONS

When used in the directed manner, this unit has been designed and manufactured to ensure your personal safety. However, improper use can result in potential electrical shock or fire hazards. Please read all safety and operating instructions carefully before installation and use, and keep these instructions handy for future reference. Take special note of all warnings listed in these instructions and on the unit.

1. Read these instructions – All the safety and operating instructions should be read before the appliance is operated.

2. Keep these instructions – The safety and operating instructions should be kept for future reference.

3. Heed all warnings – All warnings on the appliance and in the operating instructions should be adhered to.

4. Follow all instructions – All operation and use instructions should be followed.

5. Do not use this apparatus near water – The appliance should not be used near water; for example, near a bath tub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool.

6. Clean only with dry cloth – The appliance should be cleaned only as recommended by the manufacturer.

7. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.

8. Only use attachments / accessories specified by the manufacturer.

9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

10. This appliance shall not be exposed to dripping or splashing water and that no object filled with liquids such as vases shall be placed on the apparatus.

11. Power Sources – The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance. Do not overload wall outlet.

12. Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

13. Do not attempt to dismantle, open or repair this product yourself. If a fault occurs, seek advice from your local qualified service technician or contact the distributor via the telephone number at the back of this instruction manual.

14. Caution marking and nameplate are located on bottom of product.

## COMPLIANCE WITH FCC REGULATIONS

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.

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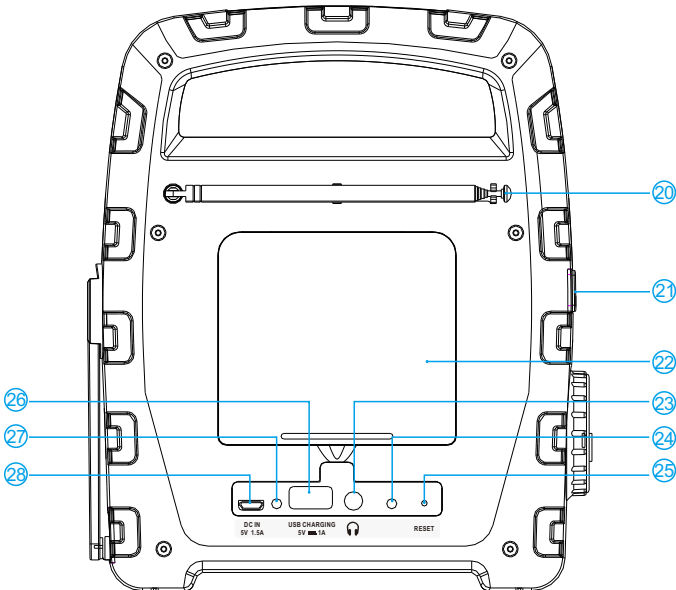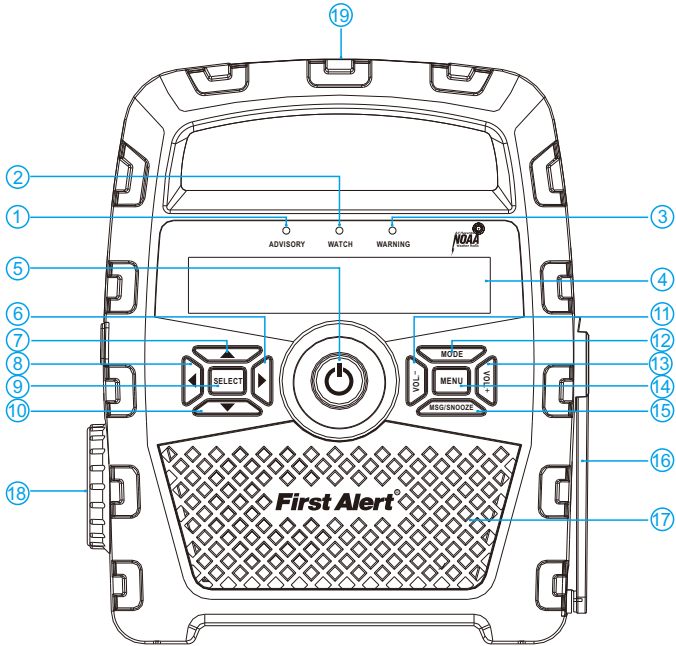
- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
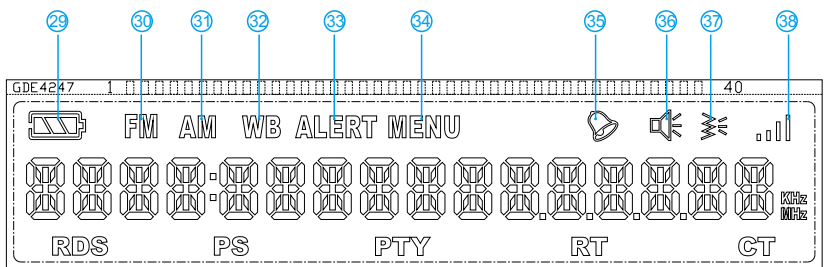- Consult the dealer or an experienced radio/TV technician for help.

**CAUTION:Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.**

## SPECIAL NOTE

To prevent any scratching or damage to your furniture, we strongly recommend that you purchase small self-adhesive felt pads, available at hardware stores and home improvement centers everywhere, and apply these pads to the bottom of the unit before you place the product on any fine wooden furniture.

ADVISORY  WATCH  WARNING

NOAA

MODE

VOL  VOL

MENU

SELECT

MSG/SNOOZE

First Alert

DC IN
5V 1.5A

USB CHARGING
5V ⎓1A

RESET

4

GDE4247  1                                              40

battery  FM  AM  WB  ALERT  MENU            🔔  🔇  ≋  ▪▫

RDS          PS              PTY              RT              CT

KHz
MHz

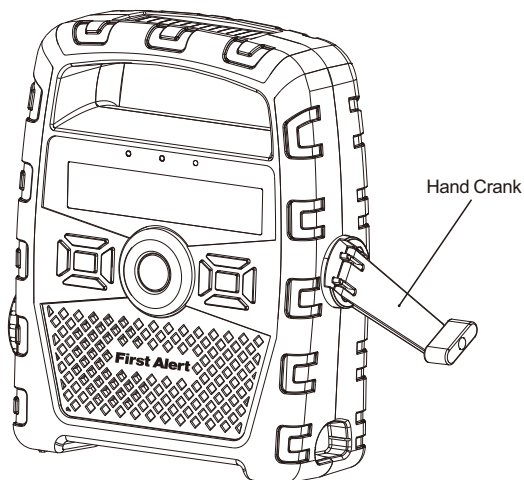| 1 | ADVISORY ALERT INDICATOR | 20 | TELESCOPIC ANTENNA |
|---|---|---|---|
| 2 | WATCH ALERT INDICATOR | 21 | Flashlight ON/OFF button |
| 3 | WARNING ALERT INDICATOR | 22 | BATTERY COMPARTMENT DOOR |
| 4 | MULTI-FUNCTION LCD DISPLAY | 23 | Headphone Out |
| 5 | POWER On/Standby ⏻ / USB Charging Switch Button | 24 | Solar Charging Indicator |
| 6 | MOVE RIGHT ▶ / TUNE+ Button | 25 | Reset Button |
| 7 | MOVE UP ▲ Button | 26 | USB Charging Port |
| 8 | MOVE LEFT ◀ / TUNE- Button | 27 | USB/CRANK Charging Indicator |
| 9 | SELECT / RADIO PRESET MEMORY Button | 28 | Micro USB Battery Charging Port |
| 10 | MOVE DOWN ▼ Button | 29 | LOW BATTERY INDICATOR |
| 11 | VOLUME DOWN (-) Button | 30 | FM RADIO MODE INDICATOR |
| 12 | MODE Button | 31 | AM RADIO MODE INDICATOR |
| 13 | VOLUME UP (+) Button | 32 | WEATHER RADIO MODE INDICATOR |
| 14 | MENU/RADIO PRESET RECALL Button | 33 | WEATHER ALERT MODE INDICATOR |
| 15 | ALERT MESSAGE / SNOOZE Button | 34 | MENU MODE INDICATOR |
| 16 | Dynamo Hand Crank | 35 | ALARM INDICATOR |
| 17 | SPEAKER | 36 | VOICE ALERT INDICATOR |
| 18 | LED Flashlight | 37 | SIREN ALERT INDICATOR |
| 19 | Solar Panel | 38 | WEATHER BAND SIGNAL STRENGTH INDICATOR |

# POWER SOURCE

**IMPORTANT:** Before using the SFA1180, you need to remove the battery insulator tab from the back of the unit by pulling it out of the unit. This will activate the internal rechargeable battery. If you pull the insulation tab out and the display does not turn on, or the display comes on, but the radio and flashlight do not work, you need to reset the unit using the following procedure.

1. Refer to the "Resetting the Unit" instructions located in the CARE AND MAINTENANCE section of this manual. Press the RESET button located on the back of the SFA1180, and the unit should return to normal operation.

2. When the low battery icon ▭ appears on the display, either the internal battery needs to be recharged, or the "AA" batteries need to be replaced.

3. If the display does not turn on after pressing the RESET button, the level of the internal battery may be low. If this occurs, lift the hand crank and rotate it clockwise to generate some power. You can also connect the unit to a USB charger (not included) or computer USB port for charging.

## A) FOUR WAYS TO POWER THE UNIT

## 1) "DYNAMO" POWER OPERATION

1. The SFA1180 comes with a preinstalled 3.7V DC rechargeable lithium-ion battery. You must remove the battery insulator tab from the back of the unit to activate the battery.

2. Pull the Dynamo Hand Crank out from the side of the unit until it's fully extended. Start to turn the Crank in a clockwise direction to charge the internal battery. The red CHARGING indicator located on the back will flash while charging.



Hand Crank

3.Continue turning the Crank to charge the internal battery. The longer you turn the hand crank, the more power you are generating to charge the battery, and the Radio listening time will be extended (Radio reception only).

**Notes:**
- The unit may require 5 - 6 minutes of constant cranking if the LCD clock display and LED light do not work, and the battery is completely drained.

- You may need to press the reset button, and turn the hand crank a few times if battery has been charged, but the radio and/or LED light still doesn't work.

4. Press the Power On/Standby ⏻ button to turn on the unit for operation.

**NOTE:**
**The battery compartment features an adjustable terminal, so it can accommodate 3.7V DC rechargeable batteries of different lengths.**
**A 3.7V DC / 2200mA (CR 18650) battery is included, but you can replace this battery with a higher or lower mA capacity CR18650 battery (not included) if needed.**
**To insure proper operation and charging, only replace the battery with a compatible CR 18650 type 3.7V DC lithium-ion battery.**

⚠️ **Lithium Battery Safety Instructions**
Do not burn or bury batteries. Do not puncture or crush. Do not disassemble.
Recycle Lithium batteries. Do not dispose of in the trash.

If the electrolyte in the cells should get on your skin, thoroughly wash with soap and water. If in the eyes, rinse thoroughly with cool water. Immediately seek medical attention.

Use only chargers rated for Lithium cells. Be sure the charger's voltage and current settings are correct for the battery pack being charged.

Charge batteries on a fireproof surface away from flammable items or liquids.

Batteries should NEVER be left unattended while charging. Only adults should charge the batteries.

Follow the manufacturer's instructions for charging the product and do not charge longer than recommended. Unplug the charger when the battery is charged.

| **Recycle Rechargeable Batteries** |
| --- |
| Recycle your old rechargeable batteries at one of the many collection sites in the U.S. and Canada. To find the site nearest you, visit www.call2recycle.org or call toll-free 1-877-2-RECYCLE. |

## 2) "AA"Battery Operation

1. Open the Battery Door on the back of the radio.
2. Follow the markings inside the battery compartment, and insert 3 new 'AA' (UM-3) batteries (not included). Make sure the positive and negative ends of the batteries are facing the correct direction.

   **Note:** For optimum performance, alkaline-type batteries are recommended.

3. Close the battery door.

   **Note:** When "AA" batteries are installed along with the built-in lithium battery, the build-in rechargeable battery pack will be the primary power source.

**IMPORTANT**: Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.
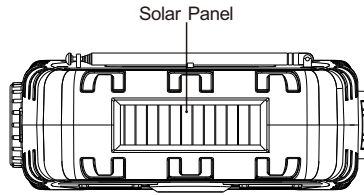
## WARNING:

- Be sure that the batteries are installed correctly. Wrong polarity may damage the unit.
- Do not mix old and new batteries.
- Do not mix alkaline, standard (carbon-zinc) or rechargeable (nickel-cadmium) batteries.
- Only batteries of the same or equivalent type as recommend are to be used.
- If the unit is not to be used for an extended period of time, remove the battery. Any old or leaking battery can cause damage to the unit and may void the warranty.
- Do not dispose of batteries in fire, batteries may explode or leak.
- Do not try to recharge batteries not intended to be recharged; they can overheat, rupture and leak (Follow battery manufacturer's directions).

## 3) SOLAR POWER / CHARGING

1. Make sure the rechargeable Lithium-ion Battery is installed.
2. Put the unit in direct sunlight (not through a window or in the shade), and making sure the solar panel of the unit is facing towards the sun. If the sunlight is strong enough, the yellow solar charging Indicator on the back will light indicating the unit is charging. The longer you leave the unit in direct sunlight, the more power you are generating to charge the battery, and the Radio listening time will be extended (Radio reception only).

   **Note:** If the battery is completely drained (LCD clock display and LED light do not work), it may require a very long exposure to direct sunlight in order to charge the battery using the solar panel. You should use one of the other power modes available if you need to use the radio immediately.

Solar Panel



**NOTE:** The unit can only be charged using outdoor sunlight. Indoor incandescent lights and lamps are not strong enough to charge the rechargeable battery properly.

## 4) USB POWER / CHARGING

The unit has a micro USB port on the back of the unit under the Rubber Dust Cover.
Use a standard USB to micro USB cable (not included), and plug one end of the USB cable into a computer USB port. Plug the other end with micro USB into the micro USB port located on the back of the unit. The internal battery of the SFA1180 will begin to charge automatically when your computer is ON. Charge the unit a minimum of 7 to 8 hours prior to using, and the radio should not be used while charging with your computer.

**NOTE:** A USB power adaptor with 5V DC, 1500mA output (not included), the same type commonly used with smartphones, can also be used for charging the internal battery of the SFA1180. A USB to micro USB cord (not included) is also required for charging the unit via the micro USB port located on the back of the unit.

## LOW BATTERY INDICATOR

When operating the unit using battery power, and the battery power becomes weak, the low battery icon ▭ will appear on the display and flash. We recommend you replace the exhausted batteries immediately.

**NOTE:** 1.) If you set the display backlight to always on, the display backlight may blink when the battery power becomes weak even if the low battery indicator isn't showing. If this occurs, set the backlight to NORMAL in setup menu to save battery power or recharge internal battery or replace all AA batteries with fresh ones.

2.) The speaker in this unit is not magnetically shielded and may cause color distortion on the screen of some TVs or video monitors. To avoid this, you may need to move the unit further away from the TV or monitor if unnatural color shifts or image distortion occurs.

# CHARGING LED INDICATORS

## LEDs ARE LOCATED ON BACK OF UNIT

Battery Charging via USB
- LED flashes Red during charging.
- LED lights Red when fully charged.

Battery Charging via Crank
- LED flashes Red during charging.

Battery Charging via Solar Power
- Solar charging LED lights yellow.

# CHANGE DISPLAY BACKLIGHT TIME

## SETTING THE LCD BACKLIGHT TIME
1. In standby mode, press the **MENU** button, "**COUNTY CODE**" is shown on the display.
2. Tap the ▲/▼ button until "**BACKLIGHT SET**" is showing on the display.
3. Tap the **SELECT** button to show the current backlight setting.
4. Tap the ▲/▼ button to choose "**NORMAL**" or "**ON**" to select Backlight turn on time.
   ON will keep the backlight on at all times, and NORMAL will automatically turn off the display backlight after 10 seconds.
5. Press the **SELECT** button to save your BACKLIGHT time setting.
6. Press **MENU** button to exit set up mode.

# CLOCK and DATE SETTING

When the unit is in standby mode:

## SETTING 12/24 HOUR FORMAT
1. Tap the **MENU** button, and "**COUNTY CODE**" is shown on the display.
2. Tap the ▲/▼ button until "**TIME SET**" is showing on the display.
3. Tap the **SELECT** button to enter clock setting mode, 12 hour format (12 HR) flashing.
4. Tap the ▲/▼ button to select 12 hour (12HR) or 24 hour (24HR) format, then press the **MOVE RIGHT** ▶ button to confirm. Hour digits flashing to prompt for input.

## SETTING THE CLOCK
5. Tap the ▲/▼ button repeatedly to set the hour value. Press and hold the buttons to speed up the forward or reverse scanning of the digits.

**Note:** Make sure the hour is set so that the **AM** or **PM** indicators are displayed correctly.

6. Press the ▶ button after the hour is set, Minute digits flashing to prompt for input.

7. Tap the ▲/▼ button to set the minute digit(s). Press and hold the buttons to speed up the forward or reverse scanning of the digits.

8. Press the ▶ button to confirm. Month digits flashing to prompt for input.

## SETTING THE DATE

9. Tap the ▲/▼ buttons to set the month. Press the button after the month is set, Date digits flashing to prompt for input.

10. Tap the ▲/▼ button to set the date. Press and hold the buttons to speed up the forward or reverse scanning of the digits.

11. Press the ▶ button after the date is set, Year digits flashing to prompt for input.

12. Tap the ▲/▼ button to set the year. Press the **SELECT** button to finish the setting mode back to main menu.

13. Tap the **MENU** button to exit the set up mode.

**Note:** If the unit was reset or the batteries go dead, you need to set the clock again.

## ALARM SETTING

### SETTING THE ALARM TIME

1. In standby mode, tap the **MENU** button once, and **"COUNTY CODE"** is shown on the display.

2. Tap the ▲/▼ button until **"ALARM SET"** is showing on the display.

3. Tap the **SELECT** button to enter alarm setting mode, the default alarm time AM 12:00 is displayed and hour digits is flashing to prompt for input.

4. Tap the ▲/▼ button repeatedly to set the hour value. Press and hold the buttons to speed up the forward or reverse scanning of the digits.

**Note:** Make sure the hour is set so that the **AM** or **PM** indicators are displayed correctly.

5. Press the ▶ button after the hour is set, Minute digits flashing to prompt for input.

6. Tap the ▲/▼ button to set the minute digit(s). Press and hold the buttons to speed up the forward or reverse scanning of the digits.

7. Press the ▶ button after the minute is set, alarm wake up source flashing to prompt for input.

8. Tap the ▲/▼ button to select beeping alarm, wake to radio or turn off the alarm.

9. Tap the **SELECT** button to confirm. Alarm indicator ⌂ appears on display if beeping alarm or wake to radio is selected.

10. Tap the **MENU** button to exit set up menu.

## Wake to ALARM or WEATHER RADIO

1. The Alarm or radio will automatically turn on when alarm time is reached. The volume level of radio alarm increases gradually until it reaches the factory preset level. The Alarm or radio sounds for 60 minutes and then turn off automatically if the SNOOZE button is not pressed.

   **Note**: 1.) Beeping alarm sounds a factory preset level.
   2.) The VOLUME+ or VOLUME- buttons will adjust the FM, AM and Weather radio volume levels, but not the alarm level.

2. To stop the Alarm (or FM, AM, Weather radio) immediately, tap the **POWER** ⏻ button once to turn it off, and will reset it for the next day.

**Notes:**
- You select the radio station you want to be woken up to(AM, FM or Weather) before starting to set the alarm time and selecting wake up mode.
- The selected wake alarm will ring again at the same time each day unless it's disabled.

## SNOOZE FUNCTION

- When the alarm sounds, it can be temporarily stopped by pressing the **SNOOZE** button. The Alarm indicator ⌂ will be flashing.
- The alarm will be silenced for 8 minutes and then come again.
- This manual snooze operation can be repeated again and again when the selected alarm is sounding.
- To turn off the snooze function immediately, tap the **POWER** ⏻ button once.

## SLEEP OPERATION

The sleep timer allows you to automatically turn the unit off after a designated time is reached.

1. To activate the sleep timer, turn the unit on and tap the **MODE** button to select **AM, FM** or **Weather band** radio.

2. Tap the **SELECT** button twice and the sleep time **"SLP OFF"** appears on the display and **OFF** is flashing.

3. Repeatedly tap the ▲/▼ button to select a sleep time. The unit will turn off after 10, 20, 30, 40, 50, 60, 70, 80, 90, 100, 110 or 120 minutes. Tap the **SELECT** button to confirm the selection, display will change to show clock and "zZ" after 10 seconds, the unit will play for the selected length of time then automatically turn off.

4. To cancel the sleep timer, tap the **SELECT** button twice in clock display mode, remained sleep time will flash. Tap the ▲/▼ button until timer shows **"OFF"**. Tap the **SELECT** button, sleep timer indicator **"zZ"** will disappear from display immediately.
5. To turn the unit off before the selected length of time, press the **POWER** ⏻ button at any time.

**Notes**:
1.) To check the remaining sleep time, tap the SELECT button once in clock display mode.
2.) If you select sleep time in weather band mode, the sleep timer will turn the unit into Weather Alert mode instead of power off (standby) mode.

## LISTENING TO THE RADIO

1. Tap the **POWER** ⏻ button to turn on the unit.
2. Tap the **MODE** button repeatedly to select AM, FM or Weather band. The radio indicator displays in the sequence below.

FM ⟶ AM ⟶ WB ⟶ ( WB )Alert

3. To manually tune to a desired station, repeatedly tap the tuning ◀/▶ button.
4. To automatically search for stations with strong signals, press and hold the tuning ◀/▶ button until the frequency digits on the display begin to scan, then release the button. The tuner will stop on the first strong signal it finds.
5. Press the **VOLUME+ / -** button to obtain the desired sound level.
6. Tap the ⏻ button on the unit to turn unit into standby mode after listenning.

**Notes:**
● Use manual tuning to select weaker stations that might be skipped during automatic tuning.
● If the automatic tuning does not stop on the exact frequency of the station, for example, it stops on 88.9 MHz instead of 88.8 MHz, use the manual tuning method to "fine tune" to the exact frequency of the desired station.

**HINTS FOR BEST RECEPTION:**
● The AM antenna is located inside the cabinet of the unit. If AM reception is weak, change the position of unit until the internal antenna picks up the strongest signal.
● To insure maximum FM tuner reception, the Telescopic Antenna should be fully extended and rotated to obtain the best possible station reception.

## PRESET RADIO STATIONS

This unit has 10 preset memories for the AM radio and 10 preset for FM.

1. Tap the ⏻ button to turn the unit ON.

2. Tap the **MODE** button repeatedly to select AM or FM mode.

3. Tune to the desired radio station either by "manually" or "automatically" tuning method.

4. Press and hold the memory **SELECT** button to enable the program function. The radio preset number "M1" will show on the LCD display and flash.

5. Tap the ▲/▼ button to select the preset number you want to assign the station to.

6. Tap the **SELECT** button to save the station, preset channel number stops flashing.

7. Repeat above steps 3-6 to store other stations.

   **Note:** If you select an existing preset memory, the new radio station frequency will replace the existing one.

## RECALLING PRESET MEMORY CHANNELS

1. In AM or FM radio mode, tap the **MENU** button, memory preset number appears in display.

2. Tap the ▲/▼ button to select the preset memory.

## WEATHER BAND

### 1) Weather Radio

1. Tap the ⏻ button to turn on the unit.

2. Tap the **MODE** button to select weather band, the "WB" icon will show on the display.

3. Tap the tuning◄/►button to select the weather band channel for your area.
   **Note:** Weather band channels can only be selected in WB mode but not Alert mode.

4. Press the **VOLUME+/ -** button to obtain the desired sound level.

5. To turn the radio off, tap the ⏻ button.

### Weather Band Channel Frequency Table

| CHANNEL | FREQUENCY(MHz) |
|---------|----------------|
| CH1 | 162.400 |
| CH2 | 162.425 |
| CH3 | 162.450 |
| CH4 | 162.475 |
| CH5 | 162.500 |
| CH6 | 162.525 |
| CH7 | 162.550 |

**Note:** With regard to the NOAA Weather Band: You need to identify which channel receives your local weather report. When you change locations either to another city or state, you may need to choose a different band to get the local report in that location.

## HINTS FOR BEST RECEPTION:

To insure maximum weather band reception, the Telescopic Antenna should be fully extended and rotated to obtain the best possible station reception.

**Note:** 1.) The radio will continue to drain the battery if it's left in Weather Standby Mode, so it is highly recommended that you use USB adaptor(not included) to prevent the battery from completely draining and turning the radio off while in use.

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

3.) The NOAA Weather Service broadcasts a test alert every Wednesday between 11 am and Noon. To receive the broadcasts, the radio must be within the range of the local broadcast site, 10 - 40 miles, depending on terrain and obstructions.

## To learn more:

Or find the weather band channel for your area, go to: http://www.nws.noaa.gov/nwr/ for NOAA (National Oceanic & Atmospheric Administration) and http://www.ec.gc.ca/ for Environment Canada.

## USING THE NWR S.A.M.E. Function

**The S.A.M.E (Specific Area Message Encoder) function allows you to receive alerts for specific counties, or for certain types of watches, advisories or warnings, and screen out alerts that are not specific to your area.**

To use the S.A.M.E. function, you must program your county, parish, independent city or marine area into the radio. Do NOT program your radio for a louder or clearer station not designated as a S.A.M.E. channel. You will not receive alerts. Once programmed, your NWR will then alert you only of weather and other emergencies for the county(s)/ area(s) you chose. NWR receivers with SAME, alert for emergencies anywhere within the coverage area of the NWR transmitter, typically several counties, even though the emergency could be well away from the listener.

- When an NWS office broadcasts a warning, watch or non-weather emergency, it also broadcasts a digital S.A.M.E. code that may be heard as a very brief static burst, depending on the characteristics of the receiver. This SAME code contains the type of message, county(s) affected, and message expiration time.

- A programmed NWR S.A.M.E. receiver will turn on for that message, with the listener hearing the 1050 Hz warning alarm tone as an attention signal, followed by the broadcast message.
- At the end of the broadcast message, listeners will hear a brief digital end-of-message static burst followed by a resumption of the NWR broadcast cycle.

S.A.M.E. is also used in the Emergency Alert System (EAS). Using S.A.M.E., broadcasters may receive NWR warning messages for rebroadcast in accordance with EAS rules.

**To learn more about the S.A.M.E. feature:**
Go to: http://www.nws.noaa.gov/nwr/same.htm

### County Codes for Programming Your Receiver
To program NWR S.A.M.E. receivers with the proper county(s) and marine area(s) of choice, you need to know the 6-digit SAME code number. Then follow the directions in your radio's user's manual. You can get your SAME number two ways:

- Online at the website: http://www.nws.noaa.gov/nwr/indexnw.htm
- By telephone at 1-888-NWR-SAME (1-888-697-7263) for a voice menu

### PROGRAMMING YOUR S.A.M.E. COUNTY CODES
The SFA1180 Weather Alert Radio is preset to receive "ALL" alerts and transmissions that are broadcast. If you want to receive all the alerts that are broadcasting by NOAA, leave the "COUNTY" setting on "ALL". For more options, follow the menu selections below.
**Note:** All programming can only be done when unit is in standby mode.

### Customizing the S.A.M.E County Code settings
### For "ALL" S.A.M.E. Code (Receive All Counties)
1. Tap the **MENU** button, and "**COUNTY CODE**" is shown on the display.
2. Tap the **SELECT** button to select county code, the default setting is **"ALL"**, and should be displayed.
3. Tap the ▲ or ▼ button to select "**ALL**" if "**SINGLE**" or "**MULTIPLE**" is showing.
4. Once "**ALL**" is showing, tap the SELECT button to save your setting.
5. Tap the **MENU** button to exit.
6. The SFA1180 will alert anytime when there is a warning/watch/advisory for all the counties covered by the NOAA broadcast you are monitoring.

### IMPORTANT:

**1.) You must to have the S.A.M.E. County Codes for the area you want to monitor prior to setting the "SINGLE" or "MULTIPLE" codes below. Please read the "County Codes for Programming Your Receiver" section of this manual for information on how to obtain the codes before proceeding.**

**2.) Unit will not receive any weather alert if the unit is in the power off (standby mode), if the wake up alarm is sounding or if snooze mode is activated.**

## For "SINGLE" S.A.M.E. Code (Receive One County)

1. Tap the **SELECT** button in **COUNTY CODE** set up menu, current county code setting displays.

2. If current county code is not in single mode, tap the ▲ or ▼ button to select "SINGLE**"**. Tap the **SELECT** button, and the display will show digit county code. The first digit space will start blinking.

3. Tap the ▲ button to scroll through digits 0-9 to input the first digit; it should always be set to "0".

4. Tap the ▶ button to save each digit and move to next digit setting until all six digits have been set.

5. Tap the **SELECT** button to save your "SINGLE" county code, then tap the **MENU** button to exit.

6. The SFA1180 will only alert you when there is a warning/watch/advisory for the one county you entered the S.A.M.E. code for, as long as it is within the area covered by the NOAA broadcast you are monitoring.

## For "MULTIPLE" S.A.M.E. Code (Receive Multiple Counties)

1. Tap the **SELECT** button in **COUNTY CODE** set up menu, current county code setting displays.

2. If current county code is not in multiple mode, tap the▲ or ▼button to select "**MULTIPLE"**.

3. Tap the **SELECT** button, and the display will show CODE 01 and blinking.

4. Tap the ▶ button to program your 6 digit county code for the first county you want to add. The first digit space will start blinking.

5. Use the ▲ arrow to scroll through digits 0-9 to input the first digit, it should always be set to "0".

6. Tap the ▶ button to save each digit and advance to next digit until all six digits have been set.

7. Tap **SELECT** button to save your "MULTIPLE" code to CODE 01. CODE 02 is blanking. tap the▲ or ▼ button to select code location to program or edit if necessary.

8. Repeat above steps 4-7 to program another county code. You can program up to 23 county codes.

9. Press **SELECT** button to save your **S.A.M.E** code.

10. Tap the **MENU** button to exit.

11. The SFA1180 will only alert you when there is a warning/watch/advisory for the individual counties you entered the S.A.M.E. codes for, as long as it is within the area covered by the NOAA broadcast you are monitoring.

**Note:** The display will automatically revert to standby mode if no button if pressed within 30 seconds.

**Helpful Tips:**
The S.A.M.E code is created using the following method:
- The first digit is the sub-county code, 0 in most areas.
- The second two digits represent the state code.
- The last three digits represent the county code.

**CHOOSE AN ALERT TYPE (DISPLAY, VOICE or SIREN)**

1. Press the **MENU** button, and "**COUNTY CODE**" is shown on the display.
2. Tap the ▲ or ▼ button repeatedly until **"ALERT MODE"** is shown on the display.
3. Tap the **SELECT** button to enter the alert selection mode.
4. Tap the ▲ or ▼ button to select **"DISPLAY", "VOICE"** or "**SIREN**" alert mode and then tap the **SELECT** button again to confirm.
5. Tap the **MENU** button to exit.
6. When an alert is received you are able to silence the alert manually by tapping the **MSG/SNOOZE** button. The unit will sound again the next time an alert is received.

**ALERT TYPE OPTIONS**

- **"DISPLAY"** Alert = No audible sound will be heard when an alert is received, and only a text alert will scroll on the display.
  **EXCEPTION:** When the SFA1180 is set to "DISPLAY" Alert, the alert tone siren will still sound if one of the alerts marked with an asterisk " **\*** " on the "**SELECTABLE ALERT REFERENCE CHART**" below is received.
- **"VOICE"** Alert = The alert tone siren will sound for 8 seconds, and then automatically switch to the NOAA weather broadcast. The NOAA broadcast will continue until the NWR end-of-message code is received.
- **"SIREN"** Alert = The alert tone siren will sound for 5 minutes or until you press any button to silence it. The volume of alert tone siren is fixed and cannot be adjusted with the **VOLUME +/-** control button.

**ALERT INDICATOR LIGHTS**
The Alert indicator lights on front panel of the unit will flash whenever an alert is received and then stay on solid for the duration of the alert. The indicators will light in different colors based on the type of alert received.

- **WARNING** Alert received – the Alert indicator lights flash **RED**, and then stay lit while the warning is in effect.
- **ADVISORY** Alert received – the Alert indicator lights flash **YELLOW**, and then stay lit while the advisory is in effect.
- **WATCH** Alert received – the Alert indicator lights flash **ORANGE**, and then stay lit while the watch is in effect.

After an alert is received, tap any button on the unit to stop LED flashing. LED changes to light steadily. Tap the **MSG/SNOOZE** button repeatedly to view activating alerts if any. you can temporarily turn off the indicator lights by press and hold the **MSG/SNOOZE** button on the unit for 3 seconds. The alert message will continue to scroll on the display until the alert expires. The Alert indicator lights will turn on again when another alert is received.

## DEFEATING AN ALERT TONE

1. Press the **MENU** button, and "**COUNTY CODE**" is shown on the display.
2. Tap the ▲ or ▼ button repeatedly until "**DEFEAT SIREN**" is displayed.
3. Tap the **SELECT** button to enter selection mode.
4. Tap the ▲ or ▼ button to scroll through pre-defined event codes.
5. Tap the ▶ button to choose an event code that is relevant to your area, and that you want to manually "ENABLE" or "DISABLE".
   - "ENABLE" will turn that event alert ON.
   - "DISABLE" will turn that event alert OFF.
6. Repeat above steps 4-5 if there are more event codes you want to modify.
7. Tap the **SELECT** button to save the change.
8. Tap the **MENU** button to exit.

**Note:** The DEFEAT **ALERT TONE** feature relates to an event, which may occur in your specific area, but might not be relevant to where you live. **Example:** SMW= Special Marine Warning. If you live in an area near a large body of water, and you are far enough away that those conditions will not affect your area, you can choose to DISABLE that alert. When disabled, the SFA1180 will ignore Special Marine Warnings that are broadcast by NOAA. See the **"SELECTABLE ALERT REFERENCE CHART"** section in this manual for a list of the pre-defined events loaded in this radio. The list is in alphabetical order to determine which events can be disabled. **Events marked with an asterisk " * " on the "SELECTABLE ALERT REFERENCE CHART" cannot be disabled.**

## NOAA WEEKLY ALERT TESTS

The default setting for the weekly NOAA alert test signal is "OFF (DISABLED)". If you wish to receive the weekly test alert signal from NOAA, you need to manually "ON (ENABLE)" the "Required Weekly Test" (RWT) setting under the "DEFEAT SIREN" menu. See the **"DEFEATING AN ALERT TONE"** section in this manual for more information on how to ENABLE the setting. See the **"SELECTABLE ALERT REFERENCE CHART"** section in this manual for more information on other settings available.

## TESTING THE ALERT TONE SIREN

1. Press the **MENU** button, and "**COUNTY CODE**" is shown on the display.
2. Tap the ▲ or ▼ button until "TEST" is displayed.
3. Tap the **SELECT** button to sound the alert tone siren.
4. Tap the **SELECT** again to silence the alert tone siren.
5. Tap the **MENU** button to exit.

# selectable alert reference chart

| Event Code | Event Description | Level | Default Enable/Disable |
|---|---|---|---|
| ADR | Administrative Message | Advisory | Disable |
| AVA | Avalanche Watch | Watch | ENABLE |
| AVW | Avalanche Warning | Warning | ENABLE |
| BHW | Biological Hazard Warning | Warning | ENABLE* |
| BWW | Boil Water Warning | Warning | ENABLE |
| BZW | Blizzard Warning | Warning | ENABLE |
| CAE | Child Abduction Emergency | Advisory | ENABLE |
| CDW | Civil Danger Warning | Warning | ENABLE* |
| CEM | Civil Emergency Message | Warning | ENABLE* |
| CFA | Coastal Flood Watch | Watch | ENABLE |
| CFW | Coastal Flood Warning | Warning | ENABLE |
| CHW | Chemical Hazard Warning | Warning | ENABLE* |
| CWW | Contaminated Water Warning | Warning | ENABLE* |
| DBA | Dam Watch | Watch | ENABLE |
| DBW | Dam Break Warning | Warning | ENABLE* |
| DEW | Contagious Disease Warning | Warning | ENABLE* |
| DMO | Practice / Demo | Advisory | Disable |
| DSW | Dust Storm Warning | Warning | ENABLE |
| EAN | Emergency Action Notification | Warning | ENABLE* |
| EAT | Emergency Action Termination | Advisory | ENABLE* |
| EQW | Earthquake Warning | Warning | ENABLE* |
| EVI | Immediate Evacuation | Warning | ENABLE* |
| EVA | Evacuation Watch | Watch | ENABLE |
| FCW | Food Contamination Warning | Warning | ENABLE* |
| FFA | Flash Flood Watch | Watch | ENABLE |
| FFS | Flash Flood Statement | Advisory | ENABLE |
| FFW | Flash Flood Warning | Warning | ENABLE |
| FLA | Flood Watch | Watch | ENABLE |
| FLS | Flood Statement | Advisory | ENABLE |
| FLW | Flood Warning | Warning | ENABLE |
| FRW | Fire Warning | Warning | ENABLE |
| FSW | Flash Freeze Warning | Warning | ENABLE |
| FZW | Freeze Warning | Warning | ENABLE |
| HLS | Hurricane Statement | Advisory | ENABLE |

| HMW | Hazardous Materials Warning | Warning | ENABLE* |
|---|---|---|---|
| HUA | Hurricane Watch | Watch | ENABLE |
| HUW | Hurricane Warning | Warning | ENABLE* |
| HWA | High Wind Watch | Watch | ENABLE |
| HWW | High Wind Warning | Warning | ENABLE |
| IBW | Iceberg Warning | Warning | ENABLE |
| IFW | Industrial Fire Warning | Warning | ENABLE* |
| LAE | Local Area Emergency | Advisory | ENABLE* |
| LEW | Law Enforcement Warning | Warning | ENABLE* |
| LSW | Land Slide Warning | Warning | ENABLE* |
| NAT | National Audible Test | Advisory | Disable |
| NIC | National Information Center | Advisory | Disable |
| NMN | Network Notification Message | Advisory | Disable |
| NPT | National Periodic Test | Advisory | Disable |
| NST | National Silent Test | Advisory | Disable |
| NUW | Nuclear Power Plant Warning | Warning | ENABLE* |
| POS | Power Outage Advisory | Advisory | ENABLE |
| RHW | Radiological Hazard Warning | Warning | ENABLE* |
| RMT | Required Monthly Test | Advisory | Disable |
| RWT | Required Weekly Test | Advisory | Disable |
| SMW | Special Marine Warning | Warning | ENABLE |
| SPS | Special Weather Statement | Advisory | ENABLE |
| SPW | Shelter In-Place Warning | Warning | ENABLE* |
| SVA | Severe Thunderstorm Watch | Watch | ENABLE |
| SVR | Severe Thunderstorm Warning | Warning | ENABLE |
| SVS | Severe Weather Statement | Advisory | ENABLE |
| TOA | Tornado Watch | Watch | ENABLE |
| TOE | 911 Telephone Outage Emergency | Advisory | ENABLE |
| TOR | Tornado Warning | Warning | ENABLE* |
| TRA | Tropical Storm Watch | Watch | ENABLE |
| TRW | Tropical Storm Warning | Warning | ENABLE* |
| TSA | Tsunami Watch | Watch | ENABLE* |
| TSW | Tsunami Warning | Warning | ENABLE* |
| TXB | Transmitter Backup On | Advisory | Disable |
| TXF | Transmitter Carrier Off | Advisory | Disable |
| TXO | Transmitter Carrier On | Advisory | Disable |
| TXP | Transmitter Primary On | Advisory | Disable |
| VOW | Volcano Warning | Warning | ENABLE* |

| WFA | Wild Fire Watch | Watch | ENABLE |
|-----|----------------|-------|--------|
| WFW | Wild Fire Warning | Warning | ENABLE* |
| WSA | Winter Storm Watch | Watch | ENABLE |
| WSW | Winter Storm Warning | Warning | ENABLE |
| ??A | Unrecognized Watch | Watch | ENABLE |
| ??E | Unrecognized Emdrgency | Advisory | ENABLE |
| ??S | Unrecognized Statement | Advisory | ENABLE |
| ??W | Unrecognized Warning | Warning | ENABLE* |

The "Disable" and "Enable" listed on the chart represents the default of Events. THe events notated with an asterisk "*" have been automatically set (users are not required to set),thus they are not shown in the "DEFEAT SIREN" or "SIREN LEVEL" menus.

## REVIEWING AN ALERT MESSAGE

The SFA1180 S.A.M.E. Weather Alert Radio can store up to 10 different alerts (with overlapping effective times) in memory. If the radio receives a new alert while a previous alert is still active, it automatically overrides and displays the new alert in scrolling text. The indicator lights will also change to the new alert received.

To review past alerts that are still in effect, tap the **MSG/SNOOZE** button repeatedly to scroll through the last 10 active alerts stored in memory. The indicator lights will also change based on the alert that is showing in memory. Once an alert expires, "NO MESSAGE" will be displayed if there are no active alerts in memory.

## LOAD DEFAULT

If you forget some of your settings or want to clear all your previous settings, you may need to go through a "LOAD DEFAULT" procedure to reset the SFA1180 back to its factory settings.

1. Press and hold the ▲ + **MODE** buttons at same time for 3 seconds, display will show "**LOAD DEFAULT**" message.
2. Release the buttons and then tap the **SELECT** button, all setting will be reset to factory settings. Unit will return to standby mode with clock display.
   **Note**: Tapping any button other than **SELECT** button during "LOAD DEFAULT" set-up will exit to the standby mode.

## PROMPT RECEIVE NO S.A.M.E. ALERT MESSAGE FOR 10 DAYS

If unit has not received SAME alert message for continuous 10 days, LCD will flash "Check Reception" message and Warning LED will rapid flash for 3 times at beginning of every 1 minute in standby mode. Check your unit reception of weather band accordingly.

**Note**: If unit is turned on, only Warning LED will flash rapidly 3 times every minute to prompt you check the reception of weather band.

# NOAA ALERT LED INDICATORS

## LEDs LOCATED ON THE FRONT OF THE UNIT

NOAA Alert mode
- Red LED flashes when a "WARNING" weather alert signal is detected.
- Orange LED flashes when a "WATCH" weather alert signal is detected.
- Yellow LED flashes when a "ADVISORY" weather alert signal is detected.

## CHARGING YOUR SMART PHONE OR PORTABLE DEVICE

This unit features a USB port for charging your portable device (iPod, iPhone, Android phone, etc.) when used with the USB charging cord that came with your device.

1. You cannot charge the internal battery of the SFA1180 while using the USB CHARGE feature. Fully charge the built-in rechargeable battery prior to attaching a device to be charged.
Fully charge the built-in rechargeable battery prior to attaching a device to be charged.

2. Press and hold the ⏻ button for 3 seconds, the **"USB CHARGE"** message will appear in display.

3. Open the Rubber Dust Cover, plug one end of the USB cable (not included) into the USB port located on the back of the SFA1180. Plug the other end of the cord into the device you wish to charge.

4. Observe the battery charge indicator on your device and the charging will start immediately.

5. It is recommended that you fully charge the internal battery prior to attempting to charge a mobile device with the USB port. The USB port is only capable of delivering the amount of power that is left in the internal battery.

6. Unplug the cable when your device is charged or when the internal battery of the SFA1180 is drained.

**CAUTION:**
Before charging, please refer to the user manual of the device you wish to charge to make sure the charging current required does not exceed 1 Amp (1,000 mA) of charging current. Overloading the charge circuit may damage the SFA1180 and void the warranty.

**NOTE:**
1) Some smart phones and portable devices use proprietary USB connections and circuitry, so they may not charge when plugged into the USB port. Please refer to your device user manual before you attempt to charge them.

2) It is normal for the SFA1180 to be warm while the USB port is in use and charging your smart phone or portable device.

3) Press and hold the ⏻ button to switch the unit to USB charging mode, display will show USB CHARGE message and the control buttons will not function during charging except ⏻ button.
4) After you remove the external device you attached to SFA1180 for charging, if unit still keeps in USB charging mode, tap the    button to exit, "USB CHARGE" message will disappear from display.
5) In some cases, the internal battery may not fully charge your portable device. It's recommended that if you start to get intermittent charge indications, unplug the device and fully recharge the internal battery of the SFA1180 before attempting to charge your portable device again. See the "Charging the Internal Battery" section above for more information.
6) You cannot charge your smart phone if the unit is powered by "AA" batteries.

## USING THE FLASHLIGHT

A LED flashlight is built into the side of the unit. To use the flashlight,
1. Tap the Flashlight button on the left panel to turn it on.
2. Press and hold the Flashlight button to switch on SOS.
3. When the flashlight is on or in SOS mode, tap the button to turn it off.

**NOTE:** When the flashlight is used for extended periods of time and causes the battery to drain, the flashlight may no longer work even though the display still shows the time.

## USE EARBUDS (NOT INCLUDED)

Inserting the plug of your earbuds into the headphone jack will enable you to listen in private. When using earbuds, the speakers will be disconnected.

**Read this Important Information before Using Your Earbuds**
1) Avoid extended play at very high volume as it may impair your hearing.
2) If you experience ringing in your ears, reduce the volume or shut off the unit.
3) Keep the volume at a reasonable level even if your headset is an open-air type designed to allow you to hear outside sounds. Please note that excessively high volume may still  block outside sounds.

## CARE AND MAINTENANCE

1. Do not subject the unit to excessive force, shock, dust or extreme temperature.
2. Do not tamper the internal components of the unit.
3. Clean your unit with a damp (never wet) cloth. Solvent or detergent should never be used.
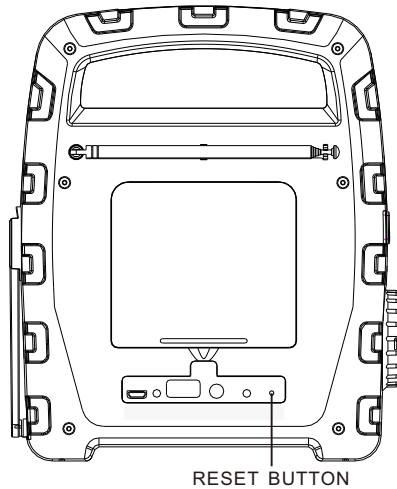
4. Avoid leaving your unit in direct sunlight or in hot, humid or dusty places.

5. Keep your unit away from heating appliances and sources of electrical noise such as fluorescent lamps or motors.

**CAUTION:** Never allow any water or other liquids to get inside the unit while cleaning.

## Resetting the Unit

If the unit experiences a power surge or electric shock, it is possible that the internal micro-controller may lock up and the unit will not respond to any commands from the panel controls. In this event, use a straightened paper clip, toothpick or similar objects to press the RESET button located on the back of the unit (see the below figure). The reset operation clears the system memory and all of your previous settings except some settings of weather band will be erased.

**CAUTION:** DO NOT USE A SHARP OR POINTED OBJECT TO PRESS THE RESET  BUTTON. IT MAY DAMAGE THE RESET SWITCH INSIDE THE UNIT.

RESET BUTTON

# TROUBLESHOOTING GUIDE

If you experience difficulties in the use of this music system please check the following or call 1-800-777-5331 for Customer Service.

| Symptom | Possible Cause | Solution |
|---------|----------------|----------|
| The unit does not respond (no power) Power is not on. | The built-in rechargeable battery is low and the "AA" batteries are exhausted. | Recharge the built-in rechargeable battery and replace all 3 "AA" batteries with fresh ones. |
| | Unit is charging your portable device | Wait for charging finish or unplug your potable device from the unit, tap the ⏻ button to exit USB Charging mode if display showing USB CHARGE message. Tap the POWER button again to turn on the unit. |
| No/low sound when power on the radio. | VOLUME control is set to minimum | Adjust the VOLUME control. |
| | Station has not been tuned properly. | Tune the station properly. |
| | FM reception is weak. | Extend and rotate the telescopic antenna. |
| | AM reception is weak. | Relocate the position of the unit. |
| | Unit in Weather Alert Mode | Select AM, FM or WB mode as desired. |
| No Response to Alerts. | S.A.M.E. codes have been programmed incorrectly. | Make sure correct S.A.M.E codes have been programmed. |
| | Make sure the radio is set to the correct weather channel for your area. | Tune to the correct weather channel for your area. |
| USB no charging. | The built-in rechargeable battery is low. | Fully recharge the built-in rechargeable battery before charging your Potable device. |
| Unit gets warm after extended play at high volume. | This is normal. | Turn the unit off for a period of time or lower volume. |

**Power requirement:**

DC Input:         3 X DC 1.5V AA (UM-3) Batteries or
                  1 X DC 3.7V, 1200 mAH/2200 mAH CR 18650
                  Li-ion rechargeable battery or
                  USB Power DC 5V, 1500mA (Max.)

**Frequency Range**

Radio Band        FM 87.5 – 108 MHz
                  AM 520 – 1710 KHz
                  WX CH1 – 7

First Alert® is a registered trademark of the First Alert Trust used under license from BRK Brands, Inc.

At Spectra, environmental and social responsibility is a core value of our business. We are dedicated to continuous implementation of responsible initiatives with an aim to conserve and maintain the environment through responsible recycling.

Please visit us at http://www.spectraintl.com/green.htm for more information on Spectra's green initiatives or to find a recycler in your area.

## 1 YEAR LIMITED WARRANTY AND SERVICE VALID IN THE U.S.A ONLY

This product is manufactured, distributed or sold by SPECTRA MERCHANDISING INTERNATIONAL, INC., official licensee for this product. All right, title and interest to use the "First Alert" logo trademarks and the "First Alert" trade dress are exclusively licensed by BRK Brands, Inc. and are used under license from BRK Brands, Inc.. Please contact SPECTRA's Service Department for questions/comments, warranty, support, or service related to this product.

SPECTRA MERCHANDISING INTERNATIONAL, INC. warrants that this product 1) is free from defects in materials and workmanship and 2) conforms to its specifications for a period of 1 year from the date of original customer purchase and provided the product is utilized within the U.S.A. This warranty is not assignable or transferable.  Our obligation under this warranty is the repair or replacement of the defective unit or any part thereof, except batteries, when it is returned to the SPECTRA Service Department, accompanied by proof of the date of original consumer purchase, such as a duplicated copy of a sales receipt.

You must pay all shipping charges required to ship the product to SPECTRA for warranty service. If the product is repaired or replaced under warranty, the return charges will be at SPECTRA's expense. There are no other express warranties other than those stated herein.

This warranty is valid only in accordance with the conditions set forth below:

1. The warranty applies to the SPECTRA product only while:

   a. It remains in the possession of the original purchaser and proof of purchase is demonstrated.

   b. It has not been subjected to accident, misuse, abuse, improper service, usage outside the descriptions and warnings covered within the owner's manual or non-SPECTRA approved modifications.

   c. Claims are made within the warranty period.

2. This warranty does not cover damage or equipment failure caused by electrical wiring not in compliance with electrical codes or SPECTRA owner's manual specifications, or failure to provide reasonable care and necessary maintenance as outlined in the owner's manual.

3. Warranty of all SPECTRA products applies to residential use only and is void when products are used in a nonresidential environment or installed outside the United States.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state. TO OBTAIN SERVICE please remove all batteries (if any) and pack the unit carefully and send it prepaid by insured parcel post or UPS to SPECTRA at the address shown below. IF THE UNIT IS RETURNED WITHIN THE WARRANTY PERIOD shown above, please include a proof of purchase (dated cash register receipt) so that we may establish your eligibility for warranty service and repair of the unit without cost. Also include a note with a description explaining how the unit is defective. A customer service representative may need to contact you regarding the status of your repair, so include your name, address, phone number and e-mail address to speed the process.

IF THE UNIT IS OUTSIDE THE WARRANTY PERIOD, please include a check for $ 60.00 to cover the cost of repair, handling and return postage. All out of warranty returns must be sent prepaid.

It is recommended that you contact SPECTRA first at 1-800-777-5331 or by e-mail at custserv@spectraintl.com for updated information on the unit requiring service. In some cases the model you have may be discontinued and SPECTRA reserves the right to offer alternative options for repair or replacement.

SPECTRA MERCHANDISING INTERNATIONAL, INC.
4230 North Normandy Avenue,
Chicago, IL60634, USA.
1-800-777-5331

To register your product, visit the link below on the website to enter your information.
http://www.spectraintl.com/wform.htm

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