



**S.A.M.E.**  
Specific Area Message Encoding



**ACURITE**  
DESIGNED TO WORK FOR YOU™

**LIMITED ONE YEAR WARRANTY**

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**For in-warranty repair, please contact:**

Customer Care Department  
Chaney Instrument Company  
965 Wells Street  
Lake Geneva, WI 53147

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 the 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.

NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user authority to operate the equipment.

**08575 / 08580 INST 081611**



**S.A.M.E.**  
Specific Area Message Encoding



**Weather Station Alarm Clock**  
with weather alert radio  
model #08575/08580

**Instruction Manual**

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## **Introduction**

The AcuRite® weather station/alarm clock features a patented weather forecast for your specific area, as well as barometric pressure and time & date displays. The weather station also displays the outdoor temperature and humidity, which it receives from the included battery powered wireless outdoor sensor.

The AcuRite® weather alert radio will receive encoded civil and weather emergency alert messages from the National Oceanic and Atmospheric Administration (NOAA) Weather Radio broadcast towers. These broadcast stations are located all over North America. This weather alert radio uses Specific Area Message Encoding (S.A.M.E) to identify specific areas, like a county or localized area of a state. This technology limits the occurrence of “false alarms”, that is, alert messages that do not apply to your area.

When an official alert is received, the radio will automatically switch on and you will hear the tone and audio voice broadcast. The alert type and message will scroll across the display. One of the color-coded LED's will also illuminate- signifying which type of message has been received; “Advisory” is yellow, “Watch” is orange and “Warning” is red.

The Weather Alert Radio includes an AC power dock integrated into a weather station & alarm clock. The dock is the primary power source for the radio. In an emergency, you may need to take the radio with you to a safe area, the radio features a battery compartment for holding standard alkaline batteries (not included). This feature also provides backup power for the radio in the event of a power failure. Additionally it offers the convenience of taking the radio with you for outdoor activities.

Please read through this manual to learn more about this AcuRite® product. Keep this manual for future reference.

**Parts List** model 08575/08580

1. Weather station/alarm clock
2. Wireless outdoor sensor
3. Weather alert radio with removable belt clip
3. AC power adapter



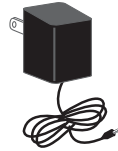
1



2



3



4

**Battery Choice & Temperature Range**

Extended periods of cold temperatures ( below -4°F / -20°C ) can cause alkaline batteries to function improperly. This will cause the outdoor wireless sensor to stop transmitting temperature readings. Use lithium batteries in these low temperature conditions to ensure continued operation for wireless sensors placed outdoors.

**LITHIUM BATTERIES** -40°F (-40°C) (70°C) 158°F

**ALKALINE BATTERIES** -4°F (-20°C) (70°C) 158°F

**A/B/C Wireless Selection**

To allow for more than one weather station and wireless sensor network to be used in close proximity, the display unit and the wireless sensor have a small switch labeled "A B C" within the battery compartments. This switch selects one of 3 wireless modes to use, and both switches **MUST** be set in matching positions (either A, B, or C) for wireless communication to take place successfully.

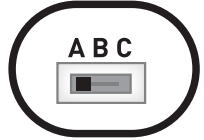
**Installing Batteries - Wireless Sensor**

Remove the battery compartment cover. Install 2 fresh "AA" batteries as shown here.



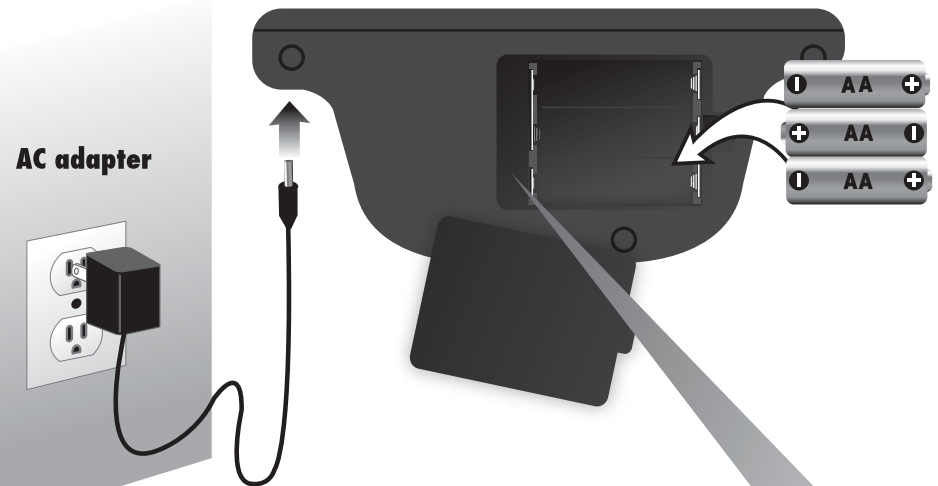
**BATTERIES MUST BE INSTALLED FOR THE SENSOR TO OPERATE**

**! SET "ABC" SWITCH TO MATCH DISPLAY "ABC" SWITCH SELECTION**

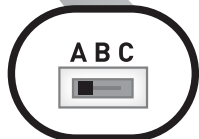


**Installing Batteries - Weather Station**

Remove the battery compartment cover. Install 3 fresh "AA" batteries to be used as backup batteries in case of a power outage. Plug in AC power Adaptor.

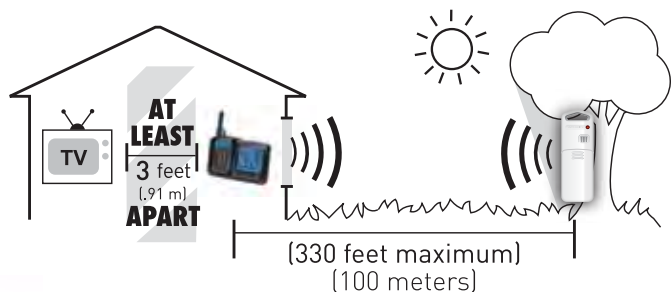


**! SET "ABC" SWITCH TO MATCH SENSOR "ABC" SWITCH SELECTION**



Now that setup is complete, you must choose a location to place the wireless sensor and the weather station. The wireless sensor **MUST** be placed less than 330 feet (100 meters) away from the weather station.

This product uses radio frequency for communication, which is susceptible to interference from other electronic devices and large metallic items or thick walls. Always place both units at least 3 feet (.91 m) away from appliances (TV, microwave, radios, etc.) or objects that may interfere with the wireless communication (large metal surfaces, thick stone walls, etc.).



## Placement of Weather Station

Place the weather station in a dry area free of dirt and dust on a table top or other flat surface. Keep the display unit/weather radio away from moisture. Choose a location at least 3 feet away from other electronics for best wireless operation and reception of the NOAA weather radio signal.

## Placement of Sensor

The wireless sensor **MUST BE PLACED OUTDOORS** to observe outdoor temperatures. The wireless sensor must be placed less than 330 feet (100 meters) from the weather station. The wireless sensor is water resistant and is designed for general outdoor use. However, to extend the life of the product, place the wireless sensor in an area protected from direct weather elements. To ensure an accurate outdoor temperature measurement, be sure the wireless sensor is placed out of direct sunlight and away from any heat sources.

There are 2 placement options for the wireless sensor. You may hang it using one of the two integrated hang holes, or use string (not included) to hang it from a suitable location like a well covered tree branch.

## About the Self Setting Intelli-Time® Clock

This product is equipped with Intelli-Time® technology which is pre-programmed with the correct time and date. Intelli-Time® technology instructs the clock and calendar to set itself once batteries are installed. All you need to do is select your Time Zone and Daylight Saving Time preferences. The clock will automatically set itself and change automatically for Daylight Saving Time.



## Weather Station : Basic Setup

Press AND HOLD the "SET" button for 5 seconds to enter into basic set mode. The time zone (default is EST) will begin blinking.

To adjust the currently selected (flashing) preference item, press and release the "▼" or "▲" buttons. To save your adjustments, press and release the "SET" button again to move on to adjusting the next preference. The preference set order is as follows:

TIME ZONE ( PST MST CST EST AST HAST AKST)  
 AUTO DST (Daylight Saving Time ON or OFF)  
 CLOCK HOUR  
 CLOCK MINUTE  
 CALENDAR MONTH  
 CALENDAR DATE  
 CALENDAR YEAR  
 UNITS (°F or °C)

You will automatically exit SET MODE and into normal operation mode if no entries are changed for 30 seconds. You may enter basic setup mode again at any time by pressing AND HOLDING the "SET" button.

### DAY/MONTH OPTIONAL DISPLAY

The calendar alphanumeric display area can display either the DAY (FRI) or the MONTH (AUG). Press and release the "SET" button when in normal operation mode to switch between DAY or MONTH display.

## Alarm Clock

This weather station features an integrated alarm clock with 2-stage alarm sound. When the alarm first sounds, it will ring with a more gentle crescendo polyphonic sound. If the initial alarm does not wake you after 10 minutes (if the alarm is not turned off or snooze is not depressed), the alarm will automatically switch to the LOUDER alarm tone until turned off.

### GENTLE ALARM TONE



#### STAGE 1

FIRST 10 MINUTES


### LOUDER ALARM TONE





#### STAGE 2

AFTER 10 MINUTES


### TO SET ALARM CLOCK TIME

To set the alarm, press AND HOLD the “” button for 5 seconds to enter into alarm clock program mode. The display will flash the currently set alarm clock time HOUR and the “SET” indicator will be illuminated.

Press the “” or “” buttons to adjust the hour up or down (note the AM/PM indicator). Press the “SET” button to confirm the HOUR setting and move on to adjusting the MINUTES in the same manner. Press the “SET” button again to confirm your MINUTES setting and exit alarm clock time set mode.



### TO TURN ALARM ON/OFF

To turn the alarm ON, press AND RELEASE the “” button. The display will briefly flash the currently programmed alarm clock time for reference, then will return to normal display mode with the current time display. NOTE that the ALARM CLOCK area of the display will now read “ON”, indicating that the alarm clock will sound at the programmed alarm clock time.

To turn alarm OFF, press AND RELEASE the “” button. NOTE that the ALARM CLOCK area of the display will now read “OFF.”

## Weather Forecast

### FORECAST: 14 day learning mode

This weather forecast has a patented “fourteen day learning mode” calibration process. During this learning mode the weather forecaster will make altitude calculations that may affect the accuracy of the forecast. Once the 14 day learning mode process is complete, the weather forecast should be ready for superior operation.

### learning mode progress indicator



### FORECAST: future forecast icon

The weather station features a weather forecast icon which gives you the predicted weather forecast for the next 12 to 24 hours based on an advanced algorithm that observes the changes in barometric pressure and temperature. The FORECAST icon will then predict the future (next 12 to 24 hours) weather forecast. This weather station will provide the most accurate forecast that a single station weather instrument can provide.

## Backlight

TO TURN BACKLIGHT ON/OFF: Press the “SNOOZE/LIGHT” button.

ADJUST BACKLIGHT BRIGHTNESS: Press the “” or “” buttons to make the weather station backlight dimmer or brighter.

*NOTICE: Backlight is momentary ONLY when operating solely on battery power to conserve batteries. Dimmer can NOT be adjusted when in SET mode, only under normal operation.*

## Installing Batteries



REMOVE BELT CLIP

REMOVE  
BATTERY  
COVER



INSTALL THREE (3)  
"AA" STANDARD  
ALKALINE  
BATTERIES

RESET  
BUTTON

After installing batteries, the weather report audio will automatically turn on. If you wish to silence the weather report audio, press the "LISTEN" button.

**NOTE: The power dock is the main power source for this weather radio.** The batteries provide backup power in the event of a power outage and allow you to move quickly and take your radio with you to a safe location during an emergency.

The internal radio is always "listening" for alerts, even when the audio speaker is silenced. This requires substantial power, as a result, the weather radio will last approximately 3 days on battery power alone.

## Power Dock

After powering on the radio and choosing placement, you will need to place the radio in the weather station dock to supply main power to the Weather Radio. When docking the weather radio, note the "⚡" icon will display- indicating the radio is docked correctly and is being powered through the weather station dock, leaving your radio batteries fresh for an on-the-go emergency.



"DOCKED"  
indicator

**BATTERY SAFETY:** Clean the battery contacts and also those of the device prior to battery installation. Remove batteries from equipment which is not to be used for an extended period of time. Follow the polarity (+/-) diagram in the battery compartment. Promptly remove dead batteries from the device. Dispose of used batteries properly. Only batteries of the same or equivalent type as recommended are to be used. DO NOT incinerate used batteries. DO NOT dispose of batteries in fire, as batteries may explode or leak. DO NOT mix old and new batteries or types of batteries (alkaline/standard). DO NOT use rechargeable batteries. DO NOT recharge non-rechargeable batteries. DO NOT short-circuit the supply terminals.

## IMPORTANT!

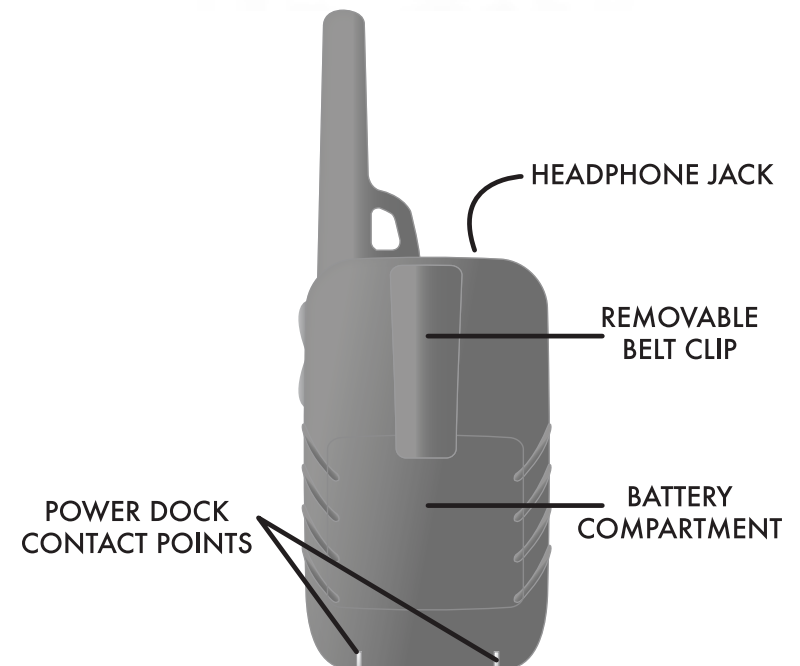
This weather radio, dock, and AC adapter are NOT waterproof. To reduce the risk of fire, electric shock, or damage to the unit, do not expose this product to rain, moisture, or immerse in water.

This product has the capability to operate with three (3) 1.5v "AA" alkaline batteries. Use of rechargeable batteries are not recommended. This radio and it's power dock do NOT contain charging circuits and will NOT charge or supply power to the batteries.

To reduce the risk of electric shock, DO NOT disassemble or modify this product. Take this product to manufacturer authorized service personnel when service or repair work is required. Opening the case of the radio or the power dock/adapter voids the warranty. This product contains NO user serviceable parts.

TEST YOUR SIGNAL RECEPTION BEFORE RELYING ON THIS DEVICE IN EMERGENCIES. RECEPTION of the TEST is the best way to ensure your radio will have proper reception during an emergency. The national weather service (NWS) conducts a required weekly test (RWT) of NOAA all hazards weather alert radios every Wednesday between 11 AM and 12 noon (central time), when weather permits.

The test consists of the RWT SAME code, a short tone and message explaining the test. If adverse weather prevents the test from being broadcasted on Wed., it is postponed until the next day with good weather. If the test is not conducted by Friday, it is postponed until the following Wednesday.



**PRODUCT REGISTRATION**

To receive product updates and information, Go to [www.AcuRite.com](http://www.AcuRite.com)

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- Archived Products
- ▶ Register a Product

## Display Features

### CURRENT CHANNEL

Displays the currently selected channel. There are 7 total weather channel frequencies. The channel with the strongest reception is selected automatically in QUICK SETUP.

### MENU MODE INDICATOR

This icon indicates when you are in menu mode.

### HISTORY MODE INDICATOR

This icon indicates when you are reviewing previous advisories, watches, or warnings.

### LISTEN MODE INDICATORS

One of three Listen Modes are selected by pressing the "LISTEN" button.

**SILENCED:** unit will not automatically sound audio alert to notify you to advisories or watches. **WARNINGS** will still sound audio alert to notify you, warnings cannot be silenced.

**AUTO ON:** unit will automatically sound audio to notify you of all advisories, watches, and warnings that it is programmed to receive.

**ON:** unit will display ON when you manually turn on the weather report.

### ALERT INDICATOR LIGHTS

### DISPLAY BACKLIGHT

The LCD features a blue backlight for easy night viewing

### RADIO READY INDICATOR

Will display when the radio determines the reception of the currently selected channel is optimal.

### MESSAGE DISPLAY AREA

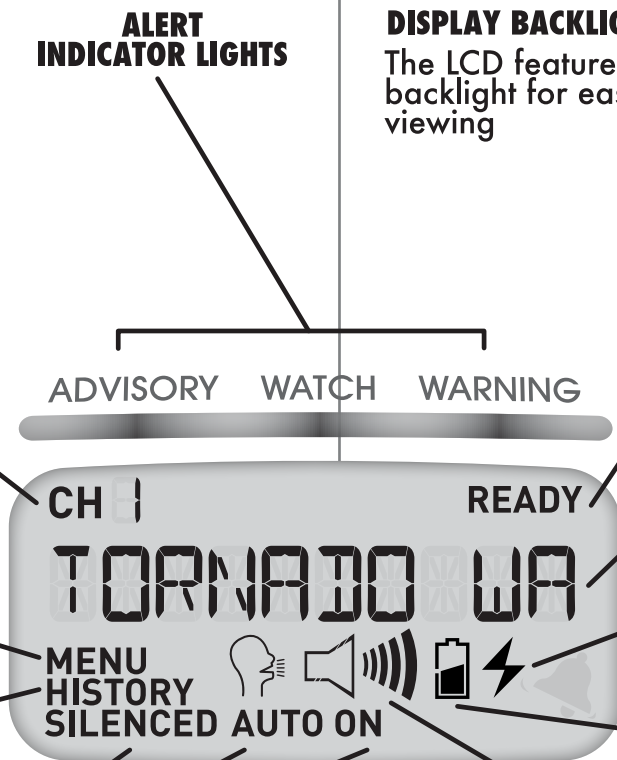
This area is used to display the type of alert and the specific alert issued, as well as the menu text area.

### DOCKED INDICATOR

This icon indicates when the unit is securely placed in the power dock and the power contacts are connected.

### LOW BATTERY INDICATOR

This icon indicates when the batteries inside the unit are running low.



### VOLUME INDICATOR

The Volume Level is selected by pressing the "VOLUME" buttons located on the side of the unit.

**SILENCED:** the volume indicator is disabled when the radio is silenced. Unit will not automatically sound audio alert to notify you to advisories or watches. **WARNINGS** will still sound an audio alert to notify you, warnings cannot be silenced and will sound at a mandated high volume to ensure user hears the warning.





## Setup

After powering on the radio and plugging in the power dock, your radio is ready to receive emergency alerts from the national weather service. Your specific radio location code (FIPS code) should be entered, which will limit any "false alarms" (alerts that do not apply to your location) from being activated. Additionally, you will need to set your preferences- such as the date and time.

The easiest way to ensure that all of your preferences are set is to go through the "Quick Setup" process. This only takes a few minutes to complete.

Alternatively, you may be more experienced with weather alert radios. You may wish to manually enter multiple FIPS location codes and manually select your channel, the "Manual Setup" mode will allow you to do this.

**NOTE: All codes you entered will remain in the radio, even if the radio power is interrupted due to dead batteries and no power. To clear all the entered codes and reset the radio to factory settings, refer to the troubleshooting section in this manual.**



Please DO NOT return product to the retail store.  
For technical assistance and product return information, please call  
Customer Care: **877-221-1252** Mon. - Fri. 7:00 A.M. to 7:00 P.M. (CST)

## Quick Setup

After powering on the radio and the power dock, you will need to set your preferences. Most basic preferences can be set by going through the Quick Setup process.

To access the Quick Setup menu, press the "MENU" button on the radio. The display will show "←SELECT→". To select the Quick Setup menu, navigate right by pressing the "▶" navigation button. Press "OK" to enter into Quick Setup. Note that you may exit the menu by pressing the "MENU" button.

### 1. FIPS Code Entry

To find your SAME# (FIPS code), call the national weather service toll free at **1-888-NWS-SAME** (1-888-697-7263) or visiting the website below.

[www.weather.gov/nwr/indexnw.htm#sametable](http://www.weather.gov/nwr/indexnw.htm#sametable)

MY FIPS CODE \_\_\_\_\_

The NOAA weather radio transmission is coded with Specific Area Message Encoding (S.A.M.E.). **SAME** allows you to customize the alerts to warn you about conditions only relevant to your specific area, which will reduce unwanted alerts. **SAME** is activated automatically after you enter in your **FIPS** code.

A Federal Information Processing System, or **FIPS** code is a six digit code that identifies your state and county/parish in the United States. The default selection for the FIPS code is "000000" which allows the radio to respond to all advisories, watches, and warnings. To customize the alerts you receive to your specific area, you will need to enter your location's FIPS code.

To enter your code, press the "▲" or "▼" navigation buttons to adjust the currently selected (flashing) digit. Press the "▶" or "◀" navigation buttons to move to select the digit you would like to adjust. Press the "OK" button once you are finished entering your 6 digit location code (SAME#/FIPS code)

## 2. Channel Setup

After you enter your FIPS code, the display will read "FIPS CODE SET" and will automatically move on to "CHANNEL SETUP - PRESS OK TO SCAN". After you press OK, the radio will automatically scan for the strongest channel available. The display will read "SEARCHING".

After scanning, the display will read "THE STRONGEST SIGNAL IS CHANNEL \_". This is the channel that the radio has determined offers the best signal strength.

## 3. Time zone

After your radio has acquired the strongest channel, the quick setup process will automatically move on to "ENTER TIME ZONE". To enter your time zone, press the "▼" or "▲" navigation buttons to find your time zone. Press the "OK" button to confirm your selection.

## 4. Daylight Saving Time (DST) Observance

After you set your time zone, the quick setup process will automatically move on to Daylight Saving Time setting. The display will read "DST ON", press the "▼" or "▲" navigation buttons to select either "ON" or "OFF" to select whether daylight saving time is observed in your area. Press the "OK" button to confirm your selection.

## 5. Enter Current Time

After you set your time zone, the quick setup process will automatically move on to Current Time setting. The display will read "12:00AM" by default. The hour needs to be set first, press "▼" or "▲" buttons to adjust the hour, then press the "▶" button to move over to setting the minutes. Again, press the "▼" or "▲" buttons to adjust the minutes, then press the "▶" navigation button to move over to setting AM or PM. Press the "▼" or "▲" buttons to select "AM" or "PM". Press the "OK" button to confirm your selection.

## 6. Current Date

After you enter your current time the quick setup will automatically move on to setting the date. The display will read "MONTH 01". Adjust the month by pressing the "▼" or "▲" navigation buttons, press "OK" to confirm your selection.

Next, you will need to set the date by pressing the "▼" or "▲" navigation buttons to adjust, press "OK" to confirm your selection.

Finally, you will need to enter the YEAR by pressing the "▼" or "▲" buttons to adjust, press "OK" to confirm your selection.

## The Quick Setup Process Is Now Complete

The quick setup process is now complete, the display will read "SETUP COMPLETE" and revert back to the default clock display on the home screen.

## Placement

It is critical to choose a placement location where the radio can receive the emergency alert signal broadcast, such as near a window on an outside wall. To quickly check your radio reception throughout your home, simply turn on the radio by pressing the "LISTEN" button repeatedly until you hear the speaker turn on.

You may also want to place the radio in a location you are most likely to hear the alert tone or see the alert indicator lights.

Keep the radio away from other electronic interference sources such as computer monitors and TV's, other radios, motors, microwaves, etc. This radio is designed for tabletop placement, place the unit on a level dry surface away from moisture.

## Using Your Weather Radio

### Reception

The display will read "READY" if the reception is optimal, press the "LISTEN" button to manually check and listen to how good your reception is. If you do not have good reception, you may need to relocate the radio to an outside wall near a window.

RECEPTION of the WEEKLY TEST is the best way to ensure your radio will have proper reception during an emergency. The national weather service (NWS) conducts a required weekly test (RWT) of NOAA all hazards weather alert radios every Wednesday between 11 AM and 12 noon (central time), when weather permits.

The test consists of the RWT SAME code, a short tone and message explaining the test. If adverse weather prevents the test from being broadcasted on Wed., it is postponed until the next day with good weather. If the test is not conducted by Friday, it is postponed until the following Wednesday.

### Listen Modes

The weather radio has three modes for handling alerts and listening to the weather report. Pressing the "LISTEN" button toggles between modes.

**SILENCED:** when the display reads "SILENCED", the only AUDIO alerts you will receive will be WARNINGS. Advisories and watch alerts will still message on the display, and the LED will illuminate, but the audio report will not play.

**AUTO ON:** when the display reads "AUTO ON", the audio report will play for all advisories, watches and warnings that it is programmed to respond to. Additionally, the alert message will scroll on the display, and the LED will illuminate.

**LISTEN:** when the display reads "LISTEN", the audio weather report is ON.

## Receiving Alerts

When an alert is issued by the NWS, the radio will automatically turn on, and the warning report will sound. Additionally, a text readout of the type of alert (advisory, watch or warning) will scroll across the display and the appropriate alert light will illuminate.

### Silencing Alerts

When an alert is sounding, press the "LISTEN" button to silence the speaker. The display will read "SILENCED". Please note that if you leave the radio in silenced mode, the audio report and siren for advisories and for watches will NOT sound. Only WARNINGS will sound as they cannot be silenced in any way, as mandated by NOAA.

### Viewing Alert Message History

The weather alert radio will hold up to 4 messages in it's memory at a time, in sequence of when they were received.

To view the messages in history, press the "▲" or "▼" navigation buttons when the radio is showing the default clock display to cycle through history of the last 4 messages received. The HISTORY mode indicator will display to confirm you are looking at an older alert message.

If there have been no messages received, the display will read "NO MESSAGES"

**NOTE:** if there are no messages in the history, and the radio has been under continuous power, you may have a reception issue. Please refer to the troubleshooting section.

## Volume Control

The volume control buttons are located on the side of the radio. The volume level is shown on the display, provided the radio is not "SILENCED".

## Backlight

The radio includes a blue backlight to illuminate the display for easy low-light viewing. The backlight will activate automatically for 10 seconds with every button press.

The backlight is on constantly when the radio is placed into the power dock by default. **If you wish to have the backlight off when the radio is placed in the power dock, press and hold the "OK" button while the radio is placed in the power dock.** Repeat this step to turn the backlight back on.

Note that the display backlight will automatically come on when an alert is received.

## Changing the Scrolling Text Rate

The message area scrolling speed can be adjusted to scroll at a slower or faster rate. When the radio is showing the default clock display, press the "▶" navigation button. "SCROLLING RATE \_" will appear on the display. Press the "▲" or "▼" to choose 1, 2, or 3 scrolling rate (3 being the fastest). Press the "OK" button to confirm your selection.

## Headphone Jack

The Weather Alert Radio features a small 3.5mm (standard) headphone jack on the top edge of the radio housing. You may choose to plug in any standard pair of headphones or external powered speakers to hear the weather report.

## Manual Setup

Most basic preferences can be set by going through the Quick Setup process. The manual setup offers more advanced options.

To access the Manual Setup menu, press the "MENU" button on the radio. The display will show "◀SELECT▶". To select the Manual Setup menu, navigate left by pressing the "◀" navigation button. Press "OK" to enter into Manual Setup. Note that you may exit the menu by pressing the "MENU".

Once in manual setup menu, scroll through setting options by pressing the "▶" or "◀" buttons. Press "OK" to confirm your selection. The Manual Setup options are: EDIT FIPS CODE, EDIT CHANNEL, EDIT TIME/DATE, EDIT ALERTS.

### 1. Edit FIPS Code

If you wish to edit your previously entered SAME# or FIPS code, this is where you may do so. Press the "OK" button to edit your FIPS code.

To edit your code, press the "▲" or "▼" navigation buttons to adjust the currently selected (flashing) digit. Press the "▶" navigation button to move to the right to adjust the next digit.

Press the "OK" button once you are finished editing your 6 digit location code (SAME#/FIPS code)

The display will then read "ADD ANOTHER FIPS CODE". Because NOAA transmission areas overlap, you may want to set more than one S.A.M.E location. This is especially true if you live near the border of a county-you may want to receive alerts from both. If you wish to add another FIPS code, use the "▲" or "▼" navigation buttons to choose "YES". Press "OK" to confirm your selection. Enter in up to 10 total FIPS codes into memory in the same manner you entered your first FIPS code, using the navigation buttons.

NOTE: Entering FIPS codes only allows the radio to receive the alerts that are being transmitted from your local station. Entering a code from a distant state WILL NOT allow you to receive alert messages from that state.

## 2. Edit Channel

Enter into "EDIT CHANNEL" If you wish to manually select a channel. The display will read "SELECT CHANNEL \_", press the "▲" or "▼" navigation buttons to select one of the seven NOAA broadcast channels.

If you wish to select your recommended channel, visit the NOAA website and review the table to find the correct weather band channel for your area. Find your state, and then search the list for your county.


[www.nws.noaa.gov/nwr/index.htm](http://www.nws.noaa.gov/nwr/index.htm)

## 3. Edit Time/Date

To edit the time zone, DST preference, Time, and Date, enter into "EDIT TIME/DATE." Use the navigation buttons to adjust each selection and the "OK" button to confirm your selections. (refer to page 10 for more details on time and date settings).

## 4. Edit Alerts

Your Acurite Weather Alert Radio gives you the ability to fine tune which alerts you want to be notified of. Enter into "EDIT ALERTS" menu to remove or add specific advisories or watches you want to be notified of.

When in the Edit alert menu, an alert message will scroll across the display. Press the "▲" button to toggle the alert on ( bell icon  shown for ON status ) or off ( no bell icon shown for OFF status)

Warnings cannot be turned off, but are shown so you can get a complete picture of which alerts you will receive.

Please look over the "Alert Description Chart" in the back section of this manual for more information on the available alerts.

## Weather Radio Alert Descriptions

The following table lists the alert codes and the associated alert message broadcasted by NOAA, as well as the alert type. Alert on default is also listed as ALERT ON (YES) or ALERT OFF (NO) from the factory.

NOAA Code	ALERT ON DEFAULT	ALERT TYPE	ALERT MESSAGE
ADR	NO	Advisory	Administrative Message
AVA	NO	Watch	Avalanche Watch
AVW	YES	Warning	Avalanche Warning
BHW	YES	Warning	Biological Hazard Warning
BWW	YES	Warning	Boil Water Warning
BZW	YES	Warning	Blizzard Warning
CAE	NO	Advisory	Child Abduction Emergency
CDW	YES	Warning	Civil Danger Warning
CEM	YES	Warning	Civil Emergency Message
CFA	NO	Watch	Coastal Flood Watch
CFW	YES	Warning	Coastal Flood Warning
CHW	YES	Warning	Chemical Hazard warning
CWW	YES	Warning	Contaminated Water Warning

<b>NOAA Code</b>	<b>ALERT ON DEFAULT</b>	<b>ALERT TYPE</b>	<b>ALERT MESSAGE</b>
DBA	NO	Watch	Dam Watch
DBW	YES	Warning	Dam Break Warning
DEW	YES	Warning	Contagious Disease Warning
DMO	NO	Advisory	Practice Demo
DSW	YES	Warning	Dust Storm Warning
EAN	YES	Warning	Emergency Action Notification
EAT	YES	Advisory	Emergency Action Termination
EQW	YES	Warning	Earth Quake Warning
EVA	NO	Watch	Evacuation Watch
EVI	YES	Warning	Immediate Evacuation
FCW	YES	Warning	Food Contamination Warning
FFA	NO	Watch	Flash Flood Watch
FFS	NO	Advisory	Flash Flood Statement
FFW	YES	Warning	Flash Flood Warning
FLA	NO	Watch	Flood Watch
FLS	NO	Advisory	Flood Statement

<b>NOAA Code</b>	<b>ALERT ON DEFAULT</b>	<b>ALERT TYPE</b>	<b>ALERT MESSAGE</b>
FLW	YES	Warning	Flood Warning
FRW	YES	Warning	Fire Warning
FSW	YES	Warning	Flash Freeze Warning
FZW	YES	Warning	Freeze Warning
HLS	NO	Advisory	Hurricane Statement
HMW	YES	Warning	Hazardous Material Warning
HUA	NO	Watch	Hurricane Watch
HUW	YES	Warning	Hurricane Warning
HWA	NO	Watch	High Wind Watch
HWW	YES	Warning	High Wind Warning
IBW	YES	Warning	Iceberg Warning
IFW	YES	Warning	Industrial Fire Warning
LAE	YES	Advisory	Local Area Emergency
LEW	YES	Warning	Law Enforcement Warning
LSW	YES	Warning	Land Slide Warning
NAT	NO	Advisory	National Audible Test

<b>NOAA Code</b>	<b>ALERT ON DEFAULT</b>	<b>ALERT TYPE</b>	<b>ALERT MESSAGE</b>
NIC	NO	Advisory	National Information Center
NMN	NO	Advisory	Network Notification
NPT	NO	Advisory	National Periodic Test
NST	NO	Advisory	National Silent Test
NUW	YES	Warning	Nuclear Power Plant Warning
POS	NO	Advisory	Power Outage Advisory
RHW	YES	Warning	Radiological Hazard Warning
RMT	NO	Advisory	Required Monthly Test
RWT	YES	Advisory	Required Weekly Test
SMW	YES	Warning	Special Marine Warning
SPS	NO	Advisory	Special Weather Statement
SPW	YES	Warning	Shelter In Place Warning
SVA	NO	Watch	Severe Thunderstorm Watch
SVR	YES	Warning	Severe Thunderstorm Warning
SVS	NO	Advisory	Severe Weather Statement
TOA	NO	Advisory	Tornado Watch

<b>NOAA Code</b>	<b>ALERT ON DEFAULT</b>	<b>ALERT TYPE</b>	<b>ALERT MESSAGE</b>
TOE	NO	Advisory	911 Telephone Outage Emergency
TOR	YES	Warning	Tornado Warning
TRA	NO	Watch	Tropical Storm Watch
TRW	YES	Warning	Tropical Storm Warning
TSA	YES	Watch	Tsunami Watch
TSW	YES	Warning	Tsunami Warning
TXB	NO	Advisory	Transmitter Backup On
TXF	NO	Advisory	Transmitter Carrier Off
TXO	NO	Advisory	Transmitter Carrier On
TXP	NO	Advisory	Transmitter Primary On
VOW	YES	Warning	Volcano Warning
WFA	NO	Watch	Wild Fire Watch
WFW	YES	Warning	Wild Fire Warning
WSA	NO	Watch	Winter Storm Watch
WSW	YES	Warning	Winter Storm Warning
??A	NO	Watch	Unrecognized Watch

NOAA Code	ALERT ON DEFAULT	ALERT TYPE	ALERT MESSAGE
??E	NO	Advisory	Unrecognized Emergency
??S	NO	Advisory	Unrecognized Statement
??W	YES	Warning	Unrecognized Warning



**S.A.M.E.**  
Specific Area Message Encoding



To find your SAME# (FIPS code), call the national weather service toll free at **1-888-NWS-SAME** (1-888-697-7263) or visiting the website below.

[www.weather.gov/nwr/indexnw.htm#sametable](http://www.weather.gov/nwr/indexnw.htm#sametable)

**PRODUCT REGISTRATION**

To receive product updates and information, Go to

**www.AcuRite.com**



**COUNTY#/FIPS CODE RECORD**

use this area to keep a record of the codes you enter into your radio

**COUNTY - CODE - CHANNEL**

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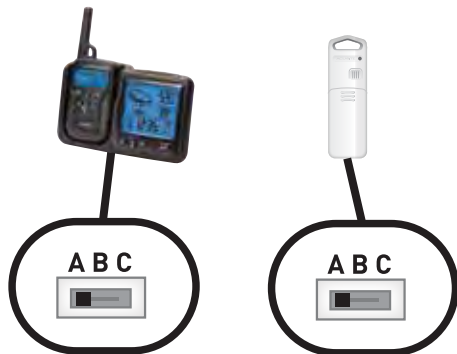


Problem	Possible Solution
 <p><b>Bad Wireless Sensor Reception</b></p>  <p>no bars</p>	<p>Relocate the weather station and/or the wireless sensor. Both units must be within 330 feet (100m) from each other. Make sure both units are placed at least 3 feet (.91 m) from other electronic appliances and devices that may interfere with the wireless communication (such as TV's, microwaves, computers etc). NOTE: It may take up to 20 minutes for the main unit to re-synchronize with the sensor when batteries are replaced. Use lithium batteries in sensor when temperature is below -4°F (-20°C).</p>
 <p><b>No Wireless Sensor Data</b></p> 	<p>If wireless reception is bad (no bars), see "Bad Reception" section above. The wireless ID setting on each unit must match for all units to communicate properly. See "Set Wireless ID" on the next page.</p>
 <p><b>Display Console Screen Not Working</b></p>	<p>Batteries may need replacing</p> <p>Check that AC adaptor is fully inserted if running off AC power only</p> <p>Press the RESET button (located within the battery compartment) with a paper clip to reset the display, note that all settings need to be re-entered.</p>





**Set Wireless I.D.**

In the event that you have reception problems due to interference, both the weather station and the wireless sensor have a selectable wireless ID. The ID switches are located within the battery compartments of the weather station and the integrated wireless sensor.

You may choose A, B or C; but both the weather station and the wireless sensor ID's must match for successful synchronization.



**Both wireless ID switches must match**

Problem	Possible Solution
 <p><b>No Power</b></p>	<p>Make sure the AC power adapter is securely plugged into the Weather Station dock.</p> <p>Make certain the radio is securely docked into the power dock- the "⚡" indicator icon will display to confirm radio is being powered by the dock.</p> <p>Make sure batteries are fresh in case AC power fails. If the radio is being powered by batteries alone, note that the batteries will only last approximately 3 days.</p>
 <p><b>No Sound From Speaker</b></p>	<p>Check that the volume is adjusted up to an audible level. If any external speaker/headphones are plugged into the headphone jack, the main speaker is bypassed and will NOT sound until external speaker/headphones are unplugged.</p>
 <p><b>Static When "Listen" button is pressed</b></p>	<p>Relocate the radio for better reception.</p> <p>Make sure the radio is located near an external wall window for best reception. If you are in a weak reception area, you will need to pay special attention that the radio is placed near a window and at a high placement for best reception possible.</p> <p>Ensure that the radio is set to the correct channel for proper reception. You may need to change the channel. Refer to Quick Setup: Channel Setup (page 10) to automatically rescan for the strongest channel. Contact the NWS to make certain they are currently broadcasting.</p>
 <p><b>The radio is not responding to weather alerts</b></p>	<p>Make sure you have programmed in the correct S.A.M.E# (FIPS code) for your area. Contact the NWS to make certain they are currently broadcasting.</p>

**TO RESET RADIO TO FACTORY DEFAULTS:**

press the "◀", "▶" and "LISTEN" buttons at the same time and select "OK".  
 NOTE: You will need to remove and reinsert the batteries for the RESET to take effect.



Batteries: 8 x "AA" (not included)  
2 Lithium Batteries Recommended in **Outdoor Sensor** if temperatures are below -4°F

AC Adapter: output 4.5 V DC  
(AC/DC Power Adapter included)

AC Power input: 4.5 V DC

### Measurement Ranges



Outdoor Temperature: **-40°F to 158°F**  
-40°C to 70°C

Outdoor Humidity: **1% to 99%**

**Wireless Sensor Range: 330 ft / 100 m**  
Depending on home construction materials



Channels: Digital PLL tuning for 7 NOAA channels

RF reception range: ~50 miles (80 km)

- Channel 1 - 162.400 Mhz
- Channel 2 - 162.425 Mhz
- Channel 3 - 162.450 Mhz
- Channel 4 - 162.475 Mhz
- Channel 5 - 162.500 Mhz
- Channel 6 - 162.525 Mhz
- Channel 7 - 162.550 Mhz

Voice output: 77dB/1m ( 1KHZ )

Sensitivity:( -5dB )

[www.AcuRite.com](http://www.AcuRite.com)

Patent numbers: 5,978,738; 6,076,044; 6,597,990; US 7,637,141 B2  
Acurite is a trademark of Chaney Instrument Co.  
965 Wells St. • Lake Geneva, WI 53147

# IMPORTANT NOTICE

Have questions about product setup or operation? We're here to help!

24/7 Support:

[www.acurite.com](http://www.acurite.com)

- › Product Setup & Demo Videos
- › Register your Product
- › Product Manuals
- › Support Forum
- › Frequently Asked Questions
- › Submit Feedback & Ideas

EMAIL:  
[info@chaney-inst.com](mailto:info@chaney-inst.com)

TOLL FREE:  
**(877) 221-1252**  
7:00 a.m. - 7:00 p.m. CST

**1-Year Warranty**  
▶ Don't forget! Register your product at: [www.acurite.com](http://www.acurite.com)

**PRODUCT REGISTRATION**

To receive product updates and information, Go to [www.AcuRite.com](http://www.AcuRite.com)



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[www.weather.gov/nwr/indexnw.htm#sametable](http://www.weather.gov/nwr/indexnw.htm#sametable)