



# WIRELESS WEATHER STATION WITH COLOR DISPLAY

Instruction Manual  
SKU# 2577401

## PARTS LIST:

No.	Description	Quantity	No.	Description	Quantity
1	Base Station Monitor	1	3	Power Adaptor	1
2	Outdoor Sensor	1			

Please read instructions carefully before use. Retain for future reference.  
2 x AA Batteries+2 x AAA Batteries Required

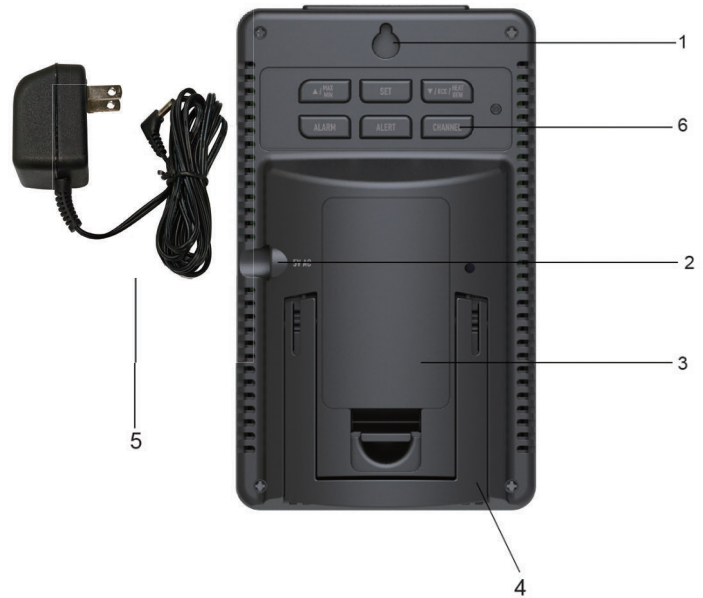
### Front/Display

1. 12 to 24 Hour Weather Forecast  
Self-calibrating forecasting pulls data from the outdoor sensor to generate your personal forecast
2. Current Barometric Pressure (inHg/hPa)
3. Current Outdoor Temperature (°C/°F)/ Outdoor Humidity
4. Current Indoor Temperature (°C/°F)/Indoor Humidity
5. Moon Phase
6. Atomic Clock (12/24 hours)
7. Date (Day/Month/Year)
- 8/9. Low Battery Indicator (Display unit / Remote sensor)
10. Radio-controlled clock signal (RCC signal)
11. DST (Daylight Saving Time) signal
12. Outdoor Sensor Signal Strength
13. Display Backlight Settings / Alarm Snooze



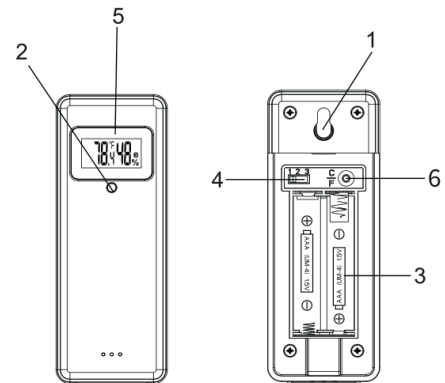
## Back of Display

1. Integrated Hang Hole for easy wall mounting.
2. Plug-in for Power Adapter
3. Backup Battery Compartment
4. Detachable Tabletop Stand
5. Power Adapter
6. Operating buttons



## Outdoor Sensor

1. Integrated Hanger for easy placement.
2. Wireless Signal Indicator Flashes when data is being sent to the display.
3. Battery Compartment
4. 1-2-3 Switch
5. Temperature humidity display



## Functions

- Measure indoor and outdoor temperatures in Celsius (°C) and Fahrenheit (°F), along with comfort level.
- Provides daily weather forecasts to help you plan your day.
- Track barometric pressure for insights into changing weather conditions.
- The RCC time synchronization feature tracks Daylight-Saving Time (DST), calendar dates, and weekdays.
- The station alerts you when the battery is low.
- With its colorful display, you can mount this device on the wall or place it on your desk.
- Reliable alarm with snooze function.
- Displays the current moon phase.

## First Time Use

### Sensor Set Up

1. Set the 1-2-3 Switch. The 1-2-3 switch is located inside the battery compartment. It can be set to 1, 2, or 3. However, you must select the same number of choices for both the sensor and the display for the units to synchronize.
2. Install or Replace Batteries. High-quality alkaline or lithium batteries provide the best product performance. Heavy-duty or rechargeable batteries are not recommended. The sensor requires lithium batteries in low-temperature conditions. Cold temperatures can cause alkaline batteries to malfunction. Use lithium batteries in the sensor for temperatures below -4°F / -20 °C.
  - a. Slide off the battery compartment cover. Take note of the 1-2-3 switch setting inside the battery compartment.
  - b. Insert 2 x AAA batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.

### Display Set Up

1. Insert 2 x AAA alkaline batteries into the battery compartment, as shown. Follow the polarity (+/-) diagram in the battery compartment.
2. Plug in the power adapter. For optimal performance, plug the power adapter into the main power source for this product.
3. Set the 1-2-3 Switch—press the “CHANNEL” button of the display unit to select 1, 2, or 3. You must choose the same number of choices for both the display and the sensor for the units to synchronize. If you set “↵”, the display unit will show the outdoor temperature of all outdoor sensors (If available). Press and hold the “CHANNEL” button to turn the RF signal reception on or off.

**IMPORTANT:** Batteries are a backup power source to preserve records in the event of a power outage. A power adapter is recommended as the primary source to enjoy the full functionality of this product.

### Atomic Clock (RCC)

- The Base Station will automatically synchronize and update the time each day between 1:00 a.m. and 3:00 a.m.
- It will not synchronize all the time, so it is essential to manually set it up after powering on.
- The RCC Icon will be displayed when a signal is established and will not be displayed if there is no signal.

### Manual RCC Setup

1. To start a manual search, press and hold ▼/RCC/HEATDEW for 3 seconds.
2. The display will become dim while RCC is searching, and buttons other than RCC and DIMMER will not function.

### Set the Time, Date & Units

#### Setup

1. Press and hold the SET button for 2 seconds to enter setting mode
2. Use ▲/MIN/MAX and ▼/RCC/HEATDEW to adjust values.
  - Press and HOLD to fast adjust
3. Press the SET button to confirm and move to the following item.

## Setting Order

1. RCC ON/OFF
2. Timer & Zero
  - a. (EST, CST, MST, PST, AKT, HST, NST, AST)
3. DST ON/OFF
4. Month/Day format
5. Calendar Year
6. Calendar Month
7. Calendar Day
8. 12/24 Hour
9. Clock Hour
10. Clock Minute
11. Temperature Units (°F or °C)
12. Barometric Pressure Units: (hPa or inHg)
13. End of Setting

NOTE: If you live in an area that observes Daylight Saving Time (DST), DST should be set to ON, even if it is not currently daylight saving Time.

NOTE: If no button is pressed for 15 seconds, the unit will automatically exit the setting mode.

## Backlight

- When powered by batteries only, press SNOOZE/DIMMER to turn on the backlight for 10 seconds.
- When using the power adapter, the backlight remains on continuously and can be adjusted to three brightness levels by pressing the SNOOZE/DIMMER button.

## Display Backlight Settings

The weather station's color display features three different lighting settings.

- High (100%) brightness
- Medium (60%) brightness
- Low (30%) brightness.

## Display powered by the power adapter.

Backlight remains on at 100% brightness.

1. Press DIMMER to dim to 60% brightness
2. Press DIMMER to dim to 30%
3. Press DIMMER to turn off the display.

## Alarm

### View Alarm Time

- Press ALARM to view the set alarm time and enter Alarm Time Mode.

### Set Daily Alarms

1. Press and hold ALARM for 2 seconds to enter alarm setting mode.
2. Use ▲/MIN/MAX and ▼/RCC/HEATDEW to adjust values.
  - a. Press and HOLD to fast adjust
3. Press ALARM to confirm.

### Deactivate/Activate Alarm

- In Alarm Time Mode, press ▲/MIN/MAX to turn the alarm ON/OFF

### **Switching Off Alarm Signal**

- When the alarm rings, press any key except SNOOZE/DIMMER to stop it.

### **Snooze Function**

- When the alarm rings, press SNOOZE to activate the snooze feature.
- Snooze lasts 5 minutes, then the alarm will ring again.

### **Placement Guidelines**

#### **Outdoor Sensor**

- Mount the sensor in a shaded, sheltered location, away from direct sunlight, rain, and snow.
- Install the sensor at a height of about 4-8 feet above the ground for best accuracy.
- Ensure the sensor is within the wireless transmission range of the console (328 ft / 100m)

#### **Indoor Console**

- Place the console indoors, away from direct sunlight, heat sources, and areas with high moisture.
- Position the console where the display is easily visible.
- Keep the console and sensor away from large metal objects or electronic devices that may interfere with the wireless signal.

### **Heat Index and Dew Point**

- When the outdoor temperature is 80°F or higher, the Heat Index icon is displayed; when the outdoor temperature is < 80°F, the Dew point icon displays.

### **Alert Function**

In Setting mode, press ALARM to turn the Alert function on or off.

#### **Check Alert Value**

1. Press the ALERT to display the high alert value of indoor/outdoor temperature/humidity.
2. Press the ALERT to display the low alert value of indoor/outdoor temperature/humidity.

#### **Setting the Alert**

1. Press and hold ALERT over 3 seconds to enter setting mode
2. The currently selected item will flash
3. Use ▲/MIN/MAX and ▼/RCC/HEATDEW to adjust values.
  - a. Press and HOLD to fast adjust
4. Press SET to confirm and move on to the following item

#### **Setting Order**

1. Outdoor high temperature
2. Outdoor low temperature
3. Outdoor high humidity
4. Outdoor low humidity
5. Indoor high temperature
6. Indoor low temperature
7. Indoor high humidity

- 8. Indoor low humidity
- 9. Exit

NOTE: If no button is pressed for 15 seconds, the unit will automatically exit setting mode.

### Weather Forecast

The weather station forecasts your personal weather for the next 12 to 24 hours (not current weather) based on changes in barometric pressure.

### Barometric Pressure Trend Display

The current pressure is indicated by an arrow icon, showing the direction in which the pressure is trending.

- FALLING, STEADY, or RISING

### Max/Min Records

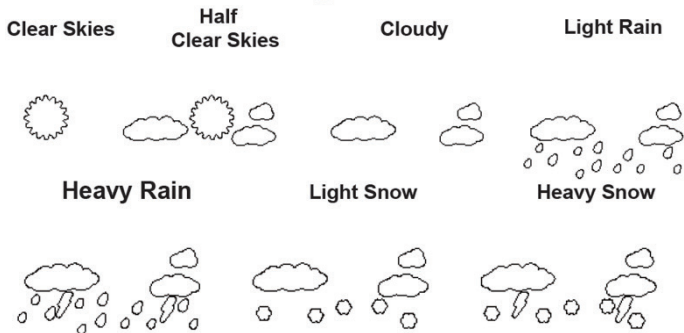
#### View Records

- Press MAX/MIN to cycle through the maximum and minimum temperature and humidity readings stored in memory.

#### Automatic Reset

- All maximum and minimum records are automatically cleared at midnight each day.

### Weather Forecast Signals



### Care and Maintenance

#### Display Care

Clean with a soft, damp cloth. Do not use caustic cleaners or abrasives. Keep away from dust, dirt, and moisture. Clean ventilation ports regularly with a gentle puff of air.

#### Outdoor Sensor Care

Clean with a soft, damp cloth. Do not use caustic cleaners or abrasives.

### Important Safety Instructions

- The main unit is intended for indoor use only. The outdoor sensor is designed for use outside only.
- Do not subject either unit to excessive force or shock.
- Do not expose either unit to extreme temperatures, direct sunlight, dust, or humidity.
- Do not immerse either unit in water.
- Avoid contact with any corrosive materials.
- Please do not dispose of either unit in a fire, as it may explode.

- Do not open the inner back case or tamper with any components of this unit.

### **Battery Safety Warnings**

- Use the correct size and type of battery as recommended.
- Insert batteries with the correct polarity (+/-).
- Do not mix old and new batteries, or different types (such as alkaline, carbon-zinc, and rechargeable).
- Replace all batteries simultaneously.
- Remove batteries during long periods of non-use or when exhausted.
- Do not attempt to recharge non-rechargeable batteries.
- Do not dispose of batteries in fire — they may leak or explode.
- Keep batteries away from metal objects to prevent short circuits.
- Store batteries in a cool, dry place. Avoid exposure to extreme heat, humidity, or direct sunlight.
- Keep out of reach of children — batteries may be a choking hazard.
- Leaking batteries can cause chemical burns or damage to the device. Handle with care.
- Dispose of batteries safely and in accordance with local regulations.

### **Troubleshooting**

#### **No outdoor sensor reception**

If the wireless indicator shows no bars:

- Relocate the display and/or the outdoor sensor as needed. The units must be within 330 ft (100 m) of each other.
- Make sure both units are placed at least 3 feet (90cm) away from electronics that may interfere with the wireless communication (such as TVs, microwaves, computers, etc.).
- Use standard alkaline batteries (or lithium batteries in the sensor when the temperature is below -4°F/-20°C). Do not use heavy-duty or rechargeable batteries.

NOTE: It may take a few minutes for the display and sensor to synchronize after batteries are replaced.

#### **Outdoor temperature is flashing or showing dashes.**

Flashing of the outdoor temperature is generally an indication of wireless interference.

- Bring both the sensor and display indoors and remove batteries from each.
- Make sure the 1-2-3 switches on both units match.
- Reinstall batteries in the outdoor sensor.
- Reinstall batteries in the display.
- Let the units sit within a couple of feet of each other for a few minutes to gain a strong connection.

#### **Inaccurate Forecast**

The Weather Forecast icon predicts conditions for the next 12 to 24 hours, not current conditions.

#### **Inaccurate Temperature or Humidity**

- Ensure both the display and sensor are positioned out of direct sunlight and away from any heat sources or vents.
- Ensure both units are positioned away from sources of moisture.

#### **The Display Screen is not working.**

- Ensure the power adapter is plugged into both the display and an electrical outlet.

**PRODUCT SPECIFICATIONS:**

Temperature Range	Outdoor: -40°F to 158°F; -40°C to 70°C
	Indoor: 32°F to 122°F; 0°C to 50°C
Humidity Range	Outdoor: 1% to 99% RH
	Indoor: 1% to 99% RH
Wireless Range	328 ft/100m dependent on home construction materials
Operating Frequency	433 MHz
Power	Display: AC-AC 5V,0.15A power adaptor (included) 2 x AA batteries (not included)
	Sensor: 2 x AAA batteries (not included)
Data Reporting	Outdoor: 30 second updates
	Indoor: 30 second updates

**FCC STATEMENT:**

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.

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