



WIRELESS WEATHER STATION WITH JUMBO COLOR DISPLAY

Instruction Manual
SKU# 2577402

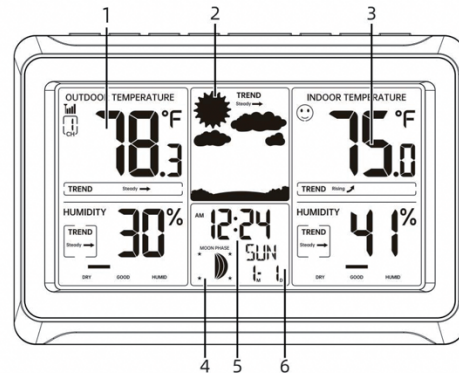
PARTS LIST:

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.
5 x AAA Batteries Required

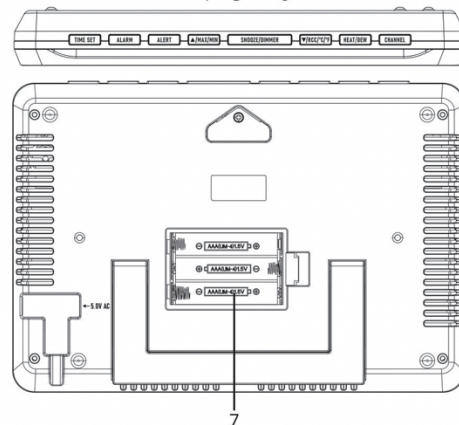
Front/Display

1. Outdoor temperature and humidity reading
2. Atmosphere display
3. Indoor temperature and humidity reading
4. Moon phase display
5. Time display
6. Weekday, month, and date display



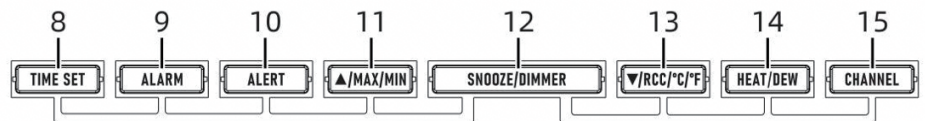
Back of Display

7. Battery compartment (3 x AAA batteries)



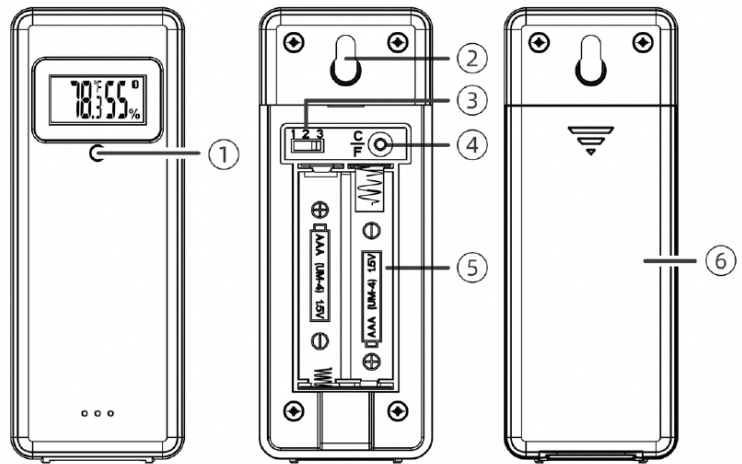
Top Buttons

8. TIME SET button
9. ALARM button
10. ALERT button
11. ▲/MIN/MAX button
12. SNOOZE/DIMMER button
13. ▼/RCC/°C/°F button
14. HEAT/DEW button
15. CHANNEL button



Outdoor Sensor

1. The LED indicator flashes when a reading is being transmitted
2. Wall mount
3. Channel switch: 1, 2, or 3
4. Temperature unit switch (C/F)
5. Battery compartment (AAA x 2)
6. Battery door



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.
- Tracks 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

Pair the Base Station with the Wireless Outdoor Sensor

1. To activate the Base Station, plug the included AC Adapter into the Base Station and insert 3 x AAA batteries into the battery compartment as a power backup.
2. The Base Station screen should now be activated and will automatically begin searching for the outdoor sensor to pair with.
3. To activate the Wireless Outdoor Sensor, insert 2 X AAA batteries into the battery compartment.
4. Select a channel on the Wireless Outdoor Sensor (CH1, CH2, or CH3) with the channel switch.
 - a. The Base Station and the Wireless Outdoor Sensor must be set to the same channel to synchronize correctly.
 - b. If you are using multiple sensors, each one must be set to a different channel.
5. The Wireless Outdoor Sensor will transmit the signal, and the LED will flash during transmission. Keep the Wireless Outdoor Sensor within 5-10 feet from the Base Station during the pairing process.
6. If you are using multiple sensors, each one must be set to a different channel.
7. The signal strength icon on the Base Station will animate until the sensor signal is received. The signal sensor will stop animating after 5 minutes if no signal is received.
8. Once the connection is established, the Base Station will display the temperature and humidity readings.

9. After the connection is established or 5 minutes of pairing have elapsed, the Base Station will automatically receive the Atomic Clock (RCC) Signal, and the RCC Receiving Icon will flash.
10. When the RCC Signal is received successfully, the icon will stop flashing, and the time and date will be updated.
11. Allow the Wireless Outdoor Sensor and Base Station to sit together for 15 minutes to establish a strong connection. Do not press any buttons during these 15 minutes.
12. After 15 minutes, place the Base Station and Wireless Outdoor Sensor in their intended locations.

NOTE: If the sensors do not pair automatically, you can pair them manually by pressing and holding the “Channel” button on the base station for 2 seconds.

Atomic Clock Reception

- The Base Station will automatically update the time each day between 1:00 a.m. and 5:00 a.m.
- The RCC Receiving Icon will flash while searching for a signal and become solid once a signal is established.

Manual RCC Reception

1. To start a manual search, press and hold the ▼/RCC/°C/°F button for 2 seconds.
2. The tower icon flashes during the search.
3. When the signal is received, the time and date update automatically.

Time Setting Setup

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

Setting Order

1. RCC ON/OFF

NOTE: If RCC OFF is selected, DST ON/OFF and Time Zone will be skipped

2. DST ON/OFF
3. Time zone
 - a. EST, NST, AST, HST, AKT, PST, MST, CST, EST
4. Year
5. Month
6. Date
7. 12/24 Hour Format
8. Hour
9. Minute
10. End of Setting

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. The hour of alarm will begin to flash.
2. Use ▲/MIN/MAX and ▼/RCC/°C/°F to adjust values.
 - a. Press and HOLD to fast adjust
3. Press ALARM to confirm.

Deactivate/Activate Alarm

- In Alarm Time Mode, press ALARM to turn the alarm ON/OFF.
- If the alarm is on, the corresponding icon will show on the display.

Switching Off Alarm Signal

- When the alarm rings, press any key except SNOOZE/DIMMER to stop it.
- The alarm will ring again at the intended time the next day.

Snooze Function

- When the alarm rings, press SNOOZE/DIMMER to activate the snooze function.
- The snooze indicator will keep flashing.
- Snooze lasts 5 minutes, then the alarm will ring again.

Heat Index and Dew Point

- When the outdoor temperature is $\geq 80^{\circ}\text{F}$, the Heat index value is displayed. When the outdoor temperature is $< 80^{\circ}\text{F}$, the Dew point value is displayed.
- Press HEAT/DEW to switch between the Heat index and the Dew point display
 - Humidity is not displayed when the heat/dew point index is viewed

Temperature and Humidity Trend

Temperature Trend

The temperature trend indicators update every 15 minutes and reflect the past hour

- ↑ : Temperature increases $> 1^{\circ}\text{C}/2^{\circ}\text{F}$ in the past hour
- ↓ : Temperature decreases $< 1^{\circ}\text{C}/2^{\circ}\text{F}$ in the past hour
- → : Temperature has not changed more than $1^{\circ}\text{C}/2^{\circ}\text{F}$ in the past hour

Humidity Trend

The humidity trend indicators update every 15 minutes and reflect the past hour

- ↑ : Humidity has increased by $> 3\%$ in the past hour
- ↓ : Humidity has decreased by $< 3\%$ in the past hour
- → : Humidity has not changed more than 3% in the past hour

Temperature and Humidity Max/Min Record

1. Press ▲/MIN/MAX to display the maximum value of indoor/outdoor temperature and humidity.

2. Press ▲/MIN/MAX to display the minimum value of indoor/outdoor temperature and humidity.
3. Press ▲/MIN/MAX to exit.

NOTE: If no button is pressed for 10 seconds, the unit will automatically exit setting mode.

Humidity Comfort Indicator

The comfort level is shown based on indoor humidity

- DRY: Humidity below 40%
- GOOD: Humidity between 40% and 70%
- HUMID: Humidity above 70%

Alert Function

Press ALARM to turn ON/OFF the Alert function

Check Alert Value

1. Press the ALERT button to display the high alert value of indoor/outdoor temperature/humidity, along with the corresponding icon.
2. Press the ALERT button to display the low alert value for indoor/outdoor temperature/humidity, along with the corresponding icon.
3. Press ALERT to exit.

Setting the Alert

1. Press and hold ALERT over 2 seconds to enter alert setting mode.
2. Use ▲/MIN/MAX and ▼/RCC/°C/°F to adjust values.
 - a. Press and HOLD to fast adjust.
3. Press ALERT to confirm and proceed to the following item.
4. The corresponding icons for High and Low will appear when each alert is set.

Setting Order

1. Outdoor temperature upper limit value
2. Outdoor temperature lower limit value
3. Outdoor humidity upper limit value
4. Outdoor humidity lower limit value
5. Indoor temperature upper limit value
6. Indoor temperature lower limit value
7. Indoor humidity upper limit value
8. Indoor humidity lower limit value
9. Exit

NOTE: When setting alert value, press CHANNEL to switch the sensor for which values are being set

Alarm

- When the temperature or humidity alert is activated, the corresponding value and alert icon flash. The alarm is automatically turned off after 1 minute of continuous ringing, but the alert icon will still flash.
- If the alarm is not for the currently displayed outdoor sensor, only the alert icon will flash, and the alarm will ring, but the alert value will not be displayed.

Deactivate the Alarm

- When the alarm is ringing, press any button to stop it; the alert indicator icon will continue to flash.
- The alarm will automatically stop if the temperature or humidity returns to the normal value range.

Switch Reading Display for the Outdoor Temperature/Humidity Sensors

- Press CHANNEL to interchange the reading display for the outdoor temperature/humidity sensors
- There are CH1, CH2, CH3 or cycle display
- In cycle display mode, the outdoor temperature reading will switch every 3s

Comfort Indication

The comfort level is shown based on temperature and humidity:

- DRY: Humidity below 40%
- COMFORT: Temperature between 20 °C and 28 °C (68 °F to 82 °F) and humidity between 40% and 70%
- WET: Humidity above 70%

Weather Forecasting Function

The weather station forecasts the weather for the next 6 to 12 hours (not current weather) based on changes in barometric pressure.

Forecast Icons

- Sunny
- Partly Sunny
- Cloudy
- Light Rain
- Heavy Rain
- Light Snow
- Heavy Snow

Switch Temperature Unit

Press and release the CHANNEL button to switch between °C and °F

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.

Low Battery Indication

Replace batteries on sensors/station when the low battery icon appears for indoor humidity/outdoor humidity.

NOTE: A Low battery may affect the normal function of the weather station/ sensors.

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 5–7 feet above the ground for best accuracy.
- Ensure the sensor is within the wireless transmission range of the console (approximately 200 feet in open areas).

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.

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 extreme heat, humidity, or 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) 3 x AAA 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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