



Wireless Weather Station with 3 Sensors and Large Color Display

Instruction Manual
SKU# 2578838

PARTS LIST:

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

Please read instructions carefully before use. Retain for future reference.

Requires 9 x AAA batteries in total (Main unit: 3 x AAA, 3 sensors: 2 x AAA each)

Top

1. Light/Snooze button

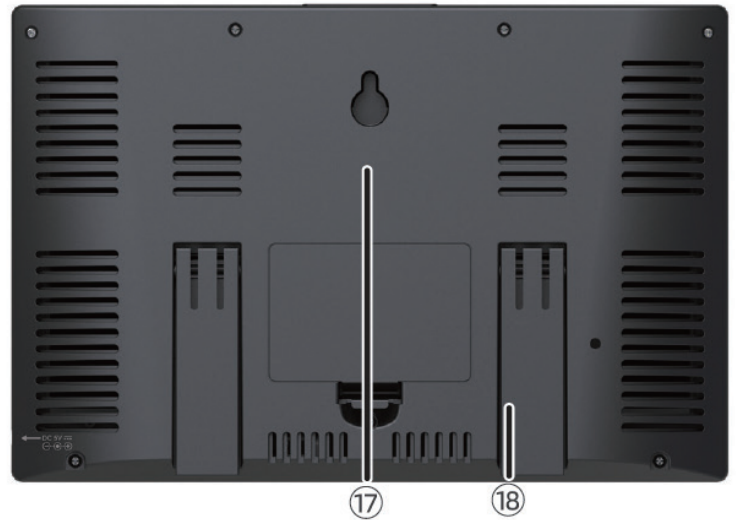
Front/Display

2. Pressure/Trend display
3. Weather forecast display
4. Time display
5. Date display
6. SET button
7. ALARM button
8. Weekday display
9. UP button
10. DOWN / °C/°F / RCC button
11. MAX/MIN button
12. CHANNEL button
13. Indoor temperature and humidity display
14. Outdoor temperature and humidity display (Channel 3)
15. Outdoor temperature and humidity display (Channel 2)
16. Outdoor temperature and humidity display (Channel 1)



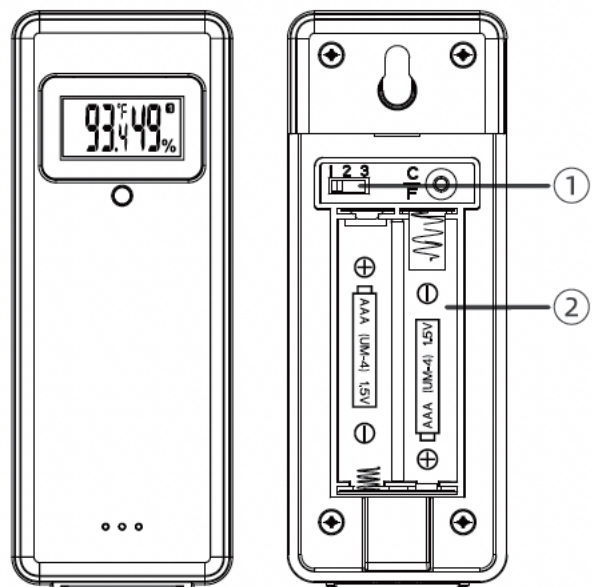
Back of Display

- 17. Hang hole
- 18. Battery compartment for 3 x AAA batteries



Outdoor Sensor

- 1. 1-2-3 Switch.
- 2. Battery Compartment



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.

Instructions

Display Set Up

1. Connect the AC adapter to power the console.
2. Insert 3 × AAA backup batteries (for backup power).
3. The weather station will automatically search for and pair with sensors
4. If the weather station does not pair with sensors, then pair manually
5. The display will also search for the atomic clock signal.

Sensor Set Up/Pairing

1. Insert 2 × AAA batteries into the outdoor sensor.
2. Select a channel (CH1, CH2, or CH3) with the channel switch.
 - a. The weather station and the 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.
3. When the weather station is powered on, it automatically searches for signals.
 - a. The signal strength icon flashes for up to 5 minutes during the search.
 - b. When the connection is successful, the outdoor temperature and humidity will appear on the console.

NOTE: If the sensor doesn't pair automatically, pair the sensor manually by pressing and holding the CHANNEL button for over 2 seconds

4. The sensor will flash the LED while transmitting the signal
5. Keep the sensor close to the console during the first setup (about 5–10 ft / 1.5–3 m).
6. Once the connection is established, temperature and humidity readings will appear on the station.
7. Do not press any buttons for 15 minutes after inserting the batteries.
 - a. This allows the sensor and console to establish a stable connection.
8. Once pairing is complete, you may move the sensor to its intended location.

Manual Sensor Pairing

1. Press the CHANNEL button on the weather station to switch between CH1, CH2, and CH3; the selected channel will be highlighted with a flashing display.
2. While the channel is flashing, press and hold CHANNEL for 2 seconds to search for sensors
3. The signal strength icon will animate until a sensor signal is received or for a maximum of 5 minutes.
4. When the connection is successful, the outdoor temperature and humidity will appear on the console.

Atomic Clock Reception (RCC)

- After setup, the console automatically begins searching for the RCC (atomic clock) signal.
- The tower icon flashes during the search.
- When the signal is received, the icon remains solid, and the time/date is set automatically.
- The console will automatically update the time each day between 1:00 a.m. and 5:00 a.m.

Manual Reception

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

Time and Date

Setup

- Press and hold SET for 2 seconds to enter setting mode. The RCC ON/OFF indicator will begin flashing.
- Use UP and DOWN to change values. °C / °F are available options. RCC is also supported.
 - Press and HOLD to fast adjust
- Press SET to confirm and move to the following item.

Setting Order (as shown)

1. RCC: ON / OFF

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

2. 12/24-hour format
3. Time zone
 - a. AST, EST, CST, MST, PST, AKT, HAT
4. DST: ON / OFF
5. Hour
6. Minute
7. Date format
8. Year
9. Month
10. Day
11. Weather forecast pattern
12. Air pressure unit
13. Air pressure value
14. Exit

Alarm

View Alarm Time

- Press ALARM to view the set alarm time.

Set Alarm Time

1. Press and hold ALARM for 2 seconds to enter alarm setting mode.
2. Use UP and DOWN to adjust values. RCC is also available
3. Press ALARM to confirm.

Deactivate/Activate Alarm

- Press UP to select Alarm1 and Alarm2 ON or OFF
- If the alarm is on, the corresponding icon will show on the display

Switching Off the Alarm

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

Snooze

- Press LIGHT/SNOOZE to activate the snooze function.
- The snooze indicator will keep flashing.
- Snooze lasts 8 minutes, then the alarm will ring again.

Max/Min Records

View Records

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

Clear Records

- Press and hold MAX/MIN for over 2 seconds to re-record maximum and minimum values.

Automatic Reset

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

Weather Forecast

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
- Slightly Cloudy
- Cloudy
- Rainy
- Heavy Rain
- Snow

Barometric Pressure Trend Display

The pressure trend reflects the past hours and is shown with an arrow on the display:

- ↑: Pressure increases more than 2 hPa per hour
- ↓: Pressure decreases more than 2 hPa per hour
- No arrow: Pressure is steady (little or no change)

Ice Alert

- The snowflake icon appears when the outdoor temperature is between $-1\text{ }^{\circ}\text{C}$ and $+3\text{ }^{\circ}\text{C}$ ($30.2\text{ }^{\circ}\text{F}$ to $37.4\text{ }^{\circ}\text{F}$).

Comfort Level

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%

Note: If the indoor temperature is outside the range of 20 °C–28 °C (68 °F–82 °F) and the humidity is between 40% and 70%, the display will show no comfort indication.

Switch Temperature Unit

Press and release DOWN / °C/°F / RCC button two switch between °C and °F

Backlight

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

Low Battery Indication

Replace the batteries on sensors/stations when the low battery icon appears in the indoor humidity/outdoor humidity display.

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

Factory Restart

Factory Restart to return the station to factory settings

- Remove all power sources and batteries from outdoor sensors and the weather station
- Leave both units without power for 10 minutes
- Follow the Setup Instructions to restart/pair the sensors and the weather station.

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 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)
	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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