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Newentor Q3, Q5

Newentor Weather Station Q3 and Q5 User Manual

Models: Q3 (7.5" LCD Screen) & Q5 (6" Screen with 3 Remote Sensors)

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Newentor Weather Station models Q3 and Q5. These devices are designed to provide accurate indoor and outdoor temperature and humidity readings, weather forecasts, and other useful environmental data. Please read this manual thoroughly before using the product to ensure proper function and longevity.

2. PRODUCT OVERVIEW

The Newentor Weather Station system includes a main display console (either Q3 or Q5) and one or more remote sensors. The Q3 model features a 7.5-inch LCD screen, while the Q5 model has a 6-inch screen and supports up to three remote sensors.

2.1 Main Display Console Features

- Indoor/Outdoor Temperature and Humidity Display
- Weather Forecast with Graphical Icons
- Barometric Pressure Display and Trend
- Time and Date Display
- Alarm Clock with Snooze Function
- Moon Phase Display (Q3)
- Temperature Alerts (Q3)
- WWVB Signal Function for Automatic Time Synchronization (Q5)

2.2 Remote Sensor Features

- Measures Outdoor Temperature and Humidity
- Wireless Transmission to Main Console (up to 200ft/60m)
- White Casing Designed to Reduce Heat Absorption for More Accurate Readings



Image: Newentor Weather Station Q3 display console shown with one remote sensor and illustrative icons representing its multi-functionality including thermometer, barometer, alarm clock, and weather forecast.



Image: Newentor Weather Station Q5 display console illustrating indoor temperature and humidity alongside readings from three distinct outdoor remote sensors, labeled for clarity.

3. SETUP

3.1 Battery Installation

1. **Main Display Console:** Open the battery compartment on the back of the main unit. Insert the required batteries (typically AA or AAA, refer to the battery compartment label) according to the polarity markings (+/-). Close the compartment.
2. **Remote Sensors:** Open the battery compartment on each remote sensor. Insert the required batteries (typically AA or AAA) according to the polarity markings. Close the compartment.

Note: It is recommended to insert batteries into the remote sensors first, then into the main display console to ensure proper synchronization.

3.2 Sensor Placement

For accurate outdoor readings, place remote sensors in a shaded, dry location, away from direct sunlight and heat

sources. Ensure the sensor is protected from rain and snow. The maximum wireless transmission range is approximately 200 feet (60 meters) in open air. Walls and other obstructions may reduce this range.



Image: The Newentor Weather Station display console and a remote sensor are shown, with the sensor positioned outdoors to demonstrate the 200ft/60m wireless transmission range for outdoor monitoring.



Image: The Newentor Weather Station display console is depicted, illustrating its capability to connect with up to three remote sensors, allowing for monitoring of different locations (CH1, CH2, CH3).

3.3 Initial Synchronization and Settings

1. After battery installation, the main console will automatically search for remote sensors. This may take a few minutes. The outdoor temperature/humidity will appear once connected.
2. **Time and Date:** For Q5 models, the WWVB signal will attempt to synchronize the time automatically. If manual setting is required or for Q3 models, press the 'SET' button to enter time/date setting mode. Use 'UP' or 'DOWN' buttons to adjust values and 'SET' to confirm and move to the next setting.
3. **Temperature Units:** Press the '°C/°F' button (if available) or use the 'SET' menu to switch between Celsius and Fahrenheit.
4. **Barometric Pressure Units:** If applicable, use the 'SET' menu to select units (e.g., inHg, hPa/mb).

DIY Your Label Sticks

Make the location of your 3 outdoor sensors clear

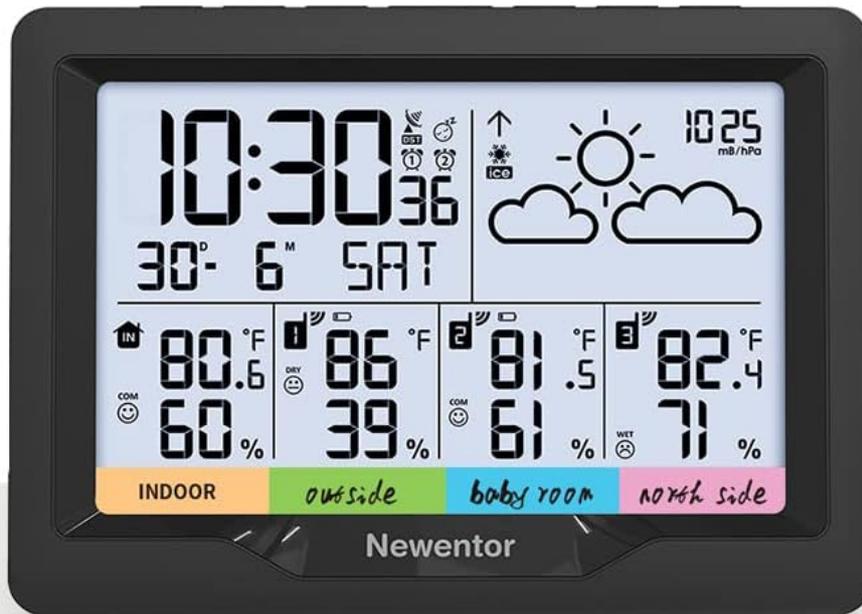


Image: The Newentor Weather Station display console with various colored labels for indoor, outside, baby room, and north side, demonstrating the option to customize sensor location labels.

4. OPERATING INSTRUCTIONS

4.1 Display Information

The main display console provides a comprehensive overview of current weather conditions and time information:

- **Indoor Section:** Displays current indoor temperature and humidity.
- **Outdoor Section(s):** Displays current outdoor temperature and humidity from connected remote sensor(s).
- **Weather Forecast:** Icons (e.g., sunny, cloudy, rainy) indicate the predicted weather for the next 12-24 hours.
- **Barometric Pressure:** Shows current atmospheric pressure and a trend indicator (rising, falling, stable).
- **Time/Date:** Current time, day of the week, and date.
- **Moon Phase:** (Q3 only) Displays the current phase of the moon.

COLORFUL LARGE SCREEN WEATHER STATION



Image: The Newentor Weather Station's colorful large screen display, showcasing various data points including weather forecast, humidity, temperature, time, alarm, alerts, and barometric pressure.

4.2 Button Functions

Refer to the specific button labels on your console for exact functions. Common buttons include:

- **SET:** Enters setting mode, confirms selections.
- **UP/DOWN (or +/-):** Adjusts values in setting mode, cycles through display options.
- **CH (Channel):** Cycles through remote sensor channels (for Q5 with multiple sensors).
- **ALARM:** Enters alarm setting mode, activates/deactivates alarm.
- **ALERT:** (Q3 only) Sets temperature alerts.
- **SNOOZE/LIGHT:** Activates snooze during an alarm, adjusts backlight brightness.

4.3 WWVB Signal Function (Q5)

The Q5 model features automatic time synchronization via the WWVB radio signal. The station will attempt to receive this signal daily, typically overnight. A signal icon will appear on the display when the signal is successfully received and synchronized.



Image: The Newentor Weather Station display console highlighting the WWVB signal icon, indicating successful reception of the atomic clock signal for automatic time synchronization.

5. MAINTENANCE

5.1 Cleaning

Wipe the display console and remote sensors with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the surfaces and electronic components.

5.2 Battery Replacement

When the low battery indicator appears on the display for either the main unit or a remote sensor, replace all batteries in that unit with new ones of the specified type. Ensure correct polarity during installation.

6. TROUBLESHOOTING

- **No Outdoor Reading / Sensor Not Connecting:**
 - Ensure batteries are correctly installed in both the sensor and main unit.
 - Press the 'RESET' button on both the sensor and main unit (if available).
 - Bring the sensor closer to the main unit to check for signal interference.
 - Change the channel on the remote sensor and then press the 'CH' button on the main unit to rescan.
- **Inaccurate Readings:**
 - Ensure sensors are not exposed to direct sunlight, heat sources, or excessive moisture.
 - Allow sufficient time (up to 30 minutes) for readings to stabilize after initial setup or battery change.
- **WWVB Signal Not Received (Q5):**
 - Place the main unit near a window, away from electronic devices that may cause interference.
 - The signal is strongest at night. Allow several nights for successful synchronization.
- **Display Not Working:**
 - Check and replace batteries in the main unit.
 - Ensure the power adapter (if used) is securely connected.

7. SPECIFICATIONS

Feature	Specification
Brand	Newentor
Power Source	Battery Powered
Connectivity Technology	433 MHz, 868 MHz
Temperature Accuracy	±1 °C
Upper Temperature Rating	50 Degrees Celsius
Display Type	LCD
Wireless Transmission Range	Up to 200ft / 60m (open air)
Included Components	Display Console, Sensors, Mounting Hardware, Instruction Manual, Screws, Power Cord (Batteries not included)

8. WARRANTY AND SUPPORT

Newentor products are designed for reliability and performance. This product comes with a standard manufacturer's warranty. For specific warranty details, please refer to the documentation included in your product packaging or visit the official Newentor website.

If you encounter any issues or have questions not covered in this manual, please contact Newentor customer support through the contact information provided on our website or your purchase platform. Please have your model number (Q3 or Q5) and purchase date available when contacting support.