



[Manuals.plus](#) /

› [Newentor](#) /

› Newentor Weather Station Wireless Indoor Outdoor Thermometer User Manual

Newentor Q3-BLACK

Newentor Weather Station User Manual

Model: Q3-BLACK

INTRODUCTION

Thank you for choosing the Newentor Weather Station. This device provides comprehensive indoor and outdoor environmental monitoring, including temperature, humidity, barometric pressure, and weather forecasts. It also features an atomic clock with dual alarms and adjustable backlight for optimal readability. Please read this manual carefully to ensure proper setup and operation.



Image: The Newentor Weather Station main display unit and its accompanying wireless remote sensor.

PACKAGE CONTENTS

- Newentor Weather Station Main Unit
- Wireless Remote Sensor (1 included, supports up to 3)
- Power Adapter
- Mounting Hardware
- User Manual (this document)

SETUP GUIDE

1. Powering the Main Unit

1. Insert 2 AA batteries (not included) into the battery compartment on the back of the main unit. These serve as

backup power.

2. Connect the provided power adapter to the DC 5V 1.2A port on the back of the main unit and plug it into a wall outlet. The display will light up.



Image: Illustration of the weather station's power options, including AC adapter connection and battery installation for backup.

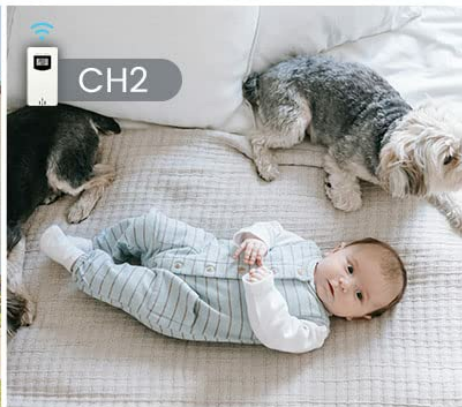
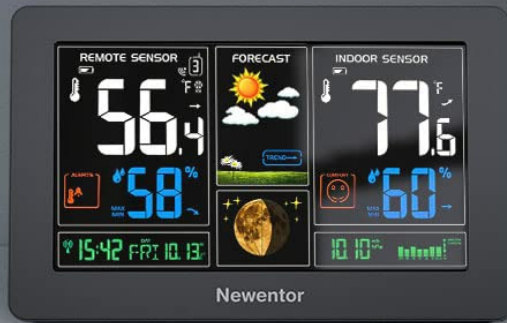
2. Setting Up the Remote Sensor

1. Open the battery compartment of the remote sensor and insert 2 AA batteries (not included).
2. Select a channel (1, 2, or 3) on the remote sensor using the small switch inside the battery compartment. If using only one sensor, Channel 1 is recommended.
3. Close the battery compartment. The sensor will begin transmitting data.

3. Pairing the Sensor with the Main Unit

The main unit should automatically detect and pair with the remote sensor within a few minutes. Ensure both units are within range (up to 328ft/100m in open air). If pairing does not occur automatically, press and hold the "CHANNEL" button on the main unit to initiate a manual search.

UP TO 3 WIRELESS SENSOR CHANNELS 328FT IN OPEN AIR



PACKAGE CONTAINS 1 SENSOR

Image: The weather station display indicating support for up to three wireless remote sensors, allowing monitoring of different locations.

4. Placement of Remote Sensor

For accurate outdoor readings, place the remote sensor in a shaded, dry location, protected from direct sunlight and precipitation. Avoid placing it near large metal objects or electronic devices that may interfere with the wireless signal. The sensor can be mounted using the provided hardware or placed on a flat surface.



Image: The wireless remote sensor positioned outdoors, demonstrating its ability to transmit data to the main unit for continuous climate monitoring.

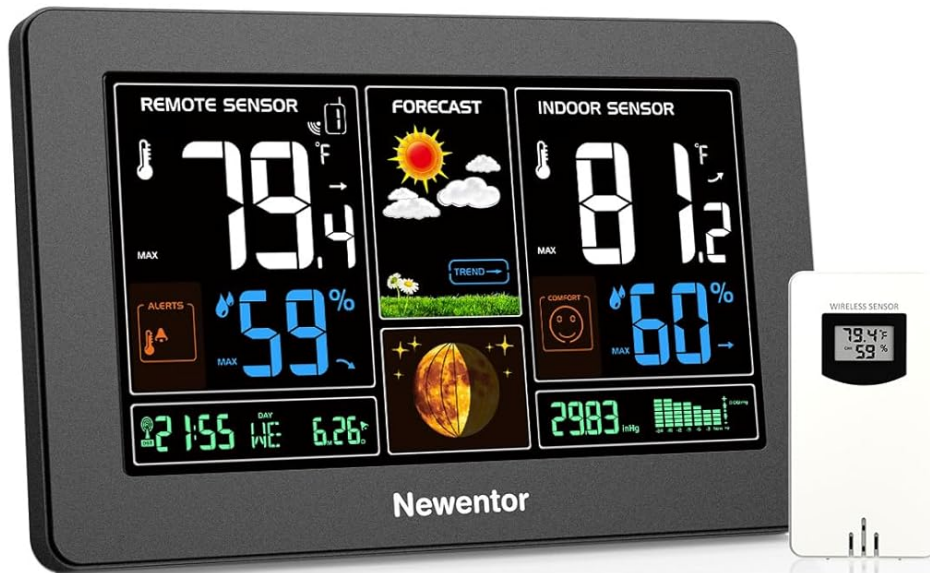
OPERATING INSTRUCTIONS

Display Overview

The 7.5-inch LCD color display provides a clear overview of all relevant data:

- **Remote Sensor Data:** Outdoor temperature and humidity, including MAX/MIN records.
- **Forecast:** Weather forecast for the next 12-24 hours, trend indicators, and moon phase.
- **Indoor Sensor Data:** Indoor temperature and humidity, including MAX/MIN records and comfort level.
- **Time & Date:** Atomic clock synchronized time, date, and day of the week.
- **Barometric Pressure:** Current barometric pressure and historical trend graph.

Ultimate Efficiency in One



||



+



+



+



Thermometer and Hygrometer

Barometer

Alarm clock

Weather Forecast

Image: The weather station's display highlighting its multi-functional capabilities, combining a thermometer, barometer, alarm clock, and weather forecast in one unit.

Atomic Clock Synchronization (WWVB)

The weather station automatically synchronizes with the WWVB atomic time signal from Colorado every morning to ensure accurate timekeeping. During synchronization (typically 1:00 AM, 2:00 AM, and 3:00 AM), the display may black out for approximately 7 minutes. Ensure the unit is placed in an area with good signal reception.

ATOMIC CLOCK WITH WWVB FUNCTION

Automatically synchronize the WWVB signal every morning to calibrate and ensure accuracy



WWVB icon



Image: The weather station's display featuring the WWVB icon, indicating its atomic clock synchronization function for precise time updates.

Adjusting Backlight

When powered by the AC adapter, the display offers 4 levels of brightness: HI, MED, LOW, and OFF. Use the dedicated button (usually labeled "LIGHT" or "BRIGHTNESS") to cycle through these settings. If only using batteries, the backlight will temporarily light up for 15 seconds when a button is pressed to conserve power.



Image: Visual representation of the weather station's adjustable backlight settings, showing different brightness levels for various lighting conditions.

Setting Alarms

Refer to the specific button functions in your quick start guide for setting dual alarms. Typically, a "MODE" or "ALARM" button is used to enter alarm setting mode, and "UP/DOWN" buttons adjust the time.

Temperature Alerts

The weather station allows for customizable temperature alerts. This feature is particularly useful for monitoring comfort levels in specific rooms, such as a child's room or an elderly person's room. Consult the user manual for detailed instructions on setting high and low temperature alerts.



Image: The weather station's display showing the temperature alert icon, indicating the ability to set custom alerts for temperature changes.

MAINTENANCE

- **Cleaning:** Wipe the main unit and remote sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit (backup) and remote sensor annually, or when the low battery indicator appears on the display. Ensure to use fresh AA batteries.
- **Sensor Protection:** While the remote sensor is designed for outdoor use, protecting it from extreme weather conditions (e.g., heavy rain, direct prolonged sunlight, snow) will extend its lifespan and accuracy. Consider placing

it under an eave or in a sheltered area.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit.	Power adapter not connected or faulty; batteries drained or incorrectly inserted.	Ensure power adapter is securely plugged in. Check and replace batteries if necessary, ensuring correct polarity.
Outdoor temperature/humidity not displayed (--).	Remote sensor out of range; sensor batteries drained; interference; sensor not paired.	Move sensor closer to main unit. Replace sensor batteries. Relocate units away from interference sources. Re-pair sensor by holding "CHANNEL" button on main unit.
Inaccurate readings.	Sensor exposed to direct sunlight/rain; calibration needed for forecast.	Relocate sensor to a shaded, protected area. Allow 7-10 days for forecast calibration.
Atomic clock not synchronizing.	Poor signal reception; interference.	Place main unit near a window or in an open area away from electronic devices. Manual time setting is an alternative.

SPECIFICATIONS

Model: Q3-BLACK

Product Dimensions: 3.94 x 3.94 x 3.94 inches; 10 ounces

Power Source: AC/DC Power Adapter (Main Unit), 2 AA Batteries (Main Unit Backup & Remote Sensor)

Display Type: 7.5" LCD Color Display

Connectivity: Radio Frequency (RF)

Special Features: Large Display, Adjustable Brightness, Alarm, Atomic Clock, Weather Forecast, Barometric Pressure, Moon Phase, Temperature/Humidity Alerts

Material: Acrylonitrile Butadiene Styrene (ABS)

Manufacturer: Newentor

WARRANTY AND SUPPORT

Newentor products are designed for reliability and performance. For warranty information and technical support, please refer to the contact details provided on the Newentor official website or the packaging. You may also visit the [Newentor Store on Amazon](#) for additional resources and product information.