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› Newentor Weather Station Wireless Indoor Outdoor Thermometer User Manual

Newentor Q3-BLACK-CA

Newentor Weather Station Wireless Indoor Outdoor Thermometer User Manual

Model: Q3-BLACK-CA

INTRODUCTION

The Newentor Weather Station is a comprehensive device designed to monitor indoor and outdoor temperature and humidity. It features a large 7.5-inch HD color screen, provides weather forecasts, moon phase, and barometric pressure readings. Additionally, it includes an alarm clock with snooze function and a convenient USB output port for charging devices. This manual provides detailed instructions for setup, operation, maintenance, and troubleshooting to ensure optimal performance of your weather station.



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

SAFETY INFORMATION

- To keep the screen continuously on, ensure the power adapter is plugged in. Disabling WWVB will not affect the device's normal operation.
- After initial setup or restarting, allow 7-10 days for the weather station to learn and calibrate barometric pressure for accurate forecasts.
- Mount the outdoor sensor vertically on a North-facing wall to prevent direct sunlight and rain exposure. Direct sunlight can lead to inaccurate temperature readings.
- Be aware that metal siding, stucco, and certain types of glass can significantly reduce the wireless signal range between the main unit and the sensor.
- The outdoor sensor has an IPX4 waterproof rating, but it is recommended to place it under a cover to protect it from prolonged heavy rain, which could cause internal damage.
- Ensure the main unit and the remote sensor are placed within 100 meters (328 feet) of each other in open areas for optimal

wireless communication.

- Keep both units at least 1 meter (3 feet) away from electronic devices such as TVs, microwaves, computers, or radios, as these may interfere with wireless communication.

PACKAGE CONTENTS

Verify that all items are present in your package:

- Newentor Weather Station Main Unit (1)
- Wireless Outdoor Sensor (1)
- Power Adapter (1)
- User Manual (This document)

SETUP

1. Powering the Device

The main unit can be powered by the included AC adapter for continuous display or by batteries for temporary backlight activation. The outdoor sensor requires batteries.

- **Main Unit:** Plug the power adapter into the DC 5V port on the back of the main unit and into a wall outlet. For battery backup (memory retention during power outages), insert 2 AA batteries (not included) into the battery compartment.
- **Outdoor Sensor:** Open the battery compartment on the back of the sensor and insert 2 AA batteries (not included), observing polarity.

DC/AC POWERED

Adjustable 4 brightness levels.



BATTERY POWERED

Touch SNOOZE to activate the backlight for 15 seconds.



Image: Illustration showing the weather station powered by an AC adapter for continuous display and by batteries for temporary backlight.

When plugged in the 5.0V power adapter
4 levels of brightness (HI-MED-LOW-OFF)

When only insert batteries
backlight temporary light up for 15S



Image: Visual comparison of the weather station's display when powered by the 5.0V adapter (4 levels of brightness) versus only batteries (backlight lights up for 15 seconds).

2. Sensor Pairing

Once both units are powered, the main unit will automatically search for the outdoor sensor. Ensure the sensor is within range. The main unit can support up to 3 remote sensors (additional sensors sold separately).

SUPPORT CONNECTIONS TO 3 REMOTE SENSORS

328FT transmission range in open air.

CH1

CH2

CH3

REMOTE SENSOR 26.9 °C 59% HUMIDITY

FORECAST

INDOOR SENSOR 27.6 °C 60% HUMIDITY

15:42 FR 10.13

Newentor

PACKAGE INCLUDES 1 SENSOR

Image: Depiction of the weather station's ability to connect to up to three remote sensors, showing placement examples in a backyard, kitchen, and greenhouse.

3. Placement Recommendations

- **Main Unit:** Place the main unit on a flat surface using its integrated tabletop stand or mount it on a wall using the hanging hole.
- **Outdoor Sensor:** For best results, mount the sensor vertically on a North-facing wall, away from direct sunlight and rain. Ensure it is within the 100m (328ft) transmission range of the main unit and at least 1m (3ft) away from other electronics.



Image: Visual guide demonstrating how to wall mount the main unit and how to use its tabletop stand for desk placement.

4. Initial Calibration

After initial setup or a restart, the weather station requires approximately 7-10 days to learn and calibrate the barometric pressure for accurate weather forecasting. During this period, the forecast may not be fully precise.

OPERATING INSTRUCTIONS

1. Display Features

The 7.5-inch HD color screen provides a clear overview of various environmental data:

- **Indoor/Outdoor Temperature & Humidity:** Displays current readings for both environments.
- **Weather Forecast:** Predicts weather conditions for the next 12-24 hours based on barometric pressure changes.
- **Time/Date:** Shows the current time and date.
- **Moon Phase:** Indicates the current phase of the moon.
- **Barometric Pressure:** Displays the current atmospheric pressure and its trend.

- **Customizable Alerts:** Allows setting alerts for specific temperature conditions.



Image: A detailed view of the weather station's colorful display, highlighting sections for outdoor temperature & humidity, weather forecast, indoor temperature & humidity, time & date, moon phase, and barometric pressure.

2. Backlight Adjustment

The main unit features 4 levels of adjustable backlight brightness (100%, 70%, 30%, 0%).

- When powered by the AC adapter, press the "SNOOZE/LIGHT" button to cycle through brightness levels.
- When operating on batteries only, touch the "SNOOZE" button to activate the backlight for 15 seconds.



Image: Visual representation of the four adjustable backlight brightness levels (100%, 70%, 30%, 0%) for the weather station display.

3. Alarm Clock with Snooze

The weather station includes an atomic clock with an alarm function and a 5-minute snooze feature. Refer to the on-screen menu or dedicated buttons for setting the alarm time and activating snooze.

4. USB Charging Function

A convenient USB output port (5V/1A) is located on the main unit, allowing you to charge your phone or other small devices.



Image: Close-up view of the USB output port on the weather station, illustrating its use for charging a smartphone.

5. Customizable Temperature Alerts

You can set custom temperature alerts for both indoor and outdoor readings. This feature is useful for monitoring specific temperature ranges in different areas of your home, such as a child's room or a greenhouse.

You can customize the temperature alert, which is very important to keep an eye on the comfort level of the child/elderly room. Temperature alert can also be set if any other location has a temperature requirement.



Image: Illustration showing the weather station's alert function, useful for monitoring comfort levels in different rooms, such as a child's bedroom.

MAINTENANCE

- Clean the display and unit surfaces with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- Regularly check the batteries in both the main unit (if using backup) and the outdoor sensor. Replace them when the low battery indicator appears on the display.
- Ensure the outdoor sensor's placement remains optimal, protected from direct harsh weather conditions, to prolong its lifespan.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor temperature/humidity reading.	Sensor out of range, low sensor battery, interference, or sensor not paired.	Move sensor closer to the main unit. Replace sensor batteries. Relocate units away from interfering electronics. Re-pair the sensor by restarting both units.
Inaccurate outdoor temperature.	Direct sunlight exposure on the sensor.	Relocate the sensor to a shaded, North-facing wall.
Display is dim or off.	Power adapter not connected, low main unit batteries, or backlight setting.	Ensure power adapter is securely plugged in. Replace main unit batteries if running on battery power. Adjust backlight brightness using the "SNOOZE/LIGHT" button.
Inaccurate weather forecast.	Unit still calibrating or local atmospheric conditions.	Allow 7-10 days for initial barometric pressure calibration. Forecasts are based on local pressure changes and may not always match official forecasts.

SPECIFICATIONS

- **Model Number:** Q3-BLACK-CA
- **Product Dimensions:** 2.7 x 20.2 x 12.7 cm; 350 g

- **Power Source (Main Unit):** AC Adapter (included), 2 x AA batteries (backup, not included)
- **Power Source (Outdoor Sensor):** 2 x AA batteries (not included)
- **Wireless Range:** Up to 100m / 328ft (in open areas)
- **Display:** 7.5-inch HD Color Screen with 4-level adjustable backlight
- **Features:** Indoor/Outdoor Temperature & Humidity, Weather Forecast, Moon Phase, Barometric Pressure, Alarm Clock with Snooze, USB Output Port (5V/1A), Customizable Alerts.
- **Sensor Waterproof Rating:** IPX4
- **Manufacturer:** Newentor
- **Country of Origin:** China

WARRANTY AND SUPPORT

Newentor products are designed for reliability and performance. For warranty information, technical support, or customer service inquiries, please refer to the contact information provided with your purchase or visit the official Newentor website. Keep your purchase receipt as proof of purchase for warranty claims.

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