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## Geevon VA8665-RCC

# Geevon Weather Station User Manual

MODEL: VA8665-RCC

## 1. Introduction

Thank you for choosing the Geevon Wireless Indoor Outdoor Weather Station. This manual provides detailed instructions for setting up, operating, and maintaining your device. Please read it thoroughly before use to ensure optimal performance and longevity of your weather station.

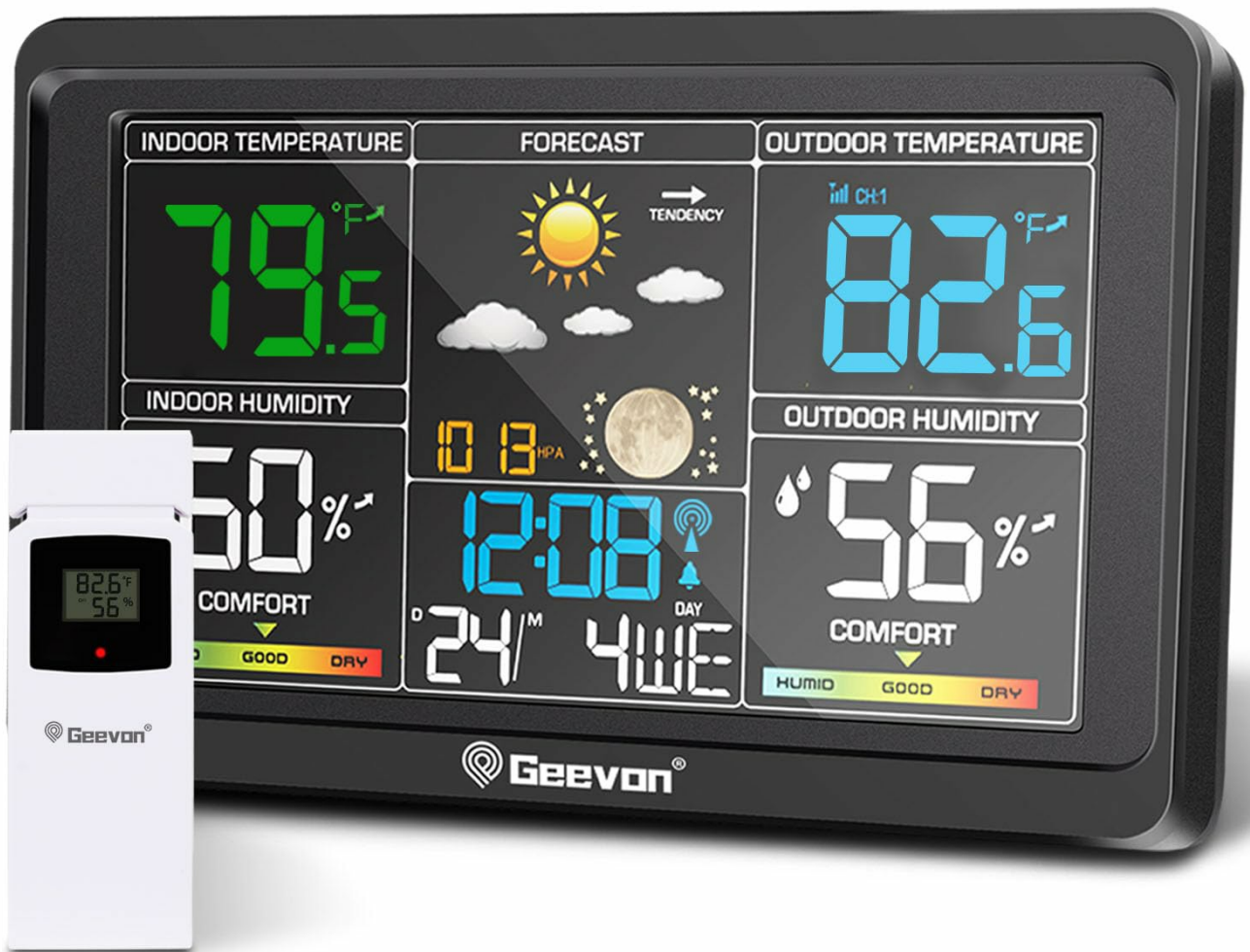


Figure 1.1: Geevon Weather Station main display unit and accompanying wireless outdoor sensor.

## 2. Package Contents

- Geevon Weather Station Main Unit
- Wireless Outdoor Sensor (1 included, supports up to 3)
- AC Power Adapter
- User Manual (this document)

## 3. Product Features

- **Large 7.5-inch Color HD Display:** Provides a 350° wide viewing angle for easy readability of all information.
- **Indoor/Outdoor Temperature & Humidity:** Displays current readings with tendency arrows, max/min values, and customizable high/low alerts.
- **Weather Forecast:** Predicts weather for the next 12-24 hours.
- **Comfort Indicator:** Shows indoor comfort levels.
- **Barometric Pressure:** Displays current atmospheric pressure.

- **Moon Phases:** Indicates the current lunar phase.
- **Atomic Clock with Snooze:** Automatically syncs with WWVB radio signal for precise time and includes a snooze function.
- **Calendar & Time:** Displays date and time.
- **USB Charging Port:** Allows charging of mobile devices directly from the weather station.
- **Adjustable Backlight:** 3-level brightness adjustment for optimal viewing in various lighting conditions.
- **Multi-Channel Support:** Connects with up to 3 remote sensors (one included) within a 200ft/60m transmission range.
- **Dual Power Modes:** Operates via AC power adapter or 3 AAA batteries (not included).



Figure 3.1: Overview of the multi-functional display and dimensions of the Geevon Weather Station.

## 4. Setup

### 4.1 Powering the Main Unit

The main unit can be powered by the included AC power adapter or by 3 AAA batteries (not included).

- **AC Power:** For continuous backlight and optimal performance, plug the AC power adapter into the DC 5V port on the back of the main unit and then into a wall outlet. The backlight will remain on with adjustable brightness.
- **Battery Power:** For portable use or as a backup, insert 3 AAA batteries into the battery compartment on the back of the unit. When operating on batteries, the backlight will turn off after 10 seconds to conserve power. Press the SNZ/LIGHT button to temporarily illuminate the display.



Figure 4.1: Powering options for the main unit: AC adapter (left) and AAA batteries (right).

## 4.2 Installing the Wireless Outdoor Sensor

The wireless outdoor sensor requires 2 AA batteries (not included). Ensure the batteries are inserted with correct polarity. The sensor is splash-proof (IPX4), but for best results and longevity, place it in a sheltered location, such as under an eave, away from direct sunlight and heavy rain.

The sensor will automatically connect to the main unit. If connection is not established, press the 'CH' button on the main unit to cycle through channels or initiate a search for the sensor.

# Up to 3 Channels with 200Ft Transmission in An Open Area

Package includes 1 sensor only



Figure 4.2: The weather station supports up to 3 remote sensors, allowing monitoring in various locations like a garden or garage.

## 4.3 Atomic Clock (WWVB) Setup

The weather station features a WWVB atomic clock that automatically synchronizes with the official US time signal for precise accuracy. Upon initial power-up or after a power outage, the clock will attempt to receive the WWVB signal. This process may take several hours, especially overnight.

- Ensure the main unit is placed away from large metal objects or electronic devices that may interfere with the signal.
- Set your desired time zone (AST, EST, CST, MST, PST, AKST, HST) on the main unit. The clock will automatically adjust for Daylight Saving Time (DST).

# Atomic Clock with WWVB Signal

Automatically Set and Update by Sync with WWVB



Figure 4.3: The atomic clock automatically sets and updates by syncing with the WWVB signal.

## 4.4 Placement of the Main Unit

The main unit can be placed on a desk or mounted on a wall.

- **Desk Placement:** Use the built-in stand bracket to place the unit on any flat surface, such as a bedside table or office desk.
- **Wall Mount:** Utilize the hanging hole on the back of the unit to mount it securely on a wall.



Figure 4.4: The weather station can be conveniently placed on a desk or mounted on a wall.

## 5. Operating Instructions

### 5.1 Understanding the Display

The 7.5-inch color HD display provides a comprehensive overview of weather and time information. Its 350° wide viewing angle ensures digits are easy to read even from a distance.

# Upgraded Color HD Display with 350° Wide View Angle

Easy to read the digits even from a distance



Figure 5.1: The upgraded color HD display offers a wide viewing angle for superior readability.

## 5.2 Temperature and Humidity Measurement

The weather station displays indoor and outdoor temperature and humidity. You can switch between Celsius (°C) and Fahrenheit (°F) by inserting a needle into the small hole on the back of the outdoor sensor.

# Weather Clock with USB Port

The USB output helps charge your phone



Charge Your Devices



Alarm Clock



Figure 5.2: The device offers a wide measuring range with high accuracy, and temperature units are switchable.

## 5.3 Using the USB Charging Port

An integrated USB charging port is located on the side of the main unit. This port can be used to charge your mobile phones, tablets, or other electronic devices, providing convenience and reducing clutter.

# Wide Measuring Range with High Accuracy

°C/Switchable



Figure 5.3: The weather station includes a USB output interface for charging your devices.

## 5.4 Alarm Clock and Snooze Function

The weather station functions as an alarm clock with a snooze feature. Set your desired alarm time. When the alarm sounds, press the 'SNZ/LIGHT' button to activate the snooze function, providing an additional 5 minutes of sleep.

## 5.5 Adjusting Backlight Brightness

When powered by the AC adapter, the display backlight can be adjusted to 3 different levels of brightness to suit your preference and ambient lighting conditions. Refer to the specific buttons on your device for brightness control (usually labeled 'LIGHT' or similar).

## 6. Maintenance

- **Cleaning:** Wipe the display and unit surfaces with a soft, dry cloth. Avoid using abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit and the outdoor sensor when the low battery indicator appears on the display. Ensure correct polarity.

- **Sensor Placement:** Periodically check the outdoor sensor's placement to ensure it remains sheltered from direct elements and has clear transmission to the main unit.

## 7. Troubleshooting

Problem	Possible Cause	Solution
No display on main unit	No power or dead batteries.	Ensure AC adapter is properly connected or replace AAA batteries.
Outdoor temperature/humidity not displayed or inaccurate	Sensor out of range, dead batteries in sensor, or interference.	Move sensor closer to main unit (within 200ft/60m). Replace AA batteries in sensor. Relocate main unit or sensor away from electronic interference. Press 'CH' button on main unit to re-sync.
Atomic clock not syncing	Weak WWVB signal or interference.	Place the main unit near a window, away from electronic devices. Allow up to 24 hours for initial sync, especially overnight. Ensure correct time zone is selected.
Backlight not staying on	Unit is running on battery power.	Connect the AC power adapter for continuous backlight. When on batteries, backlight is temporary to save power.

## 8. Specifications

- **Model Number:** VA8665-RCC
- **Product Dimensions:** 2.54 x 19.81 x 12.7 cm; 453.59 g
- **Main Unit Power:** AC Power Adapter (included) or 3 x AAA batteries (not included)
- **Outdoor Sensor Power:** 2 x AA batteries (not included)
- **Indoor Temperature Range:** 32°F~122°F (0°C~50°C)
- **Outdoor Temperature Range:** -40°F~140°F (-40°C~60°C)
- **Temperature Accuracy:** +/- 2°F
- **Wireless Transmission Range:** 200ft/60m (open area)
- **Material:** Plastic
- **Special Features:** Adjustable Brightness, USB Charging Port, Atomic Clock (WWVB)

## 9. Warranty and Support

Geevon offers a **30-day money-back guarantee** and a **12-month warranty** for this product. We also provide **lifetime consulting services** to assist you with any questions or issues you may encounter.

For support, please refer to the contact information provided with your purchase or visit the official Geevon website.

