Geevon 86146-VA

Geevon Weather Station User Manual

Model: 86146-VA
Brand: Geevon

1. Product Overview

The Geevon Weather Station is a multi-functional device designed to monitor indoor and outdoor temperature and humidity. It features a vibrant color display, dual alarm clocks, weather forecasting capabilities, barometric pressure readings, and a comfort indicator. With its wireless sensors, it provides comprehensive environmental data for your home or office.



Image: The main Geevon Weather Station display unit shown with three remote wireless sensors.

2. What's in the Box

- 1 x Main Weather Station Display Unit
- 3 x Wireless Remote Sensors
- 1 x AC Power Adapter
- 1 x User Manual

3. Product Features

- **Multi-functional Display:** Shows indoor/outdoor temperature and humidity, time, date, weather forecast, barometric pressure, comfort level, and min/max records.
- **Color HD Display:** Large 7.6-inch LCD screen with 350° wide viewing angles for clear readability.
- **Multiple Sensors:** Includes three remote sensors to monitor up to four locations simultaneously (one main unit, three remote).
- **Extended Range:** Wireless transmission range of up to 200 feet (60 meters) in open air.
- **Dual Power Modes:** Can be powered by the included AC adapter for continuous backlight, or by 3 AAA batteries (not included) for portable use with a 15-second backlight.
- **Adjustable Backlight:** 5-level brightness adjustment when powered by AC adapter.
- **USB Charging Port:** Integrated USB port for charging mobile phones, tablets, and other electronic devices.
- **Dual Alarms & Snooze:** Set two separate alarms with an 8-minute snooze function.
- **Manual Weather Forecast:** Allows manual setting of weather icons (sunny, lightly cloudy, cloudy, rainy, heavy

rainy, snowy).

- **Flexible Placement:** Main unit and sensors can be wall-mounted or placed on a tabletop.



Image: Overview of the weather station's features and dimensions, highlighting its large color touch screen, indoor/outdoor temperature and humidity monitoring, weather forecast, time & calendar, barometric pressure, dual alarm clocks, and max/min records.

4. Setup Guide

4.1 Powering the Main Unit

1. Insert 3 AAA batteries (not included) into the battery compartment on the back of the main unit. Ensure correct polarity (+/-).
2. For continuous backlight and full functionality, connect the included AC power adapter to the DC IN port on the back of the main unit and plug it into a standard electrical outlet.



Image: Demonstrates the two power modes: AC adapter for continuous backlight and 3 AAA batteries for portable use with a 15-second backlight.

4.2 Setting up Remote Sensors

1. Open the battery compartment on each remote sensor.
2. Insert 2 AA batteries (not included) into each sensor, observing polarity.
3. Close the battery compartment securely.
4. To switch between Celsius and Fahrenheit on the sensor, use a needle or small pointed object to press the C/F switch located inside the battery compartment.



Image: Close-up of a remote sensor showing the battery compartment and the small hole for the C/F switch, with an arrow indicating where to insert a needle to change temperature units.

4.3 Initial Synchronization

Place the main unit and all remote sensors close to each other during initial setup. The main unit will automatically search for and connect to the sensors. This process may take a few minutes. Once connected, the outdoor temperature and humidity readings will appear on the main display.

Image: Diagram illustrating the wireless transmission range of the weather station to three remote sensors placed in different rooms, such as a living room, kitchen, and bedroom.

5. Operating Instructions

5.1 Time and Date Setting

Refer to the user manual for specific button presses to enter time and date setting mode. Typically, a "SET" or "MODE" button is used to cycle through settings (Year, Month, Day, Hour, Minute) and arrow buttons to adjust values.

5.2 Alarm Settings

The weather station supports dual alarms. Press the "ALARM" button to view or set Alarm 1 and Alarm 2. Use the adjustment buttons to set the desired alarm times. The snooze function provides an 8-minute delay.



Image: Illustrates the dual alarm clock and snooze function, showing the weather station on a bedside table with a person sleeping and then waking up after the snooze.

5.3 Weather Forecast Setting

The weather station provides a manually calibrated weather forecast. You can set the weather icon to reflect current or expected conditions (sunny, lightly cloudy, cloudy, rainy, heavy rainy, snowy). The device uses barometric pressure changes to predict weather trends, but manual adjustment allows for greater accuracy based on local observations.



Image: Displays the weather station with various weather forecast icons (Sunny, Slightly cloudy, Cloudy, Rainy, Heavy Rainy, Snowy) and a note about manual calibration.

5.4 Temperature/Humidity Display

The main unit displays indoor temperature and humidity, along with readings from the three remote sensors. You can switch between Celsius (°C) and Fahrenheit (°F) display units on the main unit by pressing the designated button (usually labeled C/F or similar).

5.5 Minimum/Maximum Records

The weather station automatically records the minimum and maximum temperature and humidity values over the past 24 hours. Press the "MAX/MIN" button to view these records. Press again to clear them.

Image: A graphical representation showing the display and storage of the past 24 hours' maximum and minimum temperature and humidity records.

5.6 Backlight Adjustment

When the main unit is powered by the AC adapter, the backlight can be adjusted to 5 different levels (OFF, DIM, LOW, SLIGHTLY LOW, HIGH). Use the "LIGHT" or "SNZ/LIGHT" button to cycle through the brightness levels.

Image: Shows the weather station display at various backlight brightness levels, from off to 100%, demonstrating the 5-level adjustment feature.

5.7 USB Charging Function

The main unit includes a USB port (Output Voltage: 5V/1A) that can be used to charge small electronic devices like smartphones or tablets. Ensure the weather station is connected to the AC power adapter for this function.



Image: The weather station on a nightstand, with a smartphone connected to its USB port for charging, illustrating the USB charging function.

6. Placement

Both the main unit and the remote sensors offer flexible placement options. They can be placed on a tabletop using their integrated stands or mounted on a wall using the keyhole slots on the back.

- **Main Unit:** Ideal for living rooms, bedrooms, kitchens, or offices where you want to easily view the display.
- **Remote Sensors:** Suitable for children's rooms, gardens, greenhouses, backyards, garages, basements, or any other location where you need to monitor temperature and humidity. Ensure sensors are placed within the 200ft/60m transmission range and away from direct sunlight or extreme weather conditions for accurate readings.



Image: Demonstrates the two ways to place the weather station: as a wall clock using its mounting hole or as a desk clock using its integrated stand.

7. Maintenance

- Clean the display and unit with a soft, dry cloth. Avoid abrasive cleaners or solvents.
- Replace batteries in both the main unit and remote sensors when the low battery indicator appears on the display to

ensure continuous operation and accurate readings.

- Ensure remote sensors are protected from direct rain and snow, even though they are designed for outdoor use.

8. Troubleshooting

Problem	Possible Cause	Solution
No display on main unit.	No power, incorrect battery installation, or dead batteries.	Check AC adapter connection. Ensure batteries are inserted correctly with correct polarity. Replace batteries if necessary.
Outdoor readings not displayed or inaccurate.	Sensor out of range, low sensor battery, interference, or sensor not synchronized.	Move sensor closer to the main unit. Replace sensor batteries. Avoid placing near large metal objects or electronics. Re-synchronize by removing batteries from both units, then reinserting batteries into the sensor first, then the main unit.
Time is incorrect.	Time not set manually or time signal not received (if applicable).	Manually set the time and date as per section 5.1.
Backlight not staying on.	Unit is running on battery power only.	Connect the AC power adapter for continuous backlight.

9. Specifications

- **Model Number:** 86146-VA
- **Product Dimensions:** 1.2 x 5.5 x 7.8 inches
- **Weight:** 1.32 Pounds
- **Main Unit Power:** AC Adapter (included) or 3 x AAA Batteries (not included)
- **Remote Sensor Power:** 2 x AA Batteries (not included) per sensor
- **Transmission Range:** Up to 200 feet (60 meters) in open air
- **Display Type:** Color LCD
- **Special Features:** Large Display, Alarm, Fast Reading System, Clock, High Accuracy, USB Charging Port
- **Material:** Plastic, Acrylonitrile Butadiene Styrene (ABS)

10. Warranty and Support

Geevon products come with a 30-day free return and exchange policy, a 1-year warranty, and lifetime after-sales consulting services. For any questions, issues, or support needs, please contact Geevon customer service through the retailer's platform or the official Geevon website.

For further assistance, you may also refer to the officialUser Manual (PDF).

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