Geevon 86122

Geevon Wireless Weather Station User Manual

Model: 86122

1. Introduction

Thank you for choosing the Geevon Wireless Weather Station. This manual provides detailed instructions for setting up, operating, and maintaining your weather station to ensure accurate and reliable weather data. Please read this manual thoroughly before use and keep it for future reference.

2. Safety Information

- Do not expose the main unit or sensor to extreme temperatures, direct sunlight, or excessive moisture.
- Avoid dropping or subjecting the device to strong impacts.
- Do not attempt to disassemble or repair the unit yourself. Contact customer support for assistance.
- Use only the specified power adapter and battery types.
- Keep out of reach of children.

3. Package Contents

Verify that all items are present in the package:

- 1 x Geevon Weather Station (Main Unit)
- 1 x Outdoor Sensor
- 1 x Power Adapter
- 1 x Instruction Manual (this document)

4. Product Overview

The Geevon Wireless Weather Station provides comprehensive weather data including indoor/outdoor temperature and humidity, weather forecasts, barometric pressure, moon phase, and tide information. It also features an atomic clock and dual alarms.



Figure 4.1: Geevon Wireless Weather Station Main Unit and Outdoor Sensor. The main unit displays various weather parameters, while the outdoor sensor transmits external data. A smartphone is shown charging via the station's USB port.

4.1 Main Unit Display Layout



Figure 4.2: The main unit's color display, highlighting sections for outdoor temperature & humidity, indoor temperature & humidity, weather forecast, moon phase & tide, time & date, and barometric pressure.

4.2 Key Features

- Large, easy-to-read color LCD display.
- Wireless outdoor sensor with up to 100m (328ft) transmission range in open areas.
- Measures indoor and outdoor temperature and humidity.
- DCF radio-controlled atomic clock for precise time synchronization.
- Weather forecast with various icons (sunny, partly cloudy, cloudy, rainy, snowy).
- Barometric pressure display and history.
- Moon phase and tide display.
- Dual alarms with customizable snooze (5-60 minutes).
- USB charging port for external devices.

5. Setup

5.1 Powering the Main Unit and Sensor

1. Insert 3 AAA batteries (not included) into the outdoor sensor, observing polarity.
2. Connect the power adapter to the main unit and plug it into a power outlet. The display will light up.
3. **Important Note:** For initial setup and accurate readings, place the main unit and the outdoor sensor side-by-side for at least 1 hour. This allows them to synchronize and stabilize temperature/humidity readings. Allow a few days for the weather station to learn and provide more accurate forecasts.

5.2 Sensor Placement and Channel Selection

The weather station supports up to 3 outdoor sensors (one included). Ensure the sensor is placed in a shaded, dry location away from direct sunlight and rain for accurate temperature readings.



Figure 5.1: The weather station supports up to three wireless channels for outdoor sensors, allowing monitoring of different locations. The image illustrates the wireless transmission range and how to select channels.

1. On the outdoor sensor, select a channel (1, 2, or 3) using the channel switch.
2. On the main unit, press the "CHANNEL" or "DOWN" button (refer to button layout in section 4.1) to cycle through channels or select a specific channel to pair with your sensor. The main unit will automatically search for the sensor signal.

5.3 Mounting Options

The main unit can be placed on a tabletop using its integrated stand or mounted on a wall.



Figure 5.2: The main unit offers versatile placement options, including a built-in tabletop stand and a keyhole for wall mounting.

6. Operating Instructions

6.1 Time and Date Setting (Atomic Clock)

The weather station features a DCF radio-controlled atomic clock that automatically synchronizes with the atomic time signal for precise timekeeping. This function is primarily for regions that receive the WWVB signal (e.g., parts of Europe for DCF, North America for WWVB).

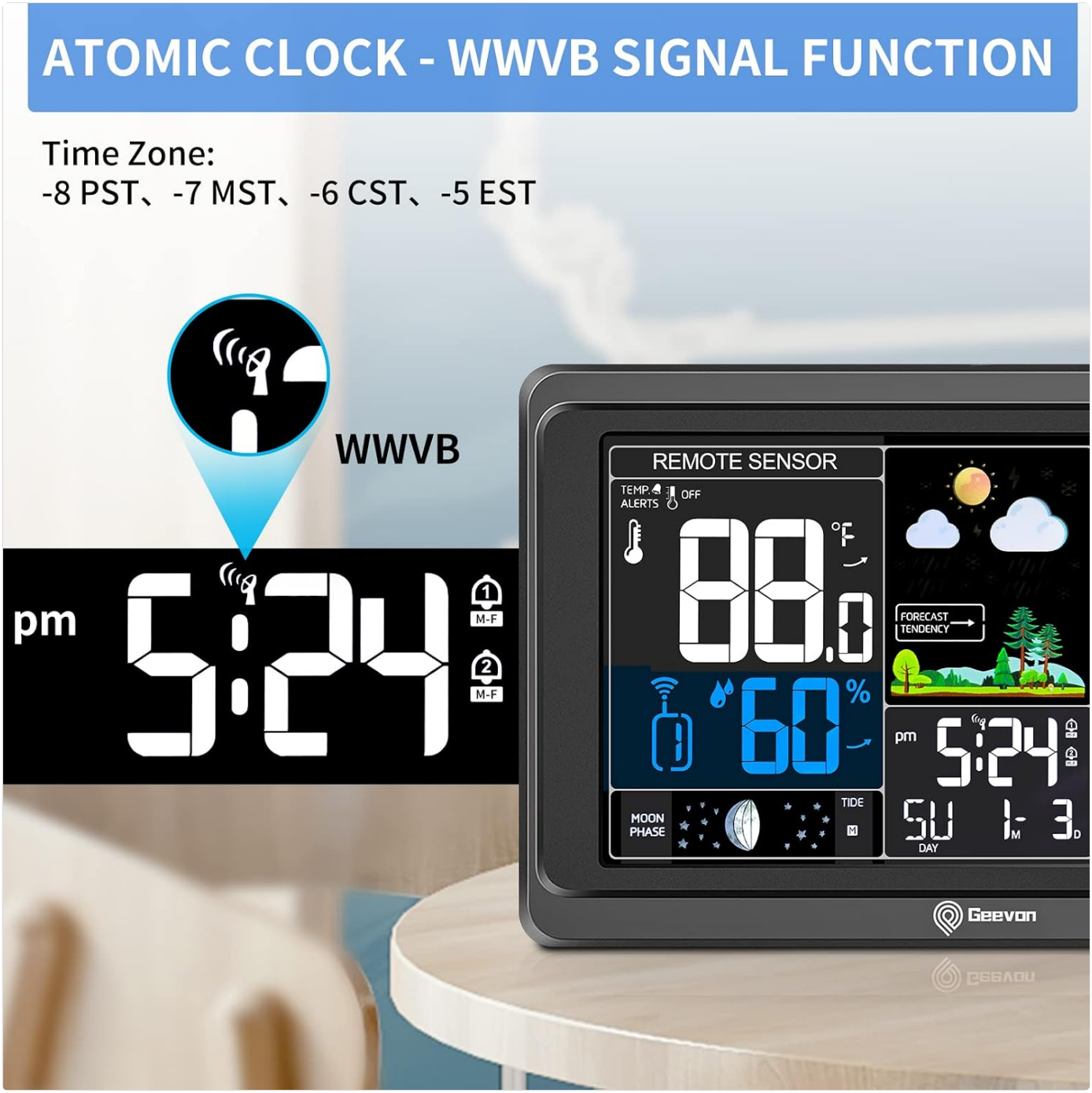


Figure 6.1: The weather station's atomic clock function, which automatically sets the time via radio signal (e.g., WWVB in North America, DCF in Europe). Time zones are adjustable.

If the signal is weak or unavailable, you can manually set the time and date. Refer to the specific button functions on your device (usually a "SET" or "MODE" button) to enter time setting mode.

6.2 Alarm Settings

The weather station includes dual alarms, allowing you to set two separate wake-up times with a customizable snooze function.



Figure 6.2: The weather station offers dual alarms with a snooze duration adjustable from 5 to 60 minutes, providing flexibility for daily routines.

1. Press the "ALARM" button to view or set Alarm 1. Press again for Alarm 2.
2. While viewing an alarm, press and hold "ALARM" to enter setting mode. Use "UP" and "DOWN" buttons to adjust hours and minutes.
3. Press "ALARM" to confirm each setting.
4. To activate/deactivate an alarm, press the "ALARM" button repeatedly until the alarm icon appears/disappears.
5. To set snooze duration, enter alarm setting mode and adjust the snooze time.

6.3 Understanding Weather Forecast Icons

The weather station predicts weather conditions for the next 12-24 hours based on barometric pressure changes. The forecast icons are:



Figure 6.3: Visual representations of various weather conditions displayed on the station, including sunny, partly cloudy, cloudy, rainy, stormy, and snowy.

- **Sunny:** Clear skies.
- **Partly Cloudy:** Some clouds, but mostly clear.
- **Cloudy:** Overcast skies.
- **Rainy:** Precipitation expected.
- **Stormy:** Thunderstorms or heavy rain.
- **Snowy:** Snowfall expected.

6.4 Comfort Level Indicator

The display shows a comfort level indicator based on indoor temperature and humidity, helping you maintain an optimal indoor environment.



Figure 6.4: The comfort indicator provides a quick visual cue for indoor conditions: "Nass" (Wet), "Gemütlich" (Comfortable), and "Trocken" (Dry).

7. Maintenance

- Clean the display and unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Replace batteries in the outdoor sensor annually or when the low battery indicator appears.
- Ensure the outdoor sensor is free from debris and obstructions.

8. Troubleshooting

Problem	Possible Cause	Solution
No display on main unit.	Power adapter not connected or faulty.	Check power connection. Try a different outlet.
Outdoor temperature/humidity not displayed or inaccurate.	Sensor out of range, low battery, or interference.	Ensure sensor is within 100m of main unit. Replace sensor batteries. Relocate sensor or main unit to reduce interference. Re-synchronize sensor by pressing the "CHANNEL" button on the main unit.
Atomic clock not synchronizing.	Weak signal, interference, or incorrect time zone.	Place unit near a window. Avoid electronic devices that may cause interference. Manually set time if automatic synchronization fails.
Inaccurate weather forecast.	Weather station still learning, or rapid pressure changes.	Allow a few days for the station to calibrate. Forecasts are based on barometric pressure trends, not real-time conditions.



Figure 8.1: The weather station features a reset function and clock control, which can be used to resolve certain operational issues or re-initiate time synchronization.

9. Specifications

Parameter	Detail
Model Number	86122
Main Unit Dimensions	12.5 x 3 x 19.8 cm (4.9 x 1.18 x 7.8 inches)
Weight	500 g
Power Source (Main Unit)	Electric Cable (Power Adapter)
Batteries (Outdoor Sensor)	3 x AAA (not included)
Connectivity Technology	Wireless, USB
Wireless Transmission Range	Up to 100m (328ft) in open area

Parameter	Detail
Material	Acrylonitrile Butadiene Styrene (ABS), Metal, Plastic
Color	Black
Special Features	Wireless, DCF Radio-Controlled Clock, USB Charging Port, Dual Alarms



Figure 9.1: Detailed dimensions of the Geevon Weather Station main unit (7.8in x 4.9in x 1.18in) and its outdoor sensor (1.57in x 4.72in x 0.98in).

10. Warranty and Support

Geevon products are designed for reliability and performance. For any questions, technical support, or warranty claims, please contact Geevon customer service. Our customer service team is always available to assist you.

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

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