FOKEY Z2-1

FOKEY Wireless Indoor/Outdoor Weather Station with Digital Atomic Clock, Model Z2-1 User Manual

Model: Z2-1 | Brand: FOKEY

Introduction

Thank you for choosing the FOKEY Wireless Indoor/Outdoor Weather Station. This device provides accurate, real-time information on indoor and outdoor temperature, humidity, barometric pressure, and includes a digital atomic clock with automatic time synchronization. Designed for clear readability and ease of use, this manual will guide you through the setup, operation, and maintenance of your new weather station.

Package Contents

- Weather Station Main Unit
- Wireless Outdoor Sensor
- Power Adapter
- User Manual (this document)

Key Features

- **Top Visual Clarity:** 7.6-inch VA display with rich color contrast and 170° wide-view technology for effortless indoor/outdoor monitoring.
- **Laboratory-Grade Precision:** Equipped with a professional anti-thermal distortion chip, achieving a thermometer error margin of just 0.48°F.
- **Effortless Time Sync:** Multi-time zone (HAT/AKT/PST/MST/CST/EST/AST) atomic clock automatically aligns with WWVB signals daily, ensuring precise timekeeping without manual adjustments.
- **Whole-Property Weather Monitor:** Offers a maximum wireless range of 328 feet (100 meters) in open areas for stable connectivity between the main unit and up to 3 sensors.
- **Big-Screen Remote Sensor:** The upgraded remote sensor features a large digital screen for direct readings and a self-draining design for all-weather durability.

Setup Guide

1. Powering the Main Unit

The main weather station unit can be powered by the included DC power adapter or by 3 AA batteries (not included) for backup. For continuous display and optimal performance, it is recommended to use the DC power adapter.



Image: The main unit connected to the DC power adapter (1) and showing the battery compartment for optional AA battery backup (2).

1. Connect the power adapter to the DC port on the back of the main unit.
2. Plug the power adapter into a standard electrical outlet.
3. (Optional) Insert 3 AA batteries into the battery compartment for power backup during outages.

2. Installing Batteries in the Wireless Outdoor Sensor

The wireless outdoor sensor requires batteries (not included) to operate.

1. Open the battery compartment on the back of the wireless outdoor sensor.
2. Insert 2 AA or AAA batteries (check sensor for specific type) according to the polarity markings.
3. Close the battery compartment securely.

3. Pairing the Sensor with the Main Unit

The main unit and sensor should automatically pair upon initial power-up. If pairing does not occur automatically:

1. Ensure both the main unit and sensor have power.
2. On the main unit, press and hold the "CH" or "Search" button (refer to the back panel for exact button location) to initiate a manual search for the outdoor sensor.
3. The main unit will display outdoor temperature and humidity once connected.



Image: The FOKEY Weather Station main unit displaying data from multiple remote sensors (CH1, CH2, CH3) placed in various locations like a bedroom, living room, and kitchen. The image also shows buttons for selecting channels and cycling through modes.

The weather station supports up to 3 wireless outdoor sensors. To add additional sensors, repeat the pairing process and use the "CH" button to switch between channels.

4. Placement of the Outdoor Sensor

For accurate readings, place the wireless outdoor sensor in a shaded area, protected from direct sunlight and rain. The maximum wireless transmission range is 328 feet (100 meters) in open areas.

The remote sensor features a self-draining design for enhanced durability in various weather conditions.

5. Positioning the Main Unit

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



Image: The FOKEY Weather Station main unit demonstrating both wall-mount and tabletop stand options for flexible placement.

Operating Instructions

Display Overview



Image: The FOKEY Weather Station main unit showing its comprehensive display, including time, date, moon phase, barometric pressure, outdoor temperature and humidity, indoor temperature and humidity, and a 12-24 hour weather forecast. The remote sensor is also visible.

The 7.6-inch VA display provides a clear overview of all essential weather data:

- **Time and Date:** Automatically synchronized via WWVB atomic clock signal.
- **Moon Phase:** Displays the current moon phase.
- **Barometric Pressure:** Shows current atmospheric pressure and historical trend.
- **Outdoor Temperature & Humidity:** Readings from the wireless outdoor sensor.
- **Indoor Temperature & Humidity:** Readings from the main unit's internal sensors.
- **Weather Forecast:** 12-24 hour forecast based on barometric pressure changes.
- **Max/Min Records:** Displays daily maximum and minimum temperature and humidity.

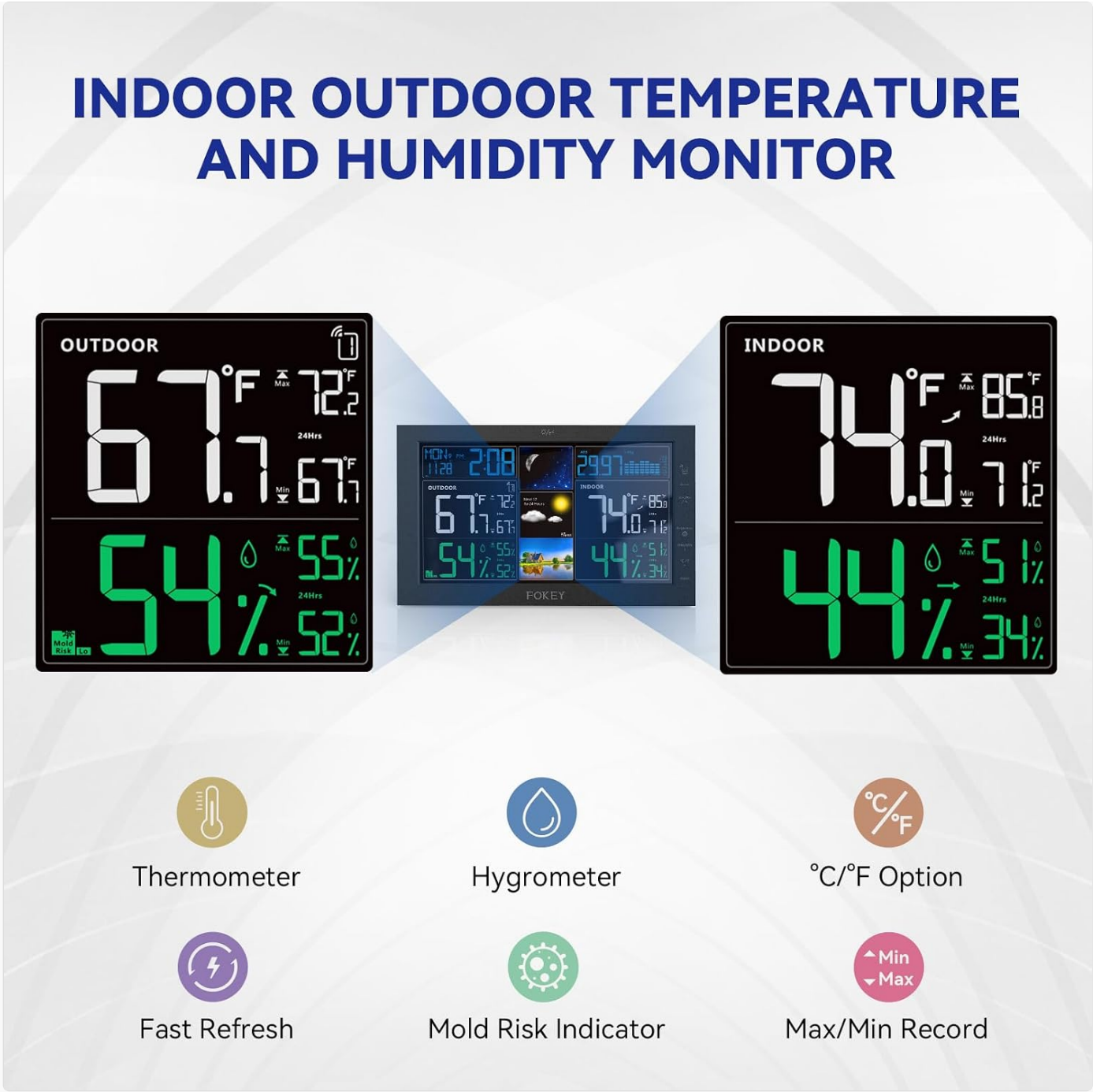


Image: A close-up of the FOKEY Weather Station display highlighting the indoor and outdoor temperature and humidity sections, along with icons for thermometer, hygrometer, °C/°F option, fast refresh, mold risk indicator, and Max/Min record.

Adjusting Display Brightness

When powered by the DC adapter, the display brightness is adjustable (High-Low-Off). In battery-only mode, the screen will light up for 8 seconds by pressing any button to conserve power.

Time Synchronization (Atomic Clock)

The device automatically searches for the WWVB signal at 1 AM, 2 AM, and 3 AM daily, or after rebooting. The screen will turn dark with the RCC icon flashing for about 7 minutes during the search. Press the "-" button to exit the search mode if needed.



Image: An illustration showing the FOKEY Weather Station's ability to synchronize time with the WWVB signal, highlighting automatic time setting and DST adjustment across different time zones (e.g., MST to EST).

The atomic clock feature ensures accurate timekeeping and automatic adjustment for Daylight Saving Time (DST) across multiple time zones (HAT/AKT/PST/MST/CST/EST/AST).

Viewing Angle



Image: The FOKEY Weather Station display shown from various angles, illustrating its wide-angle visibility, high contrast, large numbers, and color-coded display for better readability.

The advanced LCD with 170° wide-view technology ensures razor-sharp legibility from various angles, making it easy to read from across a room.

Maintenance

- **Cleaning:** Wipe the display and unit with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in the outdoor sensor and main unit (if using backup) when the low battery indicator appears on the display.
- **Sensor Placement:** Periodically check the outdoor sensor's placement to ensure it remains in a shaded, protected location for accurate readings.

Troubleshooting

Problem	Possible Cause	Solution
No outdoor temperature/humidity reading.	Sensor not paired, out of range, or low battery.	Ensure sensor batteries are fresh. Move sensor closer to the main unit. Press and hold the "CH" or "Search" button on the main unit to re-pair.
Incorrect time displayed.	WWVB signal not received or incorrect time zone setting.	Ensure the main unit is in an area with good signal reception. Allow up to 24 hours for automatic synchronization. Manually set time zone if necessary (refer to specific button instructions on the back of the unit).
Display is dim or off (battery mode).	Energy-saving mode activated.	Press any button to temporarily light up the screen for 8 seconds. For continuous display, use the DC power adapter.

Specifications

- **Model Number:** Z2-1
- **Product Dimensions:** 0.83 x 7.7 x 4.8 inches
- **Weight:** 1.12 Pounds
- **Main Unit Power:** DC Power Adapter (included), 3 AA batteries (not included) for backup
- **Outdoor Sensor Power:** Batteries (not included)
- **Display Type:** 7.6-inch VA LCD with adjustable backlight
- **Connectivity:** Wireless
- **Wireless Range:** Max 328 feet (100 meters) in open areas
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Special Features:** Digital Atomic Clock (WWVB), Multi-Angle Viewable Screen, Max/Min Temp/Humidity Records, Weather Forecast, Moon Phase, Barometric Pressure

Customer Support

If you have any questions or require assistance with your FOKEY Weather Station, please contact our customer service team.

Email: support@fokey.com

Facebook: FokeyOfficial

Please retain your purchase receipt for warranty purposes.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question