KALEVOL PRO01

KALEVOL Weather Station User Manual

Model: PRO01

1. Introduction

Thank you for choosing the KALEVOL Wireless Indoor Outdoor Thermometer Weather Station. This device provides comprehensive weather information including indoor and outdoor temperature and humidity, weather forecasts, atomic clock time, sunrise/sunset times, and tide levels. With its vibrant color display and remote sensors, you can monitor environmental conditions with ease. This manual will guide you through the setup, operation, and maintenance of your new weather station.

2. Product Overview

2.1 Package Contents

- 1 x KALEVOL Weather Station Main Unit
- 3 x Wireless Remote Sensors
- 1 x Power Adapter
- User Manual (this document)

2.2 Key Features

- **Colorful Digital Display:** Easy-to-read display with adjustable brightness.
- **Wireless Indoor & Outdoor Monitoring:** Displays temperature and humidity for up to 4 locations (main unit + 3 remote sensors).
- **Extended Transmission Range:** Up to 200ft/60m wireless transmission.
- **Weather Forecasting:** Predicts weather conditions (sunny, cloudy, rainy, snowy) based on barometric pressure changes.
- **Atomic Clock & Calendar:** Automatically synchronizes time via WWVB radio signal, includes date and moon phase display.
- **Sunrise/Sunset & Tide Level:** Provides local sunrise/sunset times and tide level information for selected cities.
- **Temperature Alerts:** Customizable high/low temperature alarms for indoor and outdoor readings.
- **Comfort Indicator:** Displays comfort levels based on indoor temperature and humidity.
- **Alarm Function:** Integrated alarm clock for daily use.
- **USB Charging Port:** Convenient USB socket for charging mobile devices.
- **Dual Power Modes:** Operates via DC power adapter or 2x AA batteries (not included).

2.3 Product Diagram

Familiarize yourself with the main unit and remote sensors.



Image: The KALEVOL Weather Station main unit with its vibrant color display showing various weather parameters, alongside three wireless remote sensors.



Image: A visual representation of the weather station's dimensions (8.1 inches wide, 5.1 inches high) and icons illustrating its key functions: Sunrise/Sunset, Tide Level, Moon Phase, Air Pressure, Radio-controlled Time Function, Temperature and Humidity, Weather Forecasting Function, and USB Port for Charging Mobile Devices.



Image: An overview of the KALEVOL Multi-functional Weather Pro Station highlighting its features including Temperature and Humidity, Atmospheric Pressure Index, Weather Forecasting Function, Sunrise/Sunset Time & Tide Level, Date and Moon Phase, WWVB Radio Control Time, Daily Alarm, and Two Power Modes.



Image: Close-up view of the weather station's rear, showing the DC power adapter connection and battery compartment. An inset shows the USB socket for charging devices.

3. Setup

3.1 Powering the Main Unit

1. **Option 1 (AC Power):** Connect the provided power adapter to the DC input port on the back of the main unit, then plug it into a standard wall outlet. The display will light up immediately.
2. **Option 2 (Battery Power):** Open the battery compartment on the back of the main unit. Insert 2 x AA batteries (not included), observing the correct polarity (+/-). The display will light up for 15 seconds when a button is pressed. For continuous backlight, AC power is recommended.



Image: Illustration showing the two power modes for the weather station: using the power adapter for continuous operation and using batteries for portable use with a temporary backlight.

3.2 Installing Remote Sensors

1. Open the battery compartment of each remote sensor.
2. Insert 2 x AA batteries (not included) into each sensor, observing the correct polarity (+/-).
3. Select a channel (1, 2, or 3) for each sensor using the channel switch inside the battery compartment. Ensure each sensor is set to a unique channel.
4. Close the battery compartments.
5. Place the remote sensors in desired outdoor or indoor locations within the 200ft/60m transmission range. Avoid direct sunlight and rain for outdoor sensors.



Image: The weather station main unit displaying data, with three remote sensors shown in various indoor and outdoor settings, highlighting the capability of monitoring up to three remote locations with a 200ft/60m transmission range.

3.3 Sensor Pairing

Once batteries are installed in both the main unit and sensors, the main unit will automatically search for and connect to the remote sensors. This process may take a few minutes. Ensure sensors are within range during initial setup. If a sensor does not connect, press the "CH" button on the main unit to cycle through channels or manually re-scan for sensors (refer to the "Operating Instructions" section for specific button functions).

4. Operating Instructions

4.1 Display Overview

The color display is divided into several sections:

- **Left Side:** Outdoor temperature and humidity (from selected remote sensor), MAX/MIN records, ice alert.
- **Middle Top:** Weather forecast icons (sunny, cloudy, rainy, snowy).

- **Middle Bottom:** Current time, date, day of week, moon phase, sunrise/sunset times, city code.
- **Right Side:** Indoor temperature and humidity (from main unit), MAX/MIN records, comfort indicator, barometric pressure trend.



Image: The weather station displaying different weather forecast icons, including sunny, slightly cloudy, cloudy, rainy, heavy rainy, and snowy conditions.

4.2 Setting Time and Date

The weather station features an atomic clock that automatically synchronizes with the WWVB radio signal for accurate timekeeping.

1. Upon initial power-up, the unit will attempt to receive the WWVB signal. This may take several hours, especially in areas with weak signals.
2. To manually set time/date or adjust settings: Press and hold the "SET" button to enter setup mode.
3. Use the "UP" or "DOWN" buttons to adjust values.
4. Press "SET" to confirm and move to the next setting (e.g., 12/24 hour format, time zone, year, month, day, language).
5. Press "MODE" or wait for 15 seconds to exit setup mode.



Image: A person interacting with the weather station, illustrating its radio control time function (WWVB icon visible) and alarm clock capabilities.

4.3 Adjusting Brightness

The display offers 4 levels of brightness.

- When powered by AC adapter, press the "LIGHT" button to cycle through brightness levels (100%, 75%, 50%, 25%, 0%).
- When powered by batteries, the backlight will illuminate for 15 seconds when any button is pressed.

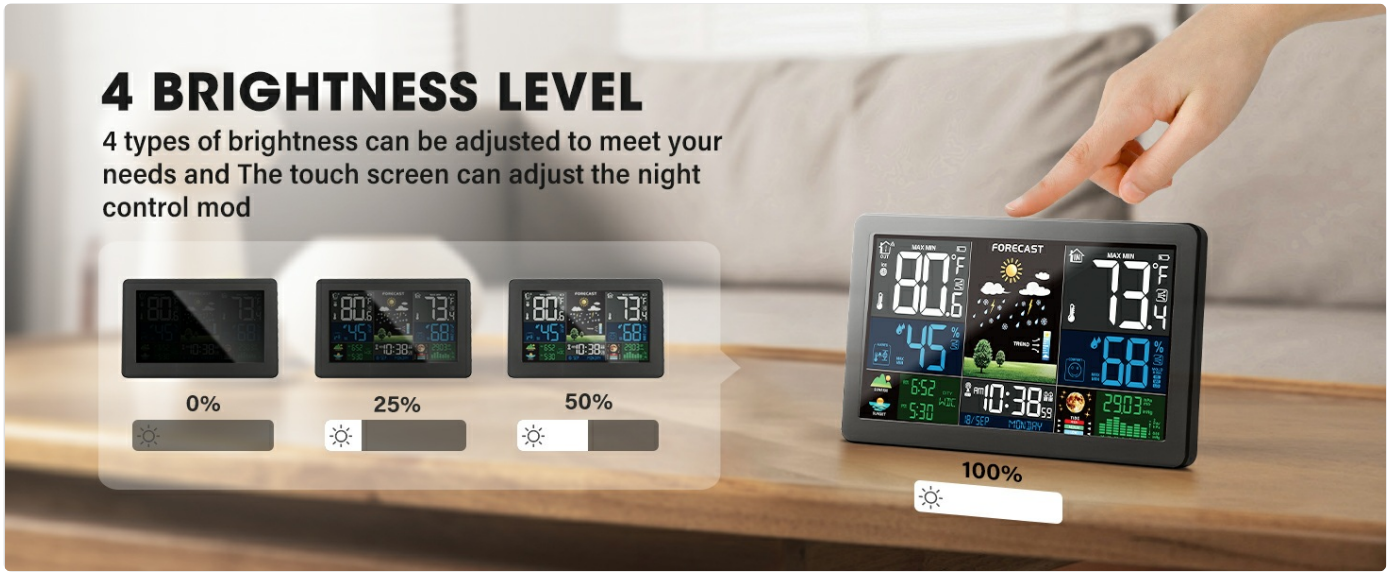


Image: The weather station demonstrating its four adjustable brightness levels (0%, 25%, 50%, 100%) for optimal viewing in various lighting conditions.

4.4 Viewing Remote Sensor Data

Press the "CH" button to cycle through the data from the connected remote sensors (Channel 1, Channel 2, Channel 3). The display will show the temperature and humidity for the selected channel.



Image: The weather station displaying data from multiple channels, illustrating its ability to receive temperature and humidity readings from up to three remote sensors with a 60m/200ft transmission range.

4.5 Sunrise/Sunset Time & Tide Level

The weather station can display sunrise and sunset times, as well as tide levels, based on moon phases and date for a selected city. Refer to the manual's detailed instructions for setting your specific city code to enable this feature.



Image: The weather station displaying sunrise and sunset times, along with tide levels (high, medium, low), with moon phases illustrated in the background, indicating the feature's reliance on lunar data.

4.6 Setting Alarms and Alerts

- **Daily Alarm:** Press the "ALARM" button to view alarm time. Press and hold "ALARM" to set the alarm time. Use "UP/DOWN" to adjust, "ALARM" to confirm.
- **Temperature Alerts:** Press the "ALERT" button to view temperature alert settings. Press and hold "ALERT" to set high/low temperature alerts for indoor or outdoor readings. An audible alarm will sound when the temperature exceeds or falls below the set thresholds.



Image: The weather station displaying an alarm icon, indicating its alarm function which can be used to develop a healthy lifestyle by setting wake-up and sleeping times.

4.7 USB Charging

The weather station includes a USB charging port on the side. Connect your mobile device's USB cable to this port to charge it. Note that this feature requires the main unit to be powered by the AC adapter.



Image: The weather station with a smartphone connected to its USB socket, demonstrating its capability to charge mobile devices.

5. Maintenance

- **Cleaning:** Wipe the main unit and sensors with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main unit and remote sensors when the low battery indicator appears on the display. Always replace all batteries at the same time.
- **Sensor Placement:** For accurate outdoor readings, place remote sensors in a shaded, well-ventilated area, protected from direct sunlight and precipitation. Ensure they are within the specified transmission range.
- **Storage:** If storing the unit for an extended period, remove all batteries to prevent leakage.

6. Troubleshooting

Problem	Possible Cause	Solution
No display on main unit.	No power or dead batteries.	Ensure power adapter is securely connected or replace batteries.
Outdoor temperature/humidity not displayed or incorrect.	Sensor out of range, low sensor battery, incorrect channel, interference.	Move sensor closer to the main unit. Replace sensor batteries. Ensure sensor channel switch matches the selected channel on the main unit. Relocate unit/sensor away from electronic devices that may cause interference. Press the "CH" button on the main unit to re-scan for sensors.
Atomic clock not synchronizing.	Weak WWVB signal, interference, incorrect time zone setting.	Place the main unit near a window, away from electronic devices. Allow up to 24 hours for initial synchronization. Manually set the time zone.
Inaccurate weather forecast.	Weather forecast is a prediction based on barometric pressure changes, not real-time.	The forecast is an estimation. Allow time for the unit to learn local pressure patterns.

For more detailed troubleshooting or specific issues, please refer to the official Instructions for Use (IFU) PDF document available

at: KALEVOL Weather Station IFU PDF.

7. Specifications

Feature	Detail
Model Number	PRO01
Brand	KALEVOL
Package Dimensions	8.7 x 6.02 x 2.91 inches
Item Weight	1.46 Pounds
Power Source (Main Unit)	DC Power Supply (Adapter included), 2 x AA Batteries (not included)
Power Source (Remote Sensor)	2 x AA Batteries (not included)
Connectivity Technology	Radio Frequency (RF)
Transmission Range	Up to 200ft / 60m (open air)
Special Features	Barometer, Thermometer, Hygrometer, Atomic Clock, Sunrise/Sunset, Tide Level, Moon Phase, Alarm, USB Charging Port
Material	Plastic
Color	Black or White
Temperature Accuracy	±1°C

8. Warranty and Support

KALEVOL is committed to providing high-quality products and comprehensive after-sales service. For any questions, concerns, or technical support regarding your weather station, please contact KALEVOL customer service.
Please refer to your purchase documentation or the KALEVOL official website for specific warranty terms and contact information.

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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.

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