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KALEVOL 3378

KALEVOL Weather Station Model 3378 User Manual

Wireless Indoor Outdoor Thermometer with 3 Remote Sensors and Color Display Atomic Clock

1. Introduction

This manual provides detailed instructions for the setup, operation, and maintenance of your KALEVOL Model 3378 Wireless Indoor Outdoor Weather Station. Please read this manual thoroughly before using the device to ensure proper function and longevity.
The KALEVOL Model 3378 Weather Station is designed to monitor indoor and outdoor temperature, humidity, and barometric pressure. It features a color display, atomic clock function, dual alarms, and supports up to three remote sensors to provide comprehensive environmental data for multiple locations.

2. Product Overview

2.1 Package Contents

- 1 x KALEVOL Model 3378 Main Weather Station Unit
- 3 x Wireless Remote Sensors
- 1 x User Manual (this document)

2.2 Key Features

- Large Color LCD Display
- Indoor/Outdoor Temperature and Humidity Monitoring
- Barometric Pressure Display and Trend
- Weather Forecast Function
- WWVB Radio Controlled Atomic Clock with Date and Day of Week
- Dual Alarm with Automatic Snooze Function
- Ice Alert Function
- Low Battery Indicator
- Supports up to 3 Remote Sensors with 200ft (60m) transmission range
- Adjustable Brightness

2.3 Product Components



Image 2.3.1: Main Unit and Remote Sensors. This image displays the KALEVOL weather station's main display unit alongside its three wireless remote sensors. The main unit features a large color screen showing time, indoor/outdoor temperatures, humidity, and weather forecast icons. The three remote sensors are compact, rectangular devices, each with a small display showing temperature and humidity.



Image 2.3.2: Main Unit Dimensions. This image illustrates the main weather station unit with its approximate dimensions: 6.3 inches wide and 4.5 inches high. The display shows various weather data and time.



Image 2.3.3: Remote Sensor Placement. This image demonstrates the versatility of the three remote sensors (CH1, CH2, CH3) by showing them monitoring conditions in different environments: a backyard deck, a baby's room, and a greenhouse. The main unit is also shown displaying data from these channels.

3. Setup

3.1 Powering the Main Unit

1. Open the battery compartment cover on the back of the main unit.
2. Insert 2 x AA batteries (not included) according to the polarity markings (+/-).
3. Close the battery compartment cover. The unit will power on and begin searching for remote sensors and the WWVB atomic clock signal.

3.2 Powering the Remote Sensors

1. Open the battery compartment cover on the back 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 switch inside the battery compartment. Ensure each sensor is set to a unique channel.
4. Close the battery compartment cover. The sensors will immediately begin transmitting data.

3.3 Sensor Placement

- Place remote sensors in desired outdoor or indoor locations within 200 feet (60 meters) of the main unit.
- Avoid direct sunlight and rain for outdoor sensors to ensure accurate readings and prolong battery life.
- Minimize obstructions like thick walls, metal objects, or large electrical appliances between the sensors and the main unit to optimize signal transmission.



Image 3.3.1: Customizing Sensor Labels. This image shows the main unit displaying temperature and humidity data for "INDOOR", "GARAGE", "BABY", and "KITCHEN", indicating that users can customize labels for each sensor channel to clearly identify monitoring areas.

4. Operating Instructions

4.1 Initial Synchronization and Time Setting

Upon initial power-up, the main unit will automatically attempt to synchronize with the WWVB atomic clock signal. This process may take several minutes to a few hours depending on your location and signal strength. Manual time setting is also available.



Image 4.1.1: Time Calibration. This image illustrates both manual and automatic time calibration options for the weather station. The main unit can automatically set the time via radio signal or be adjusted manually.

4.2 Display Information

The color display provides a comprehensive overview of current conditions:

- **Time and Date:** Displays current time (12/24 hour format), day of the week, and calendar.
- **Indoor Temperature & Humidity:** Readings from the main unit's internal sensors.
- **Outdoor Temperature & Humidity:** Readings from the connected remote sensors (Channels 1, 2, 3).

- **Weather Forecast:** Icons indicating predicted weather conditions (sunny, cloudy, rainy, etc.).
- **Barometric Pressure:** Current atmospheric pressure and trend.
- **Comfort Level Indicator:** A visual icon indicating indoor comfort based on temperature and humidity.

4.3 Alarm Settings

The weather station features a dual alarm function:

1. Press the "ALARM" button to enter alarm setting mode.
2. Use the UP/DOWN buttons to adjust the hour and minute.
3. Press "ALARM" again to confirm and set the second alarm, if desired.
4. The snooze function will activate automatically when an alarm sounds.



Image 4.3.1: Dual Alarm Feature. This image highlights the dual alarm functionality, showing the weather station being used for both "Wake up time" and "Sleeping time" settings, promoting a structured daily routine.

4.4 Temperature Unit Selection

To switch between Celsius (°C) and Fahrenheit (°F), locate the °C/°F button, usually on the back or side of the main unit, and press it.

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 the main unit and remote sensors when the low battery indicator appears on the display. Ensure all batteries are replaced simultaneously for optimal performance.
- **Storage:** If storing the device for an extended period, remove all batteries to prevent leakage.
- **Environmental Protection:** Protect outdoor sensors from extreme weather conditions, direct prolonged sunlight, and heavy precipitation.

6. Troubleshooting

Problem	Possible Cause	Solution
No display on main unit.	Batteries are dead or inserted incorrectly.	Check battery polarity and replace with fresh AA batteries.
Remote sensor data not displayed.	• Sensor batteries are dead. • Sensor is out of range. • Interference from other devices. • Incorrect channel selected.	• Replace sensor batteries. • Move sensor closer to the main unit. • Relocate sensor or main unit away from potential interference sources. • Ensure sensor channel matches the main unit's setting for that channel.
Time not synchronizing (Atomic Clock).	• Weak WWVB signal. • Interference. • Incorrect time zone setting (if applicable).	• Place the main unit near a window, facing Colorado (where the WWVB transmitter is located). • Avoid placing near electronic devices that emit strong signals. • Manually set the time if automatic synchronization fails consistently.
Inaccurate temperature/humidity readings.	• Sensor exposed to direct sunlight or heat source. • Sensor placed in a high humidity environment without proper ventilation.	• Relocate sensor to a shaded, well-ventilated area. • Ensure sensors are not directly exposed to elements that can skew readings.

7. Specifications

Feature	Detail
Model Number	3378

Feature	Detail
Brand	KALEVOL
Indoor Temperature Range	32℉ - 122℉ (0℃ - 50℃)
Outdoor Temperature Range	-4℉ - 140℉ (-20℃ - 60℃)
Humidity Range	20%RH - 95%RH
Barometric Pressure Range	17.72inHg - 32.50inHg (600hPa/mb - 1100hPa/mb)
RF Transmitting Frequency	433.92MHz
Transmission Range	Up to 200 feet (60 meters) in open area
Power Source (Main Unit)	2 x AA batteries (not included)
Power Source (Remote Sensors)	2 x AA batteries per sensor (not included)
Material	Acrylonitrile Butadiene Styrene (ABS)
Display Type	Digital LCD Color Display
Dimensions (Main Unit)	Approx. 6.3 x 4.5 inches (Width x Height)
Item Weight	Approx. 1.06 pounds (total package)
UPC	722831470400

8. Warranty Information

KALEVOL products are designed for reliability and performance. For specific warranty details, please refer to the warranty card included with your purchase or visit the official KALEVOL website. Typically, warranty covers manufacturing defects under normal use conditions.
Please retain your proof of purchase for any warranty claims.

9. Support Information

If you encounter any issues or have questions regarding your KALEVOL Weather Station, please contact our customer support team:

- **Email:** Refer to your product packaging or the official KALEVOL website for contact email.
- **Website:** KALEVOL Official Store on Amazon
- Please have your model number (3378) and purchase date ready when contacting support.

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