Kalawen B0BNL6HCZL

Kalawen Wireless Weather Station User Manual

Model: B0BNL6HCZL

Brand: Kalawen

1. INTRODUCTION

Thank you for purchasing the Kalawen Wireless Weather Station. This device provides comprehensive weather information including indoor/outdoor temperature and humidity, weather forecasts, atomic clock functions, and more. Please read this manual carefully before use to ensure proper operation and longevity of your device.

Figure 1: Kalawen Wireless Weather Station Main Unit and Outdoor Sensor. The main unit features a large color display showing remote sensor data, weather forecast, and indoor sensor data. A separate white outdoor temperature and humidity sensor is shown next to it.

2. PACKAGE CONTENTS

- 1 x Kalawen Weather Station Main Unit
- 1 x Wireless Outdoor Sensor
- 1 x Power Adapter (Type-C)
- 1 x User Manual

3. PRODUCT FEATURES

- **Large 7.4-inch Color LCD Display:** Provides clear visibility of weather information from multiple angles.
- **Indoor/Outdoor Temperature & Humidity:** Real-time monitoring with a wide transmission range of up to 60m/200ft.
- **Weather Forecast:** Predicts weather changes for the next 24 hours (sunny, partly cloudy, cloudy, rainy, thundershower, snowy).
- **Atomic Clock (RCC Function):** Automatic time calibration for accurate timekeeping.
- **Adjustable Backlight:** 5 levels of brightness when powered by adapter.
- **Dual Power Options:** Operates via power adapter or 3 x 1.5V AAA batteries (not included).
- **Multiple Channels:** Supports connection with up to three remote sensors (one included).
- **Air Pressure Display:** Shows current barometric pressure.
- **Moon Phase Display:** Indicates current moon phase.

- **Temperature Alerts:** Customizable high/low temperature alerts for outdoor sensor.
- **Comfort Indicator:** Displays indoor comfort level with an emoji.
- **Alarm Clock with Snooze:** Integrated alarm function.

Figure 2: Weather Forecast Icons. This image displays the various weather icons used on the Kalawen weather station, including sunny, partly cloudy, cloudy, rainy, thundershower, and snowy conditions.

Figure 3: Adjustable Backlight Levels. The image demonstrates the five different brightness settings available for the weather station's display, ranging from brightest to completely off.

4. SETUP

4.1 Powering the Main Unit

1. **Using Power Adapter:** Connect the provided Type-C power adapter to the main unit and plug it into a wall outlet. The display will light up immediately.

2. **Using Batteries (Backup):** Open the battery compartment on the back of the main unit. Insert 3 x 1.5V AAA batteries (not included) according to the polarity markings. Note: The backlight will not stay continuously lit when powered by batteries only.
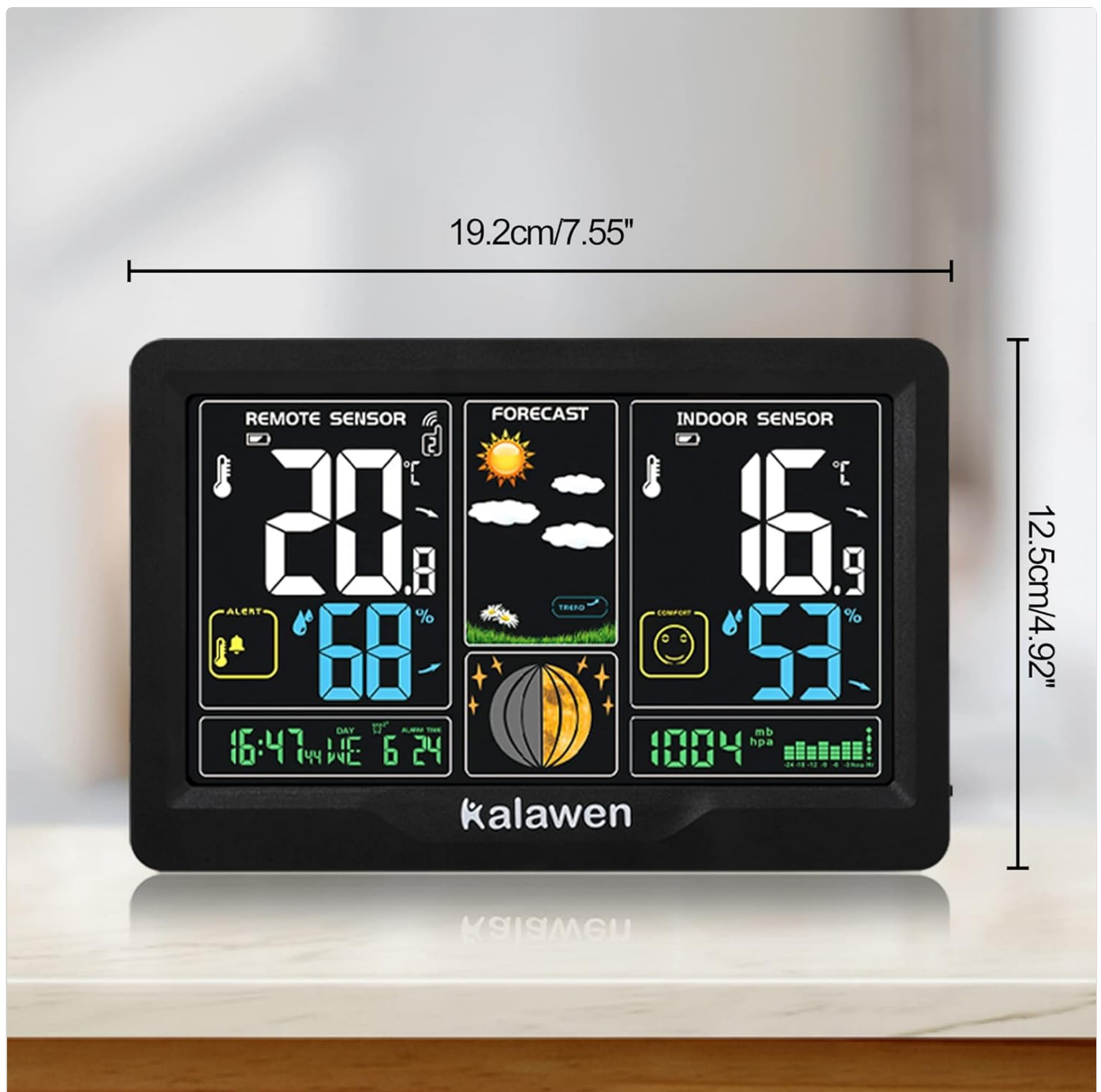
Figure 4: Dual Power Options. This image illustrates the two ways to power the weather station: via the Type-C adapter for continuous backlight, or with 3 AAA batteries for portable use (backlight is not continuous with batteries).

4.2 Setting up the Outdoor Sensor

1. Open the battery compartment of the outdoor sensor.
2. Insert 2 x 1.5V AA batteries (not included) according to the polarity markings.
3. Select a channel (1, 2, or 3) on the outdoor sensor using the small switch inside the battery compartment. Ensure this channel matches the channel selected on the main unit for pairing.
4. Close the battery compartment.
5. Place the outdoor sensor in a shaded, dry location away from direct sunlight and precipitation for accurate readings. The maximum transmission range is 60m/200ft in open areas.

4.3 Pairing the Sensor with Main Unit

Once both units are powered, the main unit will automatically search for the outdoor sensor. The outdoor temperature and humidity readings should appear on the display within a few minutes. If not, press and hold the "CHANNEL" button on the main unit to initiate a manual search.

Figure 5: Outdoor Sensor Placement. This image shows various suitable locations for the outdoor sensor, such as near a gate, inside a greenhouse, or mounted on an exterior wall, highlighting the 60m signal transmission range.

5. OPERATING INSTRUCTIONS

5.1 Display Overview

Figure 6: Display Layout. This diagram labels key areas of the weather station's display, including remote sensor data (signal channel, temperature, humidity, temperature alert), time/date/alarm, weather forecast, comfort indicator, air pressure, and moon phase.

- **Remote Sensor Section:** Displays outdoor temperature, humidity, signal strength, and temperature alert icon.
- **Forecast Section:** Shows weather forecast icons, trend indicator, and moon phase.
- **Indoor Sensor Section:** Displays indoor temperature, humidity, and comfort emoji.
- **Time/Date/Alarm Section:** Shows current time, day of the week, date, and alarm status.
- **Air Pressure Section:** Displays barometric pressure in mb/hPa.

5.2 Basic Settings

Refer to the buttons on the side or back of the main unit for navigation and setting adjustments.

- **TIME SET:** Press to enter time setting mode. Use UP/DOWN to adjust values.
- **ALARM:** Press to view/set alarm.
- **ALERT:** Press to set temperature alerts for the outdoor sensor.
- **°C/°F:** Press to switch between Celsius and Fahrenheit temperature units.

- **MAX/MIN:** Press to view maximum and minimum temperature/humidity records. Press and hold to clear records.
- **LIGHT:** Press to adjust backlight brightness (5 levels).
- **CHANNEL:** Press to cycle through outdoor sensor channels (if multiple sensors are used). Press and hold to search for sensors.

5.3 Atomic Clock (RCC) Function

The weather station is equipped with an RCC function for automatic time synchronization. Upon initial power-up or after a reset, the unit will attempt to receive the atomic clock signal. This process may take several minutes or hours depending on signal strength. Ensure the unit is placed near a window for better reception.

Figure 7: Automatic Time Setting. This icon indicates the weather station's atomic clock function, which automatically synchronizes the time for accuracy.

6. MAINTENANCE

- Clean the display and unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Avoid exposing the main unit to direct sunlight, extreme temperatures, or high humidity.
- The outdoor sensor should be placed in a sheltered location to protect it from direct rain and snow, as it is not fully waterproof.
- Replace batteries in both units when the low battery indicator appears on the display to ensure continuous operation and accurate readings.
- If the unit will not be used for an extended period, remove all batteries.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor temperature/humidity reading.	Sensor not paired, out of range, or low batteries.	Ensure batteries are correctly inserted in sensor. Press and hold "CHANNEL" button on main unit to re-pair. Move sensor closer to main unit. Replace sensor batteries.
Inaccurate temperature/humidity readings.	Sensor exposed to direct sunlight/rain, or near heat sources.	Relocate outdoor sensor to a shaded, sheltered area. Ensure main unit is not near heat/cold sources.
Display is dim or blank (on battery power).	Backlight not continuous on battery power, or low batteries.	Connect power adapter for continuous backlight. Replace main unit batteries.
Atomic clock not synchronizing.	Weak signal, interference, or unit not in optimal position.	Place unit near a window, away from electronic devices that may cause interference. Allow several hours for synchronization.

8. SPECIFICATIONS

- **Model:** B0BNL6HCZL

- **Display Type:** LCD Color Display

- **Screen Size:** 7.4 inches

- **Indoor Temperature Range:** (Not specified, common range is 0°C to 50°C / 32°F to 122°F)

- **Outdoor Temperature Range:** (Not specified, common range is -40°C to 60°C / -40°F to 140°F)

- **Temperature Accuracy:** ±1°C

- **Humidity Range:** (Not specified, common range is 20% to 95%)

- **Wireless Transmission Range:** Up to 60 meters (200 feet) in open area

- **Main Unit Power:** DC 5V (Type-C adapter included) or 3 x AAA batteries (not included)

- **Outdoor Sensor Power:** 2 x AA batteries (not included)

- **Dimensions (Main Unit):** Approximately 19.2 cm x 12.5 cm (7.55 in x 4.92 in)

- **Weight:** 1.15 pounds (approx. 0.52 kg)

Figure 8: Product Dimensions. This image provides the approximate measurements of the main weather station unit: 19.2cm/7.55" in width

and 12.5cm/4.92" in height.

9. WARRANTY AND SUPPORT

Kalawen products come with a standard manufacturer's warranty. For detailed warranty information, technical support, or customer service inquiries, please refer to the contact information provided on the product packaging or visit the official Kalawen website. Please retain your purchase receipt for warranty claims.

Website: Visit the Kalawen Store on Amazon

Related Documents - B0BNL6HCZL

	Kalawen Weather Station User Manual: Setup, Features, and Troubleshooting Guide The Kalawen Weather Station User Manual provides comprehensive instructions for setting up and operating the Kalawen color screen weather station, including features like WWVB radio control, temperature and humidity monitoring, weather forecasting, alarm functions, and troubleshooting tips for optimal performance.
	Kalawen EM3388-WWVB Weather Station User Manual Comprehensive user manual for the Kalawen EM3388-WWVB Weather Station, covering setup, features, operation, and troubleshooting for indoor/outdoor temperature, humidity, barometric pressure, and weather forecasting. Includes WWVB radio time synchronization, alarms, and lunar phase display.