

OBEST EN8829-B

OBEST EN8829-B Wireless Weather Station User Manual

Model: EN8829-B

INTRODUCTION

Thank you for purchasing the OBEST EN8829-B Wireless Weather Station. This device provides accurate indoor and outdoor temperature and humidity readings, a 6-level weather forecast, time, date, and an alarm function. Please read this manual carefully to ensure proper setup and operation.

PACKAGE CONTENTS

- OBEST EN8829-B Weather Station (Main Unit)
- Wireless Outdoor Sensor
- USB Power Cable
- User Manual

PRODUCT OVERVIEW

The OBEST EN8829-B features a 6-inch color LCD display and a wireless outdoor sensor for comprehensive environmental monitoring.



4 LEVEL BRIGHTNESS ADJUSTABLE

Neither Affect Your Sleep Nor Trouble To Read At Night



Image: The main display unit of the OBEST EN8829-B weather station, showing indoor and outdoor temperature and humidity, weather forecast, date, moon phase, and time.

Main Unit Features:

- 6-inch HTN color LCD display
- 6 touch buttons: [SET], [MODE], [ALERTS], [UP], [SNOOZE/LIGHT], [DOWN]
- 12H/24H time selection
- Alarm with snooze function (5-60 minutes)
- Perpetual calendar with M/D or D/M display
- Week display in 5 languages (German, English, French, Italian, Spanish)
- Temperature display in °C / °F
- Barometric pressure indication (last 12 hours) in hPa/mb or inHg
- 6-level weather forecast (sunny, cloudy, overcast, rainy, heavy rain, snow)
- 8 types of moon phase indication
- Memory function for highest/lowest indoor/outdoor temperature and humidity
- Indoor temperature alarm (upper and lower limits)
- USB charging port
- Adjustable backlight (4 levels with DC power, 10 seconds with battery)

Outdoor Sensor Features:

- IP54 waterproof rating
- Supports up to 3 sensors (one included)
- RF 433.92 MHz detection frequency
- Wireless transmission distance up to 60m / 100ft
- Low power indication

SETUP

1. Powering the Main Unit

The main unit can be powered by either DC power or batteries.

1. **DC Power (Recommended):** Connect the provided USB power cable to the main unit and a suitable USB power adapter (not included). This allows the backlight to remain on continuously with adjustable brightness.
2. **Battery Power:** Insert 3 AAA batteries (not included) into the battery compartment. When powered by batteries, the backlight will illuminate for 10 seconds after a button press to conserve power.

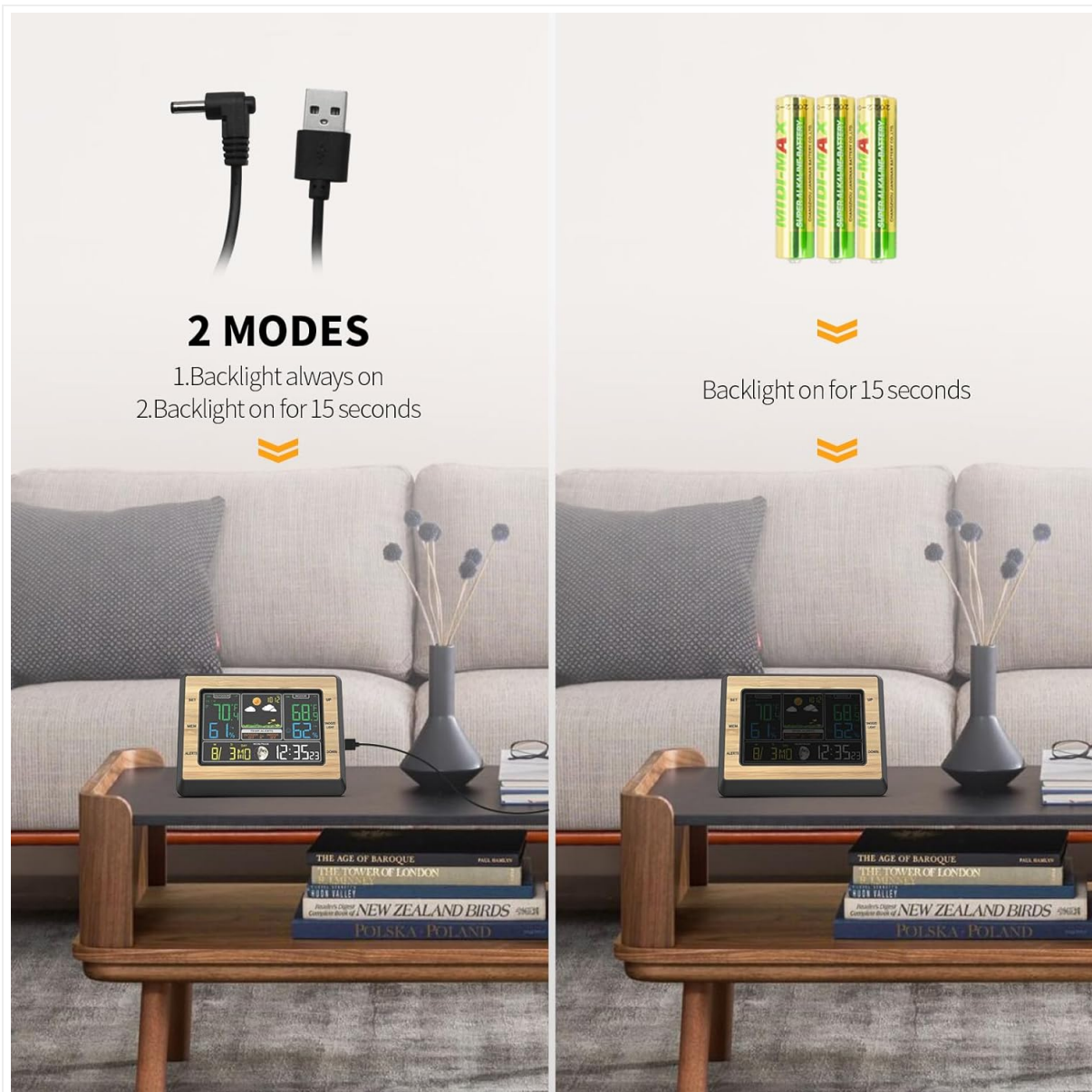


Image: Illustration of the two power modes for the weather station: DC power for continuous backlight and battery power

for 15-second backlight.

2. Installing and Pairing the Outdoor Sensor

1. Insert 2 AAA batteries (not included) into the outdoor sensor.
2. Place the outdoor sensor in a shaded, dry location away from direct sunlight and rain, but where it can still transmit data to the main unit. The sensor is IP54 waterproof, but protection from extreme elements is recommended for longevity.
3. The main unit will automatically search for and connect to the outdoor sensor. This may take a few minutes. Ensure both units are within the 60m / 100ft transmission range.

WIRELESS DATA TRANSMISSION BETWEEN INDOOR AND OUTDOOR



Image: Depicts the wireless data transmission between the remote outdoor sensor and the indoor receiver unit.

3. Initial Settings

After powering on, you may need to set the time, date, and other preferences.

1. Press and hold the **[SET]** button to enter time setting mode.
2. Use the **[UP]** and **[DOWN]** buttons to adjust values.
3. Press **[SET]** again to confirm and move to the next setting (e.g., 12/24H format, hour, minute, year, month, day, date format M/D or D/M, language for day of week).
4. Press the **[MODE]** button to exit settings at any time.

5. To change temperature units (°C/°F), press the[UP] button in normal display mode.

OPERATING INSTRUCTIONS

1. Display Information

The main display shows various information:

- **Outdoor Temperature & Humidity:** Located on the left side of the display.
- **Indoor Temperature & Humidity:** Located on the right side of the display.
- **Weather Forecast:** Icons indicating sunny, cloudy, rainy, etc., in the upper middle section.
- **Time & Date:** At the bottom right.
- **Moon Phase:** Icon next to the date.
- **Barometric Pressure:** Displayed in the upper middle section, below the weather forecast.

2. Backlight Adjustment

When powered by DC, the backlight has 4 adjustable levels.

- Press the [SNOOZE/LIGHT] button to cycle through high brightness, medium light, low light, and off.



Image: Four panels illustrating the different backlight brightness levels (high, medium, low, off) of the weather station

display.

3. Alarm and Snooze Function

- **Setting Alarm:** Press the **[MODE]** button repeatedly until the alarm time is displayed. Hold **[SET]** to adjust the alarm time using **[UP]/[DOWN]**. Press **[SET]** to confirm.
- **Activating/Deactivating Alarm:** In alarm display mode, press **[UP]** to turn the alarm on or off.
- **Snooze:** When the alarm sounds, press the **[SNOOZE/LIGHT]** button to activate snooze. The alarm will sound again after 5-60 minutes (adjustable in settings).

4. Temperature/Humidity Alerts

You can set upper and lower limits for indoor temperature alerts.

- Press the **[ALERTS]** button to view current alert settings.
- Hold **[ALERTS]** to enter alert setting mode. Use **[UP]/[DOWN]** to adjust the desired high/low temperature limits.
- Press **[ALERTS]** to confirm and move to the next setting.
- When the temperature exceeds the set limits, an alarm will sound.

5. Max/Min Temperature and Humidity Memory

- Press the **[MEM]** button to display the maximum recorded indoor/outdoor temperature and humidity.
- Press **[MEM]** again to display the minimum recorded values.
- Hold **[MEM]** to clear the recorded maximum/minimum values.

6. Weather Forecast

The weather station provides a 6-level weather forecast based on barometric pressure changes. This is an approximation and should not replace professional weather services.

6 MODE WEATHER FORECAST



Weather forecast

This forecast can not compare to that of professional weather services supported by satellites and high performance computers, but merely provides an approximate indication of current developments. Please give priority to the weather forecast of the local weather forecast service.

Image: Collage of six different weather scenes (desert, clouds, rain, snow) illustrating the 6-mode weather forecast feature of the station.

MAINTENANCE

1. Battery Replacement

- When the low battery indicator appears on the display for either the main unit or the outdoor sensor, replace the batteries promptly.
- For the main unit, use 3 AAA batteries. For the outdoor sensor, use 2 AAA batteries.
- Ensure correct polarity when inserting new batteries.

2. Cleaning

- Wipe the main unit and sensor with a soft, damp cloth.
- Do not use abrasive cleaners or solvents, as these may damage the display or casing.

3. General Care

- Avoid exposing the main unit to direct sunlight, extreme temperatures, or high humidity.
- Ensure the outdoor sensor is placed in a location that minimizes direct exposure to harsh weather

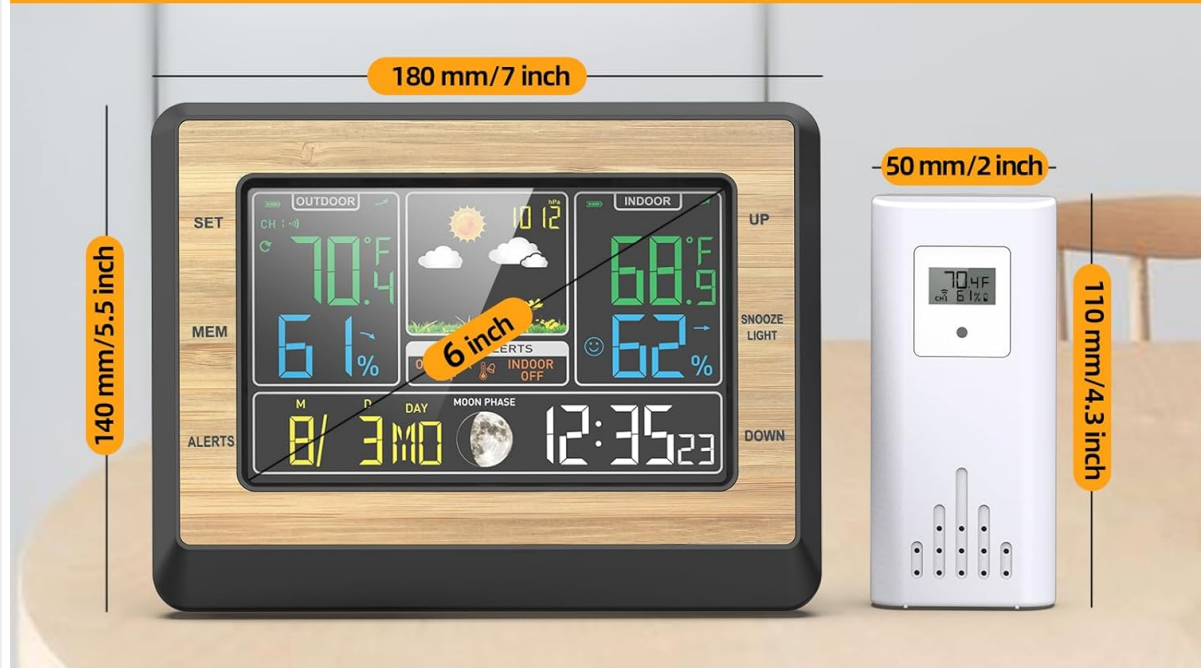
conditions, despite its waterproof rating.

TROUBLESHOOTING

- **No outdoor temperature/humidity reading:**
 - Check if the outdoor sensor batteries are installed correctly and are not depleted.
 - Ensure the sensor is within the transmission range (up to 60m / 100ft) and there are no major obstructions (thick walls, metal objects) between the sensor and the main unit.
 - Try re-pairing the sensor by removing batteries from both units, then reinserting them into the sensor first, then the main unit.
- **Inaccurate temperature/humidity readings:**
 - Ensure the sensor is not in direct sunlight or near heat sources/vents, which can affect readings.
 - Allow both units to stabilize for at least 30 minutes after setup for accurate readings.
- **Display is dim or blank:**
 - If using battery power, the backlight only stays on for 10 seconds after a button press.
 - If using DC power, check the power cable connection. Press the **[SNOOZE/LIGHT]** button to adjust brightness.
 - Replace batteries if the low battery indicator is on.
- **Alarm not sounding:**
 - Ensure the alarm function is activated (alarm icon visible on display).
 - Check the alarm time settings.

SPECIFICATIONS

ADJUSTABLE BACKLIGHT



6 inch LED



CH1-2-3 Switch



Date Trend



Comfort Level



Lunar Phases



Weather Forecast



Calendar



Temperature alarm

Image: Diagram showing the dimensions of the main unit (180mm/7 inch width, 140mm/5.5 inch height) and the outdoor sensor (50mm/2 inch width, 110mm/4.3 inch height), along with icons representing key features.

Feature	Detail
Model	EN8829-B
Display Type	6-inch Color LCD
Indoor Temperature Range	-20°C ~ +70°C (-4°F ~ 158°F)
Outdoor Temperature Range	-40°C ~ +70°C (-40°F ~ 158°F)
Temperature Resolution	0.1°C / °F
Humidity Range	20% RH ~ 95% RH
Barometric Pressure Range	850hPa/mb (25.1 inHg) -- 1100hPa/mb (32.48 inHg)
Wireless Frequency	433.92 MHz
Wireless Transmission Distance	Up to 60m / 100ft (open air)
Main Unit Power	USB DC 5V or 3 x AAA batteries (not included)

Feature	Detail
Outdoor Sensor Power	2 x AAA batteries (not included)
Product Dimensions (Main Unit)	19 x 6 x 15 cm (L x W x H)
Product Weight	445 Grams
Material	Acrylonitrile Butadiene Styrene (ABS)

WARRANTY AND SUPPORT

Warranty information for the OBEST EN8829-B Wireless Weather Station is not explicitly provided in the product details. For specific warranty terms or technical support, please contact the retailer or manufacturer directly.