

Baldr B0341WST2-V5

BALDR Wireless Rain Gauge and Weather Station User Manual

Model: B0341WST2-V5

INTRODUCTION

The BALDR Wireless Rain Gauge and Weather Station (Model B0341WST2-V5) is designed to provide accurate rainfall measurements and monitor both indoor and outdoor temperatures. This device features a main display unit, a remote rain gauge, and a remote temperature sensor, offering convenient access to essential weather data. Its efficient design ensures ease of installation and operation, making it a practical tool for home weather monitoring.

Get rainfall, temperature, and weather updates at one glance



Image: The BALDR Wireless Rain Gauge and Weather Station components, including the main display unit, the rainfall collector, and the remote temperature sensor.

PRODUCT COMPONENTS

Before beginning installation, please ensure all components are present and undamaged. The package includes:

- Main Display Unit (Indoor Console)
- Wireless Rain Gauge (Rainfall Collector)
- Wireless Outdoor Temperature Sensor
- Instruction Manual
- Mounting Screws

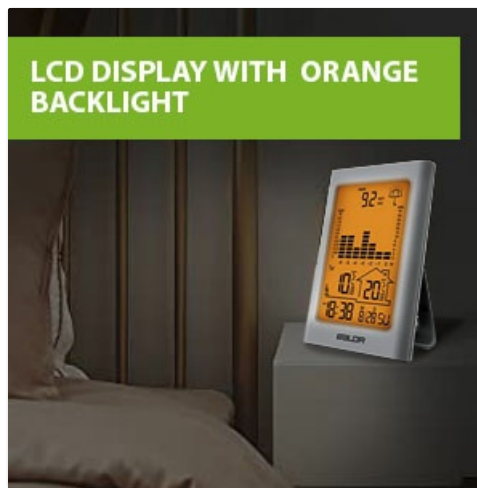


Image: A visual representation of the items included in the product package: main display unit, rain gauge, temperature sensor, instruction manual, and mounting screws.

SETUP INSTRUCTIONS

1. **Powering the Main Display Unit:** Insert 2x AAA batteries (not included) into the battery compartment of the main display unit.
2. **Powering the Rain Gauge:** Insert 2x AA batteries (not included) into the battery compartment of the wireless rain gauge.
3. **Powering the Outdoor Temperature Sensor:** Insert 2x AA batteries (not included) into the battery compartment of the wireless outdoor temperature sensor.
4. **Important Pairing Note:** After powering on the main unit, wait approximately three minutes before inserting batteries into the rain gauge and outdoor temperature sensor. This sequence is crucial for proper synchronization.
5. **Synchronization:** The main unit will automatically search for and connect to the rain gauge and temperature sensor. Successful connection is indicated when the rainfall display shows "0.0mm" (or "0.00 inch") and the outdoor temperature reading appears on the main display.
6. **Placement of Rain Gauge:** Position the rain gauge in an open area, away from obstructions like trees or buildings, to ensure accurate rainfall collection. Ensure it is level to prevent skewed readings.
7. **Placement of Temperature Sensor:** Mount the outdoor temperature sensor in a shaded area, protected from direct sunlight and precipitation, to obtain accurate ambient temperature readings. Ensure it is within the wireless range of the main unit.



Image: A visual guide demonstrating the battery insertion process for the main unit, rain gauge, and temperature sensor, followed by the successful connection display.

LARGE LCD SCREEN FOR EASY VIEWING

**Portable
temperature sensor**

**Self-emptying rain
collector**



Image: Example outdoor placement of the rain gauge and temperature sensor for optimal performance.

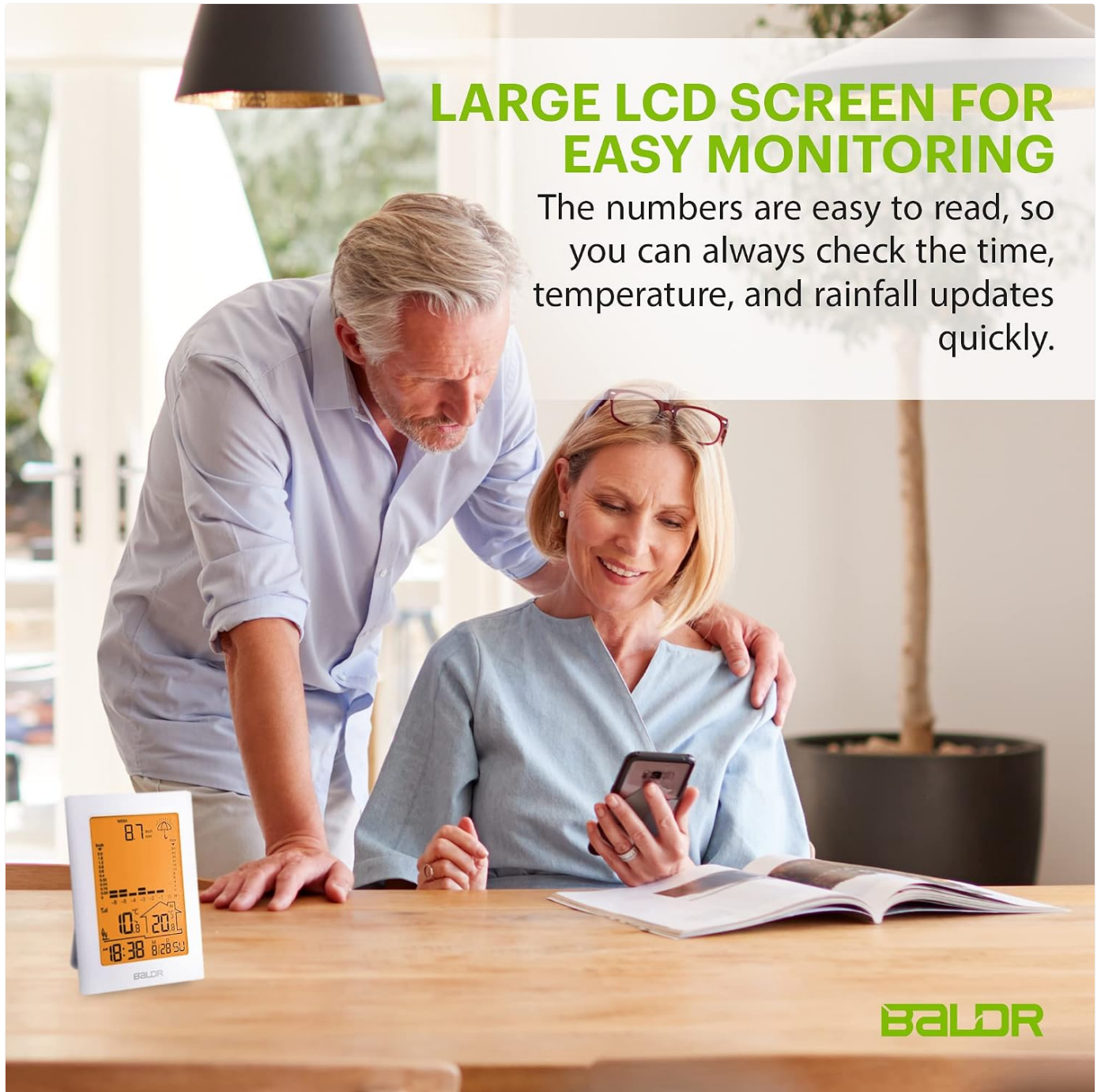
OPERATING INSTRUCTIONS

The main display unit provides a clear overview of current weather data. Familiarize yourself with the display and available functions:

- **Display Readings:** The LCD screen shows indoor temperature, outdoor temperature, current rainfall, and historical rainfall data.
- **Temperature Units:** Use the designated button (refer to the physical manual for exact button location) to switch between Celsius (°C) and Fahrenheit (°F) for temperature readings.
- **Rainfall Units:** Use the designated button to switch between inches (inch) and millimeters (mm) for rainfall measurements.
- **Rainfall History:** The display can show rainfall totals for various periods, including the last hour (1H), last 24 hours (24H), current week (WEEK), current month (MONTH), and total accumulated rainfall (TOTAL). Navigate through these options using the appropriate buttons.
- **Time and Date:** The unit also displays the current time and date. Instructions for setting these can be found in the detailed

LARGE LCD SCREEN FOR EASY MONITORING

The numbers are easy to read, so you can always check the time, temperature, and rainfall updates quickly.



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Image: A close-up of the main display unit, illustrating the clear presentation of time, indoor/outdoor temperature, and rainfall information.



ACCURATE TEMPERATURE READINGS

Our outdoor thermometer accurately reads the temperature to help you know when it's time to go outside and enjoy the weather.

BALDR

Image: The display unit showing various rainfall accumulation periods: 1 hour, 24 hours, week, month, and total.

MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your weather station.

- **Cleaning the Rain Gauge:** Periodically inspect the rain gauge's tipping bucket mechanism for debris such as leaves, insects, or dirt. Clean it gently with a soft cloth and water to ensure unimpeded movement and accurate measurement.
- **Battery Replacement:** Replace batteries in all units (main display, rain gauge, temperature sensor) when the low battery indicator appears on the display, or if readings become inconsistent. Use fresh, high-quality batteries for optimal performance.
- **General Cleaning:** Wipe the main display unit and outdoor sensor with a soft, damp cloth. Avoid abrasive cleaners or solvents.



Image: The internal tipping bucket mechanism of the rain gauge, which should be kept clear of debris for accurate readings.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit.	Dead or incorrectly inserted batteries.	Replace batteries with fresh 2x AAA batteries, ensuring correct polarity.
Outdoor temperature or rainfall data not displayed.	1. Sensor batteries are dead or low. 2. Sensor is out of range or obstructed. 3. Incorrect pairing sequence during setup.	1. Replace batteries in the respective sensor (2x AA for rain gauge, 2x AA for temperature sensor). 2. Move sensor closer to the main unit or clear obstructions. 3. Remove all batteries, wait 1 minute, then re-insert batteries into the main unit first, wait 3 minutes, then insert batteries into the sensors.
Inaccurate rainfall readings.	1. Rain gauge is not level. 2. Debris inside the tipping bucket mechanism. 3. Rain gauge is obstructed.	1. Ensure the rain gauge is placed on a flat, level surface. 2. Clean the tipping bucket mechanism as described in the Maintenance section. 3. Relocate the rain gauge to an open area free from overhead obstructions.
Inaccurate temperature readings.	Outdoor sensor exposed to direct sunlight or heat sources.	Relocate the outdoor sensor to a shaded area, away from direct sunlight or heat-emitting objects.

SPECIFICATIONS

- **Model:** B0341WST2-V5
- **Brand:** Baldr
- **Power Source:** Main Unit: 2x AAA Batteries; Rain Gauge: 2x AA Batteries; Temperature Sensor: 2x AA Batteries (Batteries not included)
- **Color:** White
- **Temperature Accuracy:** +/- 2°C
- **Sensor Technology:** Thermistors or RTDs for temperature; Tipping bucket mechanism for rainfall
- **Upper Temperature Rating:** 140°C (284°F)
- **Shape:** Rectangular (Main Unit)

- **Global Trade Identification Number (GTIN):** 05059648387108

WARRANTY INFORMATION

Specific warranty details are not provided in the product information. Please refer to the warranty card included in your product packaging or visit the official Baldr website for detailed warranty terms and conditions.

SUPPORT

For further assistance, technical support, or to inquire about replacement parts, please visit the official Baldr website or contact their customer service department. Contact information can typically be found in the product packaging or on the manufacturer's website.

You can visit the Baldr Store on Amazon: [Baldr Store](#)

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