

[Manuals.plus](#) /

› [AcuRite](#) /

› AcuRite Atlas Professional Home Weather Station User Manual

AcuRite B0DV935N2R

AcuRite Atlas Professional Home Weather Station User Manual

Model: B0DV935N2R

1. INTRODUCTION AND OVERVIEW

The AcuRite Atlas Professional Home Weather Station provides comprehensive hyperlocal weather monitoring directly to your Wi-Fi HD display and mobile device. This system includes a wireless outdoor sensor, a vibrant indoor display, and a solar power pack for continuous operation.

It is designed to deliver real-time data on various environmental conditions, including indoor/outdoor temperature and humidity, wind speed and direction, UV index, light intensity, barometric pressure, and rainfall totals. With its advanced features, you can stay informed about your local weather and make timely decisions.



Image: The AcuRite Atlas Professional Home Weather Station, showing the indoor display unit, the multi-sensor outdoor unit, and the separate solar power panel.

2. PACKAGE CONTENTS

Verify that all components are present in your package:

- Wireless Outdoor Sensor
- Solar Power Panel
- HD Display Unit

- Instruction Manual
- Power Cord for Display
- Mounting Hardware for Outdoor Sensor and Solar Panel

3. SETUP GUIDE

3.1. Outdoor Sensor Placement

Select an open location for the wireless outdoor sensor, free from obstructions that could interfere with wind, rain, or sunlight measurements. Ensure it is mounted securely using the provided hardware, allowing for accurate data collection. The sensor should be placed at least 5 feet (1.5 meters) above the ground for optimal wind readings.

3.2. Solar Power Panel Installation

Mount the solar power panel in a location that receives direct sunlight throughout the day to ensure continuous charging of the outdoor sensor's internal battery. Connect the 30-foot cord from the solar panel to the outdoor sensor. This eliminates the need for disposable batteries.

3.3. Display Unit Setup

Connect the power cord to the HD display unit and plug it into a standard wall outlet. The display will power on automatically. Follow the on-screen prompts to set the time, date, and connect to your 2.4 GHz Wi-Fi network. A strong Wi-Fi connection is essential for remote monitoring and data sharing.

3.4. My AcuRite App and Weather Underground Connectivity

Download the My AcuRite mobile app from your device's app store. Create an account and follow the instructions to add your weather station. This enables remote monitoring of your weather data. You can also connect your station to the Weather Underground community through the My AcuRite app to share your local weather data globally.

4. OPERATING INSTRUCTIONS

4.1. Reading the Display

The HD display provides a clear, color interface for viewing all collected weather data. It shows indoor and outdoor temperature and humidity, wind speed and direction, rainfall totals, UV index, light intensity, and barometric pressure. Navigate through different screens using the buttons on the display to access historical data and forecasts.

4.2. Custom Alarms

Set custom programmable alarms through the display or the My AcuRite app. These alarms can notify you when critical weather conditions change, such as high winds, low temperatures, or heavy rainfall, allowing you to take appropriate action.

4.3. Forecasting Technology

The station uses patented self-calibrating technology, combining elevation and atmospheric pressure data, to provide a personalized weather forecast for your specific location up to 12 hours in advance.

5. MAINTENANCE

5.1. Solar Panel Charging

Ensure the solar power panel remains clean and free of debris (leaves, snow, dirt) to maximize its charging

efficiency. Regular cleaning will help maintain consistent power to the outdoor sensor.

5.2. Display Battery Backup

The display unit includes an optional battery backup feature. Install appropriate batteries (not included) to save weather monitor data and settings in case of a power outage.

5.3. Sensor Cleaning

Periodically inspect the outdoor sensor for any obstructions, especially in the rain gauge funnel and wind cups, to ensure accurate readings. Gently clean with a soft, damp cloth if necessary.

6. TROUBLESHOOTING

6.1. No Data on Display

- Ensure the display unit is powered on and connected to a power source.
- Verify the outdoor sensor is receiving power from the solar panel. Check the solar panel for obstructions.
- Confirm the outdoor sensor and display are within range and not experiencing wireless interference.

6.2. Wi-Fi Connectivity Issues

- Ensure your Wi-Fi network is 2.4 GHz. The station does not support 5 GHz networks.
- Check your Wi-Fi password and re-enter it if necessary.
- Restart your Wi-Fi router and the display unit.

6.3. Inaccurate Readings

- Check the outdoor sensor for any physical obstructions (e.g., spiderwebs, leaves) that might affect readings.
- Ensure the sensor is mounted level for accurate rain and wind measurements.
- Allow time for the self-calibrating technology to adjust, especially after initial setup or significant weather changes.

7. SPECIFICATIONS

Feature	Detail
Brand	AcuRite
Power Source	Solar Powered
Connectivity Technology	Wi-Fi (2.4 GHz)
Included Components	Wireless Outdoor Sensor, Solar Power Panel, Display, Instructions, Power Cord, Mounting Hardware
Temperature Accuracy	±1 °C
Sensor Technology	Wireless
Display Type	Color Display

Feature	Detail
Model Number	B0DV935N2R

8. WARRANTY AND SUPPORT

8.1. Limited Warranty

This AcuRite Atlas Professional Home Weather Station comes with a one-year limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2. Customer Support

For technical assistance, troubleshooting, or warranty inquiries, please visit the official AcuRite website or contact their customer support team. Refer to the contact information provided in your product packaging or on the AcuRite website.

© 2024 AcuRite. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

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.

Submit question

Open the live page

<https://manuals.plus/asin/B0DV935N2R>

More documents and user manuals: <https://manuals.plus/>