AcuRite 01001M

AcuRite Atlas Professional Weather Station User Manual

Model: 01001M
Brand: AcuRite

Introduction

The AcuRite Atlas Professional Weather Station provides comprehensive hyperlocal weather data directly to your Wi-Fi HD Display and the My AcuRite mobile app. This system includes an outdoor sensor for temperature, humidity, wind speed/direction, rainfall, UV, and light intensity, along with a lightning detector. The indoor display unit measures indoor temperature, humidity, and barometric pressure, offering a complete personal weather center for your home or office.



Image: The AcuRite Atlas Professional Weather Station components, including the outdoor sensor, indoor HD display, and a mobile app interface.

What's in the Box

Verify that all components are present in your package:

- Display and AC Adapter
- Outdoor Sensor
- Lightning Detector
- Instruction Manual (this document)

Setup

Follow these steps for initial setup of your AcuRite Atlas Weather Station:

1. Install Batteries and Lightning Sensor in Outdoor Unit

Open the battery compartment on the outdoor sensor. Insert 4 AA batteries (not included) and the lightning detector module (if applicable) into their designated slots. Ensure correct polarity.

Your browser does not support the video tag.

Video: Demonstrates the installation of batteries and the lightning detector into the outdoor sensor unit.

2. Power On the Display Unit

Plug the AC adapter into the display unit and then into a standard power outlet. Lift the antenna on the display unit for optimal signal reception.



Image: Rear view of the display unit showing the power input and battery compartment for optional backup.

3. Configure Display Settings and Wi-Fi

Follow the on-screen prompts to set the time, date, and other preferences. Connect the display to your 2.4 GHz Wi-Fi network to enable remote monitoring via the My AcuRite app and Weather Underground.

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Video: Overview of the AcuRite Atlas display features and Wi-Fi connectivity setup process.

4. Mount the Outdoor Sensor

Mount the outdoor sensor in an open location, at least five feet off the ground, ensuring it is level and facing south for accurate readings. Use the included mounting bracket and hardware.



Image: The outdoor sensor unit mounted on a pole, showcasing its design and placement in an outdoor environment.

Operating Instructions

Once set up, your AcuRite Atlas Weather Station will continuously monitor and display various weather conditions:

- **Real-Time Data:** View indoor/outdoor temperature and humidity, wind speed and direction, rainfall totals, UV index, light intensity, and barometric pressure directly on the HD display.
- **Lightning Detection:** The integrated lightning detector provides alerts for strikes up to 25 miles away, helping you stay informed about approaching thunderstorms.
- **My AcuRite App:** Download the My AcuRite mobile app to monitor your weather data remotely from your smartphone or computer. Set custom alerts for critical condition changes.
- **Weather Underground Integration:** Share your hyperlocal weather data with the Weather Underground community and access a vast network of personal weather stations.

- **Forecasting:** The system uses patented self-calibrating technology to provide a personalized 12-hour weather forecast based on your specific location.



Image: The HD display unit integrated into a kitchen environment, showing current weather conditions.



Image: The display unit positioned on a desk, illustrating its compact size and clear data presentation.

Maintenance

Regular maintenance ensures optimal performance and longevity of your weather station:

- **Cleaning the Outdoor Sensor:** Periodically inspect and clean the outdoor sensor, especially the rain gauge and anemometer, to remove debris, leaves, or insects that may obstruct readings. The wide-mouth collection container of the rain gauge is designed for easy cleaning.
- **Battery Replacement:** The outdoor sensor batteries typically last about one year. Replace them annually or when the low battery indicator appears on the display. The display unit has optional battery backup for power outages.
- **Display Unit Care:** Clean the display screen with a soft, lint-free cloth. Avoid abrasive cleaners.



Image: The outdoor sensor unit shown in rainy conditions, demonstrating its weather-resistant construction.

Troubleshooting

If you encounter issues with your weather station, try the following common troubleshooting steps:

- **No Data on Display:** Ensure the outdoor sensor batteries are fresh and correctly installed. Check that the display unit is powered on and within range of the outdoor sensor (up to 330 feet / 100 meters).
- **Inaccurate Readings:** Verify the outdoor sensor is mounted level and free from obstructions. Ensure it is facing south for accurate wind direction. Clean the rain gauge if rainfall readings are incorrect.
- **Wi-Fi Connectivity Issues:** Confirm your display unit is connected to a 2.4 GHz Wi-Fi network. Restart your router and the display unit. Ensure correct Wi-Fi credentials are entered during setup.
- **Lightning Detector Not Working:** Check the lightning detector module is properly inserted into the outdoor sensor. Ensure there are no major electrical interferences nearby.

For more detailed troubleshooting, refer to the full user manual PDF available on the product page or contact AcuRite customer support.

Specifications

Feature	Detail
Product Dimensions (Display)	0.75 x 6.8 x 9.8 inches
Product Dimensions (Outdoor Sensor)	6"D x 16"W x 11.5"H
Item Model Number	01001MCB
Batteries Required	4 AA batteries (for outdoor sensor)
Power Source (Display)	Corded Electric
Connectivity Technology	Wi-Fi (2.4 GHz)
Special Features	Wireless, Pre-Calibrated, Adjustable Brightness, Weather Resistant, Clock, Lightning Detection
Temperature Accuracy	0.5 °C



Image: Detailed dimensions of both the outdoor sensor and the indoor display unit.



Image: An infographic detailing the features of the outdoor sensor, including anemometer, rain gauge, UV/light sensor, and solar panel.

Warranty and Support

The AcuRite Atlas Professional Weather Station comes with a one-year limited warranty. For product support, technical assistance, or warranty claims, please visit the official AcuRite website or contact their customer service directly. Contact information can typically be found in the original product packaging or on the manufacturer's website.

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Example: How do I reset this device or fix this error?

Details

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