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› AcuRite Iris (5-in-1) Wireless Indoor/Outdoor Weather Station Instruction Manual

## AcuRite 01536MCB

# AcuRite Iris (5-in-1) Wireless Indoor/Outdoor Weather Station Instruction Manual

**Brand:** AcuRite  
**Model:** 01536MCB

## PRODUCT OVERVIEW

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The AcuRite Iris (5-in-1) Wireless Indoor/Outdoor Weather Station provides comprehensive hyperlocal weather information. It connects to your PC via USB, allowing access to remote monitoring through the My AcuRite app and Weather Underground. This system integrates an anemometer, rain gauge, wind vane, hygrometer, and thermometer into a single wireless outdoor sensor, transmitting data to an indoor color LCD display. The display provides real-time updates on indoor/outdoor temperature and humidity, wind speed and direction, barometric pressure, and rainfall. Its self-calibrating forecasting technology analyzes local conditions to provide a personalized 12-hour weather prediction, enhancing your ability to monitor and prepare for changing weather.



Figure 1: AcuRite Iris 5-in-1 Weather Station components including the outdoor sensor, indoor display, and a smartphone illustrating the My AcuRite app.

## KEY FEATURES

- **Real-Time Weather Conditions:** Wirelessly receives and displays indoor/outdoor temperature and humidity, wind speed/direction, barometric pressure, and rainfall.
- **PC Connect Weather Stations:** Easily connect your indoor weather station display to your PC via USB to access remote monitoring through the My AcuRite app and Weather Underground. This allows you to share your local weather data with a global network of personal weather stations.



Figure 2: The weather station display connected to a PC, enabling remote monitoring via the My AcuRite app and Weather Underground.

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Video 1: Official AcuRite video demonstrating the features of the Iris Weather Station with PC Connect Display.

- **Weather Clock:** The indoor display features a large, illuminated color LCD with current time, date, and an adjustable dimmer for easy viewing of indoor and outdoor data.



Figure 3: Detailed view of the indoor display, highlighting its clear presentation of weather data.

- **Weather Forecast:** Patented, self-calibrating technology provides a hyperlocal, personalized weather forecast for the next 12-24 hours by analyzing changes in local pressure and temperature.
- **Multiple Thermometers & Weather Instruments:** Includes a built-in anemometer, wind vane, barometer, hygrometer, rain gauge, and thermometer for comprehensive data.
- **Additional Data Points:** Displays pressure trends with a trend arrow, heat index, dew point, and "feels like" temperature.
- **Indoor Monitoring:** The display also functions as an indoor thermometer and hygrometer, measuring indoor temperature, humidity, and barometric pressure.
- **Ease of Use:** Designed for easy setup, includes necessary mounting hardware, and the outdoor sensor features a 2-year battery life (batteries not included).

## SETUP GUIDE

### 1. Unpacking and Initial Setup

- Carefully remove all components from the packaging. Ensure all parts listed in the included components section are present.
- Install 4 AA batteries (not included) into the outdoor 5-in-1 sensor.
- Connect the power adapter to the indoor display unit and plug it into a power outlet.
- The indoor display and outdoor sensor should automatically connect. Allow a few minutes for the initial data synchronization.

## 2. Outdoor Sensor Placement

Proper placement of the 5-in-1 outdoor sensor is crucial for accurate readings. Choose a location that is:

- **Open and Unobstructed:** Ensure there are no large trees, buildings, or other obstructions that could block wind flow to the anemometer and wind vane, or interfere with rainfall collection.
- **Elevated:** Mount the sensor at least 5 feet (1.5 meters) off the ground for optimal wind and rain readings.
- **Level:** Use the integrated bubble level on the sensor to ensure it is perfectly level for accurate rainfall measurement.
- **Away from Heat Sources:** Avoid placing the sensor near heat-emitting surfaces like concrete or asphalt, which can affect temperature readings.
- **Within Range:** Ensure the sensor is within the wireless range of the indoor display unit.



Figure 4: Illustration of proper outdoor sensor placement for accurate data collection.



Figure 5: Components of the 5-in-1 outdoor sensor, highlighting the high-speed wind anemometer, solar-powered fan, rain funnel, and wind vane.

### 3. PC Connect Setup

To enable remote monitoring and data sharing, connect your indoor display to a PC using a standard USB cable. Ensure your PC remains on and connected to the internet for continuous data upload to My AcuRite and Weather Underground.



CONNECTS TO:



myACURITE

Figure 6: Visual representation of the PC Connect feature, linking the display to online weather services.

### Display Readings

The vibrant color LCD display provides a wealth of information at a glance:

- **Outdoor Temperature & Humidity:** Current readings from the 5-in-1 sensor.
- **Indoor Temperature & Humidity:** Readings from the display unit itself.
- **Wind Speed & Direction:** Current, peak, and average wind speeds (mph, km/h, knots) with a 16-point wind rose.
- **Rainfall:** Daily, weekly, monthly, and total rainfall measurements.
- **Barometric Pressure:** Current pressure with a trend arrow indicating rising, falling, or steady pressure.
- **Weather Forecast:** A 12-24 hour forecast based on your local conditions.
- **Time & Date:** Automatically updated for convenience.
- **"Feels Like" Temperature:** Combines temperature and humidity/wind for a perceived temperature.
- **Heat Index & Dew Point:** Additional environmental metrics.



Figure 7: The display showing the weather forecast and current outdoor conditions.



Figure 8: The display highlighting rainfall measurements and history.

## Custom Alarms

Set programmable alarms for various weather conditions, including temperature, humidity, barometric pressure, wind speed, and rainfall. The display will alert you when these conditions are met, allowing you to take timely action.

Your browser does not support the video tag.

## MAINTENANCE

### Battery Replacement

The outdoor 5-in-1 sensor requires 4 AA batteries (not included) and has an estimated 2-year battery life. Replace batteries when the low battery indicator appears on the indoor display. Always use fresh, high-quality alkaline or lithium batteries.

### Sensor Cleaning

Periodically inspect the outdoor sensor for debris, especially in the rain gauge funnel and wind cups. Clear any leaves, dirt, or insects to ensure accurate readings. The solar panel on the sensor should also be kept clean to maintain optimal performance.

## TROUBLESHOOTING

If you encounter issues with your AcuRite Iris Weather Station, consider the following common troubleshooting steps:

- **No Data on Display:**
  - Ensure both the outdoor sensor and indoor display have fresh batteries installed correctly.
  - Verify the outdoor sensor is within wireless range of the indoor display.
  - Check for any strong electronic interference near either unit.
- **Inaccurate Readings:**
  - Confirm the outdoor sensor is placed in an open, unobstructed, and level location, away from direct heat sources.
  - Clean the rain gauge funnel and wind cups/vane of any debris.
  - Allow up to 14 days for the self-calibrating forecast to become accurate as it learns your local environment.
- **PC Connect Issues:**
  - Ensure the USB cable is securely connected to both the display and the PC.
  - Verify the PC is powered on and has a stable internet connection.
  - Check My AcuRite software or Weather Underground settings for proper configuration.

For more detailed troubleshooting and support, please refer to the official User Manual PDF linked in the Warranty and Support section.

## PRODUCT SPECIFICATIONS

| Attribute          | Detail                                             |
|--------------------|----------------------------------------------------|
| Brand              | AcuRite                                            |
| Model Number       | 01536MCB                                           |
| Product Dimensions | 1.2"D x 7"W x 8.1"H (Display)                      |
| Item Weight        | 3.64 Pounds                                        |
| Power Source       | Corded Electric (Display), 4 AA Batteries (Sensor) |
| Material           | Plastic                                            |

| Attribute            | Detail                                   |
|----------------------|------------------------------------------|
| Sensor Technology    | Digital and Mechanical                   |
| Frequency            | 433 MHz                                  |
| Temperature Accuracy | ±1.11°C                                  |
| Display Type         | LCD                                      |
| Included Components  | Power Adapter, Mounting Hardware, Sensor |

## WARRANTY AND SUPPORT

The AcuRite Iris (5-in-1) Wireless Indoor/Outdoor Weather Station comes with a **One-year limited warranty** from the manufacturer, Chaney Instrument.

For detailed instructions, advanced features, and comprehensive troubleshooting, please refer to the official User Manual:

Download Official User Manual  
(PDF)

AcuRite provides USA-based customer service for any inquiries or assistance you may need.

### 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

