AcuRite 02064MA1

AcuRite Iris (5-in-1) 02064 Color Station User Manual

Comprehensive instructions for your AcuRite Iris (5-in-1) 02064 Color Station with Weather Ticker and Future Forecast.

INTRODUCTION

The AcuRite Iris (5-in-1) 02064 Color Station provides detailed, ambient weather information tailored for your exact location. This system includes a 5-in-1 weather sensor and a color weather station display to view indoor and outdoor temperature and humidity, rainfall, wind speed, wind direction, and more. The display features AcuRite's patented Self-Calibrating technology for dependable 12 to 24-hour weather forecasts and an exclusive Weather Ticker for real-time weather information and alerts.

Image: The AcuRite Iris 5-in-1 Weather Station, showing the outdoor sensor, the indoor color display, and a smartphone displaying weather data via the app.

SETUP

1. **Unpack Components:** Carefully remove all components from the packaging. Ensure you have the 5-in-1 outdoor sensor and the indoor color display.

2. **Install Batteries in Outdoor Sensor:** The outdoor unit requires four (4) AA batteries (not included). For optimal performance, especially in cold weather, lithium batteries are recommended. Ensure all batteries are new and correctly oriented.

3. **Power the Indoor Display:** The digital display is powered by a 4.5V power adapter (included) for optimal display color.

Optionally, 3 AA alkaline batteries (not included) can be used for backup power.

4. **Sensor Placement:** Place the 5-in-1 sensor outdoors in an open area to accurately measure temperature, humidity, wind speed, wind direction, and rain. Ensure it is mounted securely and level for accurate rain readings.

5. **Establish Connection:** The outdoor sensor wirelessly sends weather data to the indoor display. Allow a few minutes for the units to synchronize and display readings.

6. **Optional AcuRite Connect Setup:** To view weather information remotely via the internet or a smartphone, connect the indoor display to a computer or laptop using a USB cable. Install the AcuRite Connect software or app to send your data to AcuRite software or Weather Underground.

<div style="text-align:center">Your browser does not support the video tag.</div>

Video: An instructional video demonstrating the setup and features of the AcuRite Weather Station, including sensor placement, display functions, and remote monitoring capabilities.

OPERATING THE DISPLAY

The AcuRite Iris color display provides a wealth of weather information at a glance. Familiarize yourself with the various sections and controls.

Image: A detailed view of the AcuRite Iris 5-in-1 indoor color display, showing various weather metrics like temperature, humidity, wind speed, and rainfall.

- **Weather Forecast:** The display provides a 12 to 24-hour weather forecast based on self-calibrating technology.

- **Temperature & Humidity:** View indoor and outdoor temperature and humidity readings.

- **Rainfall Data:** Track rain precipitation for the current day, week, and month (in inches or millimeters).

- **Wind Information:** Monitor wind speed and direction.

- **Calculated Metrics:** Access Heat Index, Dew Point, and Wind Chill values.

- **Barometric Pressure:** Current barometric pressure readings are displayed.

- **Weather Ticker:** The scrolling Weather Ticker at the bottom of the display streams real-time data, including moon phase, indoor comfort level, "feels like" temperature, and other alerts.

- **Adjustable Backlight:** The illuminated color display features an adjustable dimmer for comfortable viewing in various lighting conditions.

Maintenance

- **Battery Replacement:** Regularly check and replace batteries in the outdoor sensor and indoor display (if using battery backup). For the outdoor sensor, using new lithium batteries can extend operational life, especially in colder climates.

- **Sensor Cleaning:** Periodically inspect the outdoor 5-in-1 sensor for debris, dirt, or insect nests that may obstruct the rain collector, wind cups, or wind vane. Clean gently with a soft cloth and water if necessary.

- **Display Care:** Clean the indoor display with a soft, dry cloth. Avoid abrasive cleaners or solvents.

- **Environmental Considerations:** If located in coastal areas, be aware that sea air corrosion can affect sensors over time. Regular inspection and cleaning are recommended.

Troubleshooting

No Display Connected Error (AcuRite Connect Software):

If the PC Connect software displays a "no display connected" error, try unplugging and re-plugging the USB cable connecting the indoor display to your computer. Ensure the USB port is functioning correctly. If the issue persists, try a different USB port or restart your computer.

Loss of Connection with Outdoor Sensor:

A weak or lost signal from the outdoor sensor can be caused by low batteries, interference, or distance. Replace outdoor sensor batteries with new ones (lithium recommended). Ensure the sensor is within range and free from major obstructions. If the signal drops off with temperature changes, it may indicate failing batteries. You may need to re-establish the connection by going through the setup procedure on the indoor display.

Inaccurate Readings:

Ensure the outdoor sensor is mounted level and in an open area, away from heat sources or obstructions that could affect wind or rain measurements. Calibration may be required for specific readings like rainfall. Refer to the full product manual for detailed calibration instructions.

PC Connect Software Issues (Apple Mac):

Some users have reported connectivity issues with AcuRite PC Connect software on Apple Mac. Ensure your software is up to date. If issues persist, consider checking AcuRite's official support resources for specific Mac troubleshooting guides or community forums.

Specifications

Feature	Detail
Brand	AcuRite
Model Number	02064MA1
Power Source (Display)	Corded Electric (4.5V adapter included), Optional 3 AA alkaline batteries (not included)
Power Source (Sensor)	4 AA batteries required (not included)
Connectivity Technology	433 MHz Wireless
Outdoor Temperature Range	-40 to 158°F (-40 to 70°C)
Temperature Accuracy	1 degree Celsius

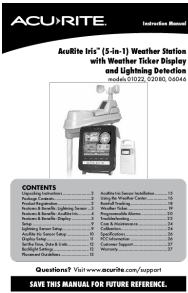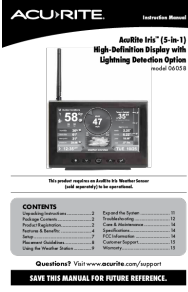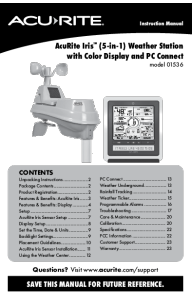| Feature	Detail
Display Dimensions	1.3"D x 7.4"W x 8.2"H
Item Weight	6.5 Pounds
Display Type	LCD Color Display
Included Components	Indoor Display Screen, 5-in-1 Outdoor Sensor

WARRANTY AND SUPPORT

Specific warranty details and direct support contact information are not available in the provided product data. For warranty claims, technical assistance, or further support, please refer to the official AcuRite website or the documentation included with your product at the time of purchase. You may also visit the AcuRite Store on Amazon for additional resources.

Related Documents - 02064MA1

	AcuRite Iris™ (5-in-1) Weather Station with Lightning Detection - Instruction Manual Comprehensive instruction manual for the AcuRite Iris™ (5-in-1) Weather Station, covering setup, operation, features, troubleshooting, and specifications for models 01022, 02080, and 06046. Learn how to install, configure, and maintain your weather station for accurate local weather forecasting and lightning detection.
	AcuRite Iris Wi-Fi Color Display & 5-in-1 Weather Sensor Instruction Manual Comprehensive instruction manual for the AcuRite Iris Wi-Fi Color Display (models 06101/06103) and the AcuRite Iris 5-in-1 Weather Sensor (model 06014). Covers setup, features, operation, calibration, troubleshooting, specifications, and warranty for both components.
	AcuRite Iris (5-in-1) High-Definition Display with Lightning Detection Option - Instruction Manual Comprehensive instruction manual for the AcuRite Iris (5-in-1) High-Definition Display with Lightning Detection Option (model 06058). Covers setup, features, operation, troubleshooting, specifications, and warranty information.

	[AcuRite Iris™ (5-in-1) Weather Station with Color Display and PC Connect Instruction Manual](#) Comprehensive instruction manual for the AcuRite Iris™ (5-in-1) Weather Station with Color Display and PC Connect. Covers setup, features, operation, troubleshooting, and specifications.
	[AcuRite Iris (5-in-1) Direct-to-Wi-Fi Weather Station Quick Setup Guide](#) Learn how to set up your AcuRite Iris (5-in-1) Direct-to-Wi-Fi Weather Station. This guide covers sensor installation, display configuration, and connecting to My AcuRite for remote data access.
	[AcuRite Iris™ (5-in-1) Weather Sensor (Dual Solar Panel) - Instruction Manual](#) Instruction manual for the AcuRite Iris™ (5-in-1) Weather Sensor with Dual Solar Panel (model 06014). Covers package contents, features, setup, placement, installation, calibration, specifications, FCC information, customer support, and warranty details.