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> AcuRite Iris (5-in-1) Home Weather Station with Wi-Fi Connection to Weather Underground with Temperature, Humidity, Wind Speed/Direction, and Rainfall (01540M) , Black

AcuRite 01540M

AcuRite Iris (5-in-1) Home Weather Station Instruction Manual

Model: 01540M

Brand: AcuRite

PRODUCT OVERVIEW

The AcuRite Iris (5-in-1) Home Weather Station provides real-time weather conditions directly to your home. This digital weather station features an easy-to-read color LCD display and offers Wi-Fi connectivity to Weather Underground for remote monitoring and data sharing.

Key Features:

- **Real-Time Weather Conditions:** Wirelessly receive readings for indoor/outdoor temperature and humidity, wind speed/direction, barometric pressure, and rainfall.
- **Comprehensive Display:** Large, color LCD Display with current time, date, and adjustable dimmer for easy viewing.
- **WiFi Connectivity:** Connect to Weather Underground for remote monitoring and sharing of your weather data.
- **Extensive Data Points:** Access over 25 data points, including historical data, heat index, dew point, wind chill, and enhanced rainfall history.
- **Integrated Sensors:** Built-in anemometer, wind vane, barometer, hygrometer, rain gauge, and thermometer for hyperlocal data.
- **Personalized Forecast:** Provides a 12-hour weather forecast based on local elevation and barometric pressure data.



Figure 1: AcuRite Iris 5-in-1 Weather Station with outdoor sensor and indoor display unit.

SETUP GUIDE

1. Initial Setup

The AcuRite Iris (5-in-1) Weather Station is designed for easy setup. Begin by installing batteries in both the indoor display unit and the outdoor sensor. The outdoor sensor requires 2 AA batteries (not included). Once batteries are installed, the units should automatically connect.



Figure 2: Rear view of the indoor display unit, showing the battery compartment.

Next, attach the wireless outdoor sensor to a pole or post using the included mounting bracket. Ensure the sensor is placed in an open area for accurate wind and rain measurements, and that the solar panels face south for optimal charging.



Figure 3: The outdoor 5-in-1 sensor mounted on a pole, ready for data collection.

2. Wi-Fi Connection to Weather Underground

To connect your display to Wi-Fi and share data with Weather Underground, follow these steps:

1. From a smartphone, tablet, or Wi-Fi-enabled computer, open an internet browser and type 192.168.4.1 in the URL bar. **DO NOT PRESS ENTER YET.**
2. Ensure you are near your AcuRite display unit for the strongest connection.
3. Open your device's network settings and connect to the Wi-Fi network named after your AcuRite Wi-Fi Display Model Number. (e.g.,