

CRAFTSMAN CMXWDCR01543

CRAFTSMAN Personal Weather Station

MODEL: CMXWDCR01543

Introduction

The CRAFTSMAN Personal Weather Station provides comprehensive environmental data for your home or workshop. This device accurately measures indoor and outdoor temperature and humidity, wind speed, and barometric pressure. It also offers a personalized 12-hour weather forecast based on hyperlocal data collected from your immediate surroundings. The backlit color display ensures clear readability, and the system includes a built-in barometer for pressure readings.

Package Contents

- Digital Display Unit
- Outdoor Wireless Weather Sensor (with anemometers)
- Mounting Bracket and Hardware for Outdoor Sensor
- 5V AC Power Adapter for Indoor Display
- Instruction Manual

Setup Guide

1. Outdoor Wireless Weather Sensor Setup

The outdoor sensor is designed for easy installation. It accurately measures temperature, humidity, and wind speed, transmitting data wirelessly to the indoor display via a 433 MHz signal. For optimal performance, mount the sensor in an open area, away from obstructions, heat sources, and sprinkler systems.

- **Powering the Sensor:** The outdoor wireless sensor requires four (4) AA alkaline or lithium batteries (not included). Ensure batteries are inserted correctly according to polarity markings.
- **Mounting Options:** Use the included mounting bracket to securely attach the sensor to a pole or a flat surface outside your home. Ensure the sensor is level for accurate readings.



Image: The outdoor wireless weather sensor (right) and the indoor display unit (left). The sensor features wind cups for speed measurement and stacked plates for temperature and humidity sensing.



Image: The outdoor wireless weather sensor mounted on a pole, positioned to accurately measure environmental conditions.

2. Indoor Display Unit Setup

The indoor display unit presents all collected weather data in an easy-to-read format. It is powered by an AC adapter with an optional battery backup.

- **Powering the Display:** Plug the included 5V AC adapter into the display unit and a standard wall outlet. For optional battery backup, install three (3) AA alkaline or lithium batteries (not included) into the battery compartment. This ensures historical records are saved during a power outage.
- **Placement:** The display features an integrated fold-out tabletop stand for desktop use or integrated keyholes for wall-mounting. Place the display in a central location within range of the outdoor sensor.



Image: A close-up of the indoor display unit, showing various weather parameters such as outdoor and indoor temperature, wind speed, time, date, future forecast, and barometric pressure.

3. Initial Synchronization

Once both the outdoor sensor and indoor display are powered, they will automatically attempt to synchronize. This process may take a few minutes. Ensure both units are within range of each other (up to 330 feet).

Video: An official product video demonstrating the CRAFTSMAN Personal Weather Station, highlighting its features and components. This video provides a visual overview of the product's design and functionality.

Operating Instructions

Understanding the Display

The backlit color display provides a clear overview of current weather conditions:

- **Outdoor Temperature & Humidity:** Displays current readings from the outdoor sensor, along with all-

time high and low records.

- **Indoor Temperature & Humidity:** Displays current readings from the indoor display unit.
- **Wind Speed:** Shows current, peak, and average wind speeds in easy-to-read white digits.
- **Future Forecast:** A personalized 12-hour forecast based on your hyperlocal weather data. The system learns your weather patterns over time to improve accuracy.
- **Barometric Pressure:** Current barometric pressure with a trend arrow indicating rising, falling, or steady pressure.
- **Date & Time:** Automatically adjusts for daylight saving time.



Image: A hand pressing a button on the indoor display unit, demonstrating user interaction with the controls to navigate or adjust settings.

Display Features

- **Auto-Dim Feature:** The display includes an automatic dimming option for comfortable viewing at night without disrupting sleep.
- **High/Low Records:** Use the arrows on the display to view high and low records for temperature and humidity.
- **Manual Calibration:** Temperature, humidity, and barometric pressure can be manually calibrated for precise measurements. Refer to the detailed instruction manual for specific steps.

Maintenance

Battery Replacement

- **Outdoor Sensor:** Replace the four (4) AA alkaline or lithium batteries when the low battery indicator appears on the indoor display.
- **Indoor Display:** If using battery backup, replace the three (3) AA alkaline or lithium batteries when the low battery indicator appears.

Cleaning

- **Display Unit:** Clean the display with a soft, damp cloth. Avoid abrasive cleaners.
- **Outdoor Sensor:** Periodically check the outdoor sensor for debris (leaves, insects, etc.) that may obstruct the wind cups or ventilation openings. Clean gently with a soft cloth or brush.

Troubleshooting

- **No Signal/Intermittent Signal:** Ensure the outdoor sensor and indoor display are within the 330-foot range. Check for potential interference from large metal objects, thick walls, or other electronic devices. Verify outdoor sensor batteries are fresh and correctly installed.
- **Inaccurate Wind Speed:** Confirm the outdoor sensor is mounted in an open area, free from obstructions like trees or buildings that could block wind flow. Ensure the sensor is level.
- **Incorrect Barometric Pressure:** If manual calibration is not functioning, refer to the full instruction manual for advanced settings or contact support.
- **LCD Display Issues:** If the display appears faded or difficult to read from certain angles, adjust your viewing position. The auto-dim feature can be adjusted for brightness.
- **Outdoor Sensor Battery Issues (e.g., overheating, rust):** This may indicate water ingress. Ensure the battery compartment is sealed properly after battery installation. If issues persist, the sensor may be damaged and require replacement.

Specifications

Brand	CRAFTSMAN
Model Number	CMXWDCR01543
Recommended Uses	Home
Specific Uses	Humidity, Temperature, Wind Speed, Barometric Pressure
Power Source (Indoor Display)	Corded Electric (5V adapter) with optional battery backup
Power Source (Outdoor Sensor)	4 AA batteries required (alkaline or lithium)
Special Features	Barometer, Clock, Thermometer, Hygrometer, Anemometer, Hyperlocal Forecasting, Backlit Color Display, Auto-Dim
Connectivity Technology	433 MHz Wireless

Temperature Accuracy	±1 °C
Upper Temperature Rating	140 Degrees Fahrenheit
Display Type	LCD
Color	Red (Display) / White (Sensor)

Warranty and Support

This CRAFTSMAN Personal Weather Station comes with a **Limited One-Year Warranty**. For warranty claims, technical support, or further assistance, please refer to the contact information provided in your product's original packaging or visit the official CRAFTSMAN support website.