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**Raddy WM6**

# Raddy WM6 Wireless Weather Station User Manual

Model: WM6

## 1. INTRODUCTION

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The Raddy WM6 is a versatile wireless weather station designed to provide comprehensive environmental data for both indoor and outdoor conditions. It features a clear display and a range of functions to help you monitor your surroundings effectively.

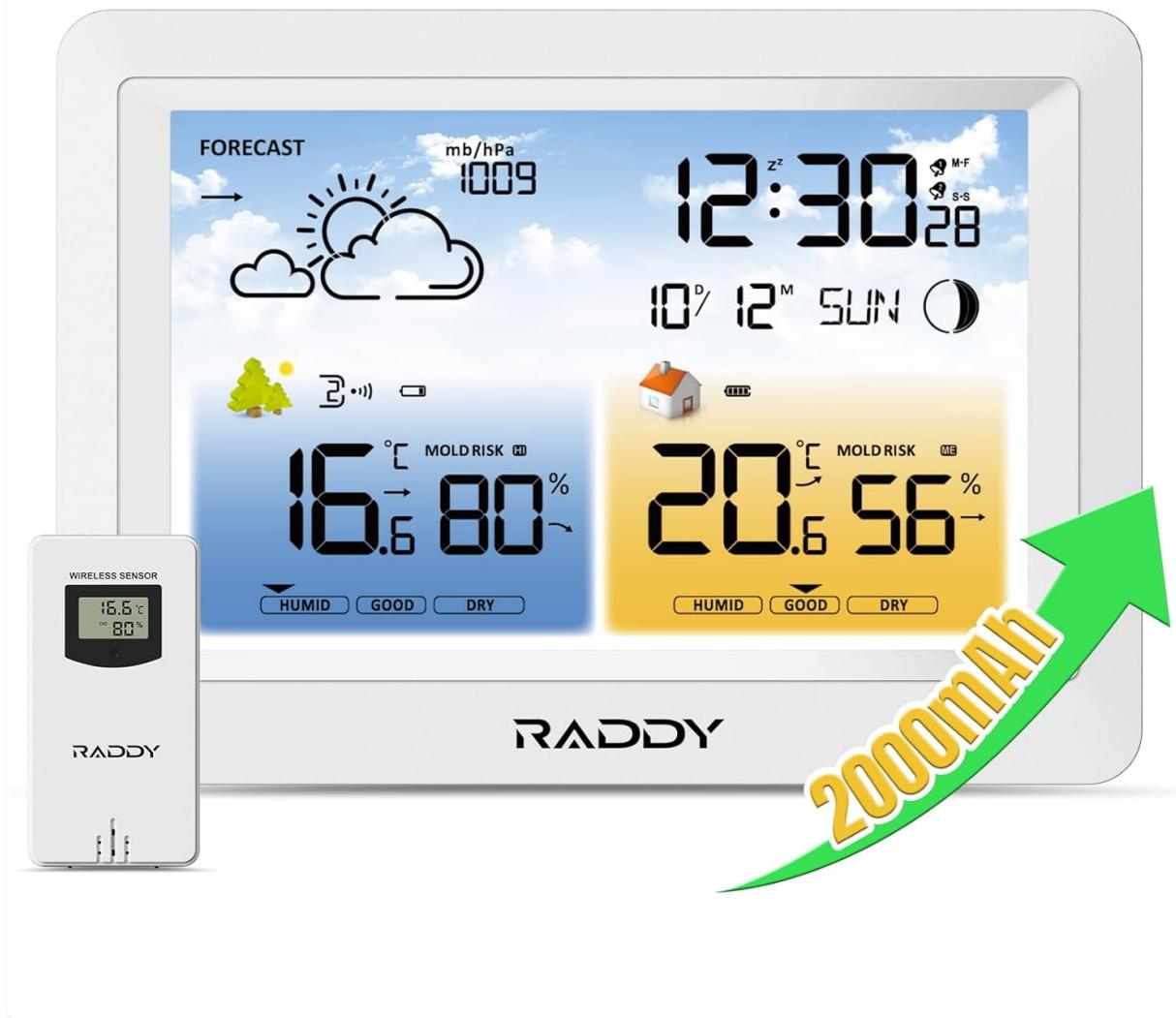


Image 1.1: The Raddy WM6 main console and its wireless remote sensor.

## Key Features:

- **Comprehensive Data:** Displays calendar, 12-hour weather forecast, indoor/outdoor temperature (°C/°F) and humidity, barometric pressure, comfort level, mold risk, and moon phase.
- **DCF Atomic Clock:** Automatic time synchronization for precise timekeeping, eliminating manual adjustments.
- **Dual Alarms:** Customizable alarms for weekdays and weekends.
- **Adjustable Brightness:** Screen brightness can be scheduled and adjusted to suit different times of day.
- **Expandable Monitoring:** Supports up to 3 remote sensors (R3 model) with a transmission range of up to 100 meters.
- **Dual Power Options:** Operates via AC adapter or a built-in 2000mAh rechargeable battery for wireless use.

# MULTIPURPOSE WEATHER STATION



Image 1.2: Visual representation of the weather station's various functions including calendar, forecast, temperature, humidity, barometer, comfort level, mold risk, moon phase, atomic clock, and high/low alerts.

## 2. PACKAGE CONTENTS

Please check the package carefully to ensure all items are present and undamaged.

- WM6 Main Console
- AC Power Adapter
- Remote Sensor (R3 model)
- Mounting Hardware (screws and anchors)
- User Manual

## 3. SETUP

### 3.1 Powering the Main Console

The WM6 console offers two power options:

- AC Adapter:** For continuous operation, plug the provided AC adapter into the console and a power outlet.
- Built-in Battery:** The console has a 2000mAh rechargeable battery for wireless use. A full charge can last up to 45 days depending on brightness settings. When using the screen for extended periods, it is recommended to connect the AC adapter to prevent rapid battery discharge and ensure consistent functionality.



## ① PLUGGED IN THE POWER ADAPTER



## ② POWERED BY A BUILT-IN BATTERY

Image 3.1: The two power options for the WM6 console: AC adapter or internal 2000mAh battery.

# UP TO 45 DAYS OF WORKING TIME

## Features high capacity 2000mAh battery

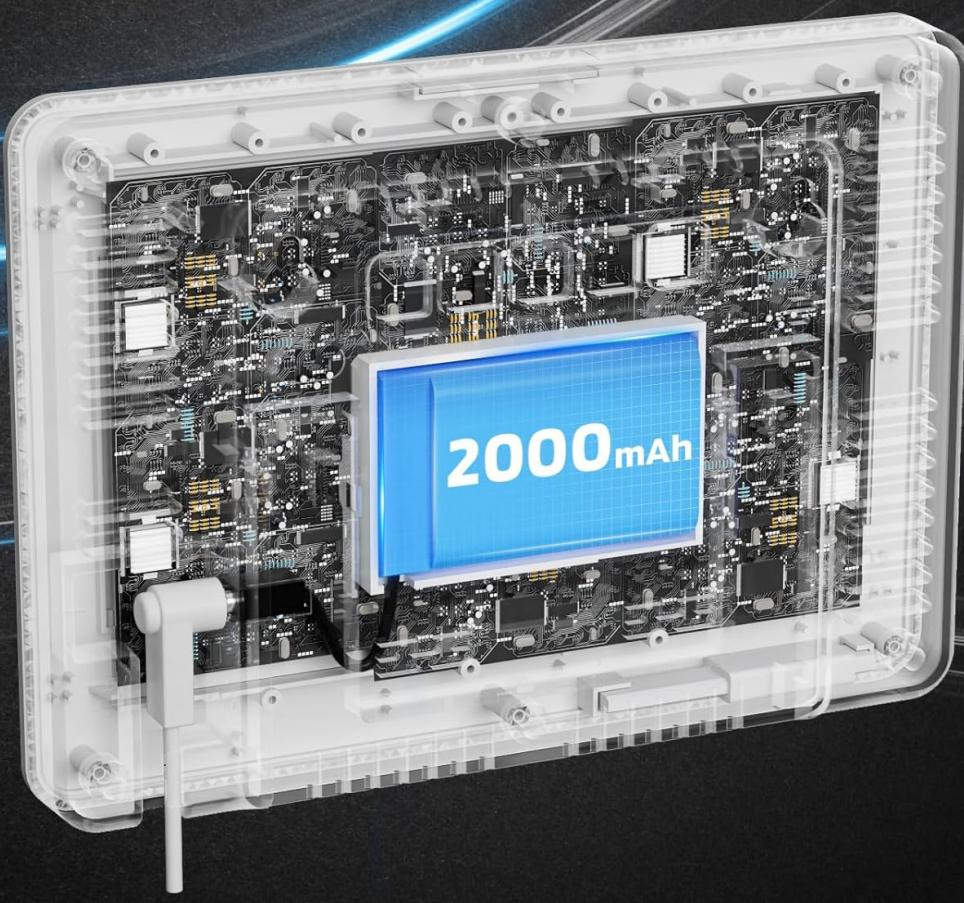


Image 3.2: An internal diagram showing the integrated 2000mAh battery, providing up to 45 days of working time.

### 3.2 Installing the Remote Sensor

Insert 2 AA batteries (not included) into the remote sensor. Place the sensor outdoors in a shaded, dry location, protected from direct sunlight and rain, to ensure accurate readings. The sensor has a transmission range of up to 100 meters (330 feet).

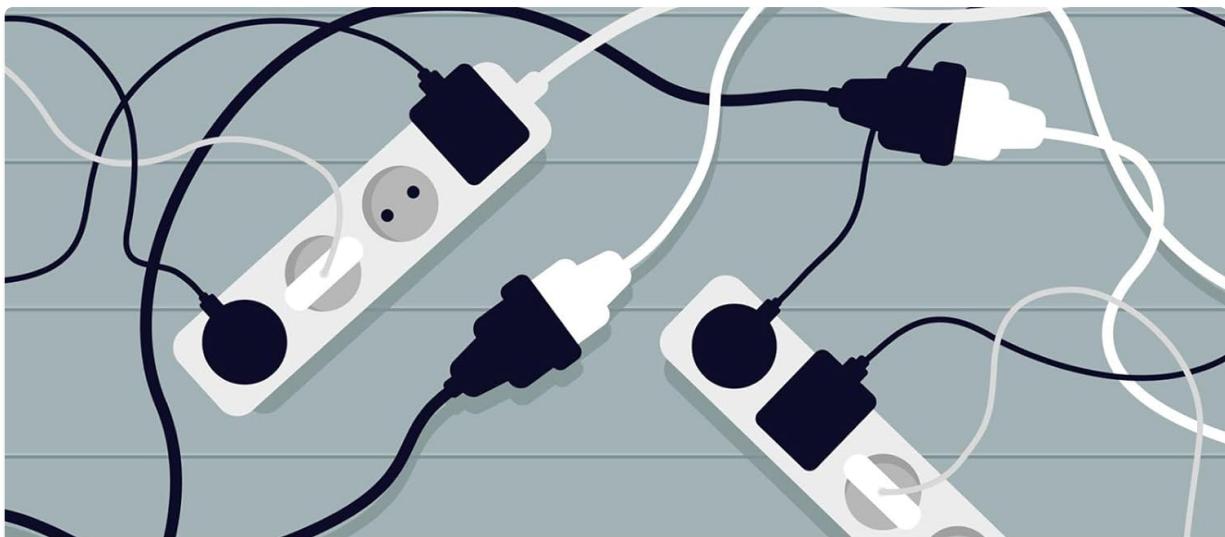
### 3.3 Initial Synchronization and Settings

Upon first power-up, the main console will automatically search for the remote sensor and attempt to synchronize with the DCF atomic clock signal. This process may take several minutes. Ensure the console is not charging during initial setup for optimal signal reception.

- **DCF Time Synchronization:** The atomic clock automatically sets the time and date.
- **Manual Settings:** If automatic synchronization fails or for specific preferences, refer to the detailed instructions in the manual for setting time zone, date format, temperature units (°C/°F), and barometric pressure calibration.

### 3.4 Wall Mounting

The WM6 console is designed for wall mounting. Use the provided mounting hardware to secure it to a desired location. The wireless operation due to the built-in battery allows for a clean, cable-free installation.



**Messy wires, bound by the socket.**



**Neatly hung on the wall, free from the socket.**

Image 3.3: The WM6 console neatly mounted on a wall, demonstrating its wireless capability.

## 4. OPERATING THE DEVICE

### 4.1 Display Information

The main console displays a variety of information:

- **Time and Date:** Synchronized by the DCF atomic clock.
- **12-Hour Weather Forecast:** Icons indicate predicted weather conditions.
- **Indoor Temperature & Humidity:** Current readings from the main console.
- **Outdoor Temperature & Humidity:** Current readings from the remote sensor.
- **Barometric Pressure:** Current atmospheric pressure.
- **Comfort Level:** Indicates indoor comfort based on temperature and humidity.
- **Mold Risk:** Assesses the risk of mold growth based on environmental conditions.
- **Moon Phase:** Displays the current lunar phase.

- **High/Low Alerts:** Customizable alerts for temperature and humidity thresholds.

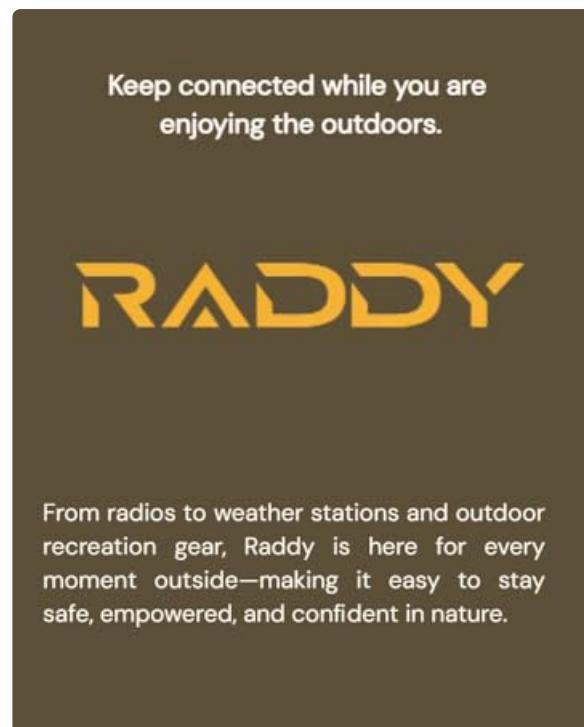


Image 4.1: The display indicating mold risk levels (HI-ME-LO-NO) and comfort levels based on humidity.



Image 4.2: The 12-hour weather forecast feature, showing various weather conditions.

## 4.2 Brightness Adjustment

The screen brightness can be adjusted to four levels (OFF, 1%, 60%, 100%). You can also schedule specific brightness levels for different times of the day, for example, 60% brightness from 8:00 AM to 6:00 PM and OFF from 6:00 PM to 11:00 PM.

# SCHEDULE SPECIFIC BRIGHTNESS LEVELS

## Up to 45 days of working time



Image 4.3: Examples of the WM6 display at various brightness settings (OFF, 1%, 60%, 100%).



Image 4.4: The console demonstrating scheduled brightness levels, such as 60% during the day and off in the evening.

### 4.3 Alarm Functions

The WM6 features dual alarms that can be configured for weekdays, weekends, or daily use. A snooze function is also available.

# ATOMIC CLOCK WITH DCF



## DUAL ALARM CLOCKS



Image 4.5: The atomic clock display with an indicator for the snooze function and dual alarm settings for weekdays and weekends.

### 4.4 Remote Sensor Monitoring

The console can connect to up to 3 remote sensors (R3 model) to monitor different areas such as baby rooms, kitchens, or gardens. The display will cycle through the readings from each connected sensor.

# UP TO 3 CHANNELS FOR REMOTE SENSORS



Transmission Range Up to 330ft(100m)



Image 4.6: The WM6 console receiving data from multiple remote sensors placed in different rooms and outdoors, with a transmission range of up to 100m.

## 4.5 High/Low Alerts

Set customizable high and low alerts for temperature and humidity to be notified when conditions exceed or fall below your desired thresholds. This feature helps in maintaining optimal indoor environments and preventing issues like mold.



Image 4.7: The weather station displaying alerts for high/low temperatures and mold risk, useful for monitoring conditions in sensitive areas like a child's room.

## 5. MAINTENANCE

### 5.1 Battery Care

The WM6 console's built-in 2000mAh battery is rechargeable. To prolong battery life, avoid frequent deep discharges. Recharge the console using the provided AC adapter when the battery indicator shows low power. The use of rechargeable batteries contributes to environmental sustainability by reducing waste from disposable batteries.



Image 5.1: The WM6's rechargeable battery eliminates the need for disposable batteries, promoting environmental responsibility.

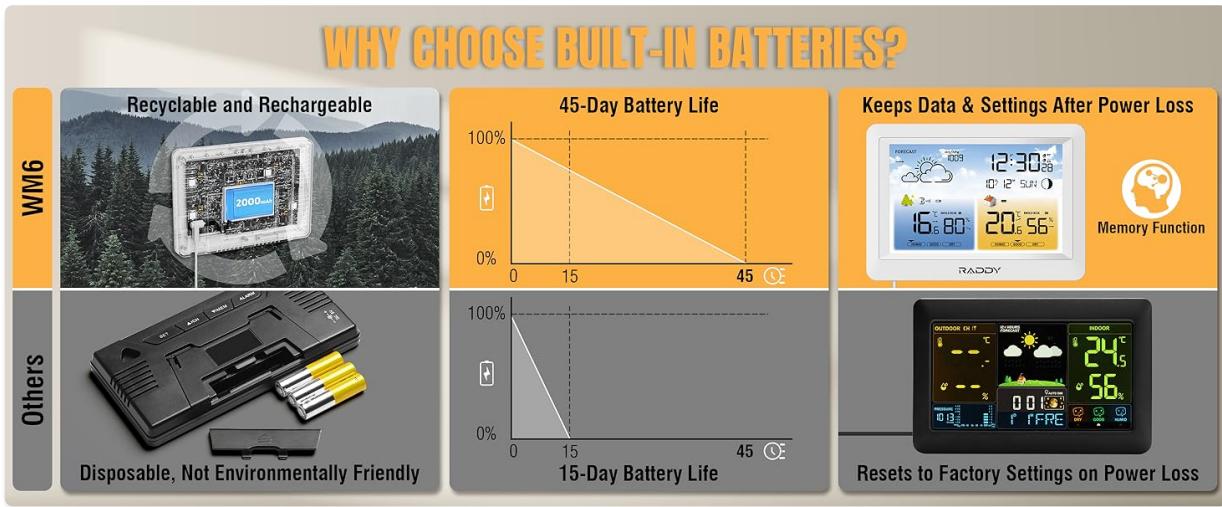


Image 5.2: A comparison highlighting the benefits of the WM6's built-in rechargeable battery, including longer life and data retention after power loss, versus disposable batteries.

For the remote sensor, replace AA batteries when the low battery indicator appears on the console or sensor display.

## 5.2 Cleaning

Wipe the console and sensor with a soft, dry cloth. Do not use abrasive cleaners or solvents, as these may damage the surfaces.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor temperature/humidity reading	Remote sensor not paired or out of range; low sensor battery.	Ensure sensor batteries are fresh. Move sensor closer to the main console. Re-pair the sensor by following the instructions in the full manual.
Time is incorrect or not setting automatically	DCF signal interference or weak signal; incorrect time zone setting.	Move the console away from electronic devices that may cause interference. Ensure the console is placed near a window for better signal reception. Manually set the time zone.
Display is dim or off	Low console battery; brightness set to OFF or low level; scheduled brightness.	Charge the console battery. Adjust brightness settings. Check scheduled brightness settings.
Inaccurate temperature/humidity readings	Sensor exposed to direct sunlight, rain, or heat sources; console placed near heat/cold sources.	Relocate the sensor to a shaded, protected area. Ensure the console is not near windows, vents, or appliances that affect temperature.

## 7. SPECIFICATIONS

Feature	Detail

Feature	Detail
Model Number	988309012
Dimensions (L x W x H)	16 x 11.43 x 2.54 cm (Console); 9 x 4.5 cm (Sensor)
Weight	540 grams
Power Source	Rechargeable Battery (2000mAh Lithium-ion, included) and AC Adapter
Remote Sensor Batteries	2 x AA (not included)
Connectivity Technology	433.92 MHz
Transmission Range	Up to 100 meters (330 feet)
Material	Plastic
Special Features	Adjustable Brightness, Alarm, Clock, Customizable Alert, Pre-Calibrated, Wireless

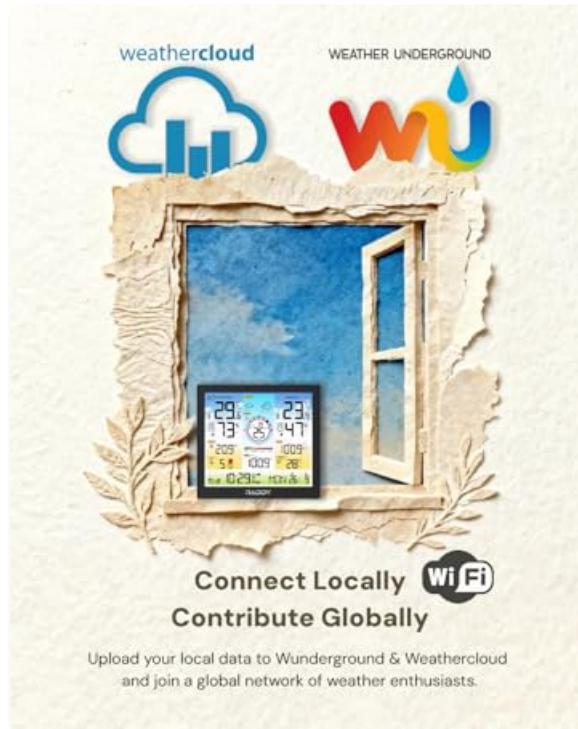


Image 7.1: Dimensions of the Raddy WM6 main console and its wireless sensor.

## 8. WARRANTY AND SUPPORT

Warranty information for the Raddy WM6 Wireless Weather Station is typically provided with your purchase documentation. Please refer to the warranty card or contact the retailer/manufacturer directly for details regarding warranty coverage and claims.

For technical support, product inquiries, or assistance with troubleshooting beyond this manual, please visit the official Raddy website or contact their customer service department. Information regarding spare parts availability is currently not provided.

## Related Documents - WM6

	<p><b>RADDY DT6 Wireless Weather Station User Manual</b></p> <p>Comprehensive user manual for the RADDY DT6 wireless weather station, detailing its features, operation, setup, and specifications across multiple languages including English, German, French, Italian, and Spanish.</p>
	<p><b>Raddy VP7 Professional Weather Station User Manual: Setup, Features, and Operation</b></p> <p>Comprehensive user manual for the Raddy VP7 Professional Weather Station. Learn about its features, setup, operation, specifications, and troubleshooting for accurate indoor and outdoor environmental monitoring.</p>
	<p><b>Raddy V5 Weather Station User Manual</b></p> <p>Comprehensive user manual for the Raddy V5 wireless weather station, detailing features, setup, operation, and troubleshooting for temperature, humidity, and weather forecasting.</p>
	<p><b>Raddy VP7 Professional Weather Station User Manual</b></p> <p>Comprehensive user manual for the Raddy VP7 Professional Weather Station, covering features, setup, operation, readings, alerts, weather forecasting, and technical specifications.</p>
	<p><b>Raddy WF-80C Wireless Weather Station User Manual</b></p> <p>User manual for the Raddy WF-80C wireless weather station, covering features like DCF time, multi-language support, alarms, temperature/humidity monitoring, and weather forecasting.</p>

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### [Raddy WM6 Weather Station User Manual](#)

Comprehensive user manual for the Raddy WM6 weather station, detailing features, setup, operation, and maintenance. Learn about temperature, humidity, atmospheric pressure, and forecasting functions.