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Raddy WF-80C

Raddy WF-80C Wireless Weather Station Instruction Manual

Brand: Raddy | Model: WF-80C

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Raddy WF-80C Wireless Weather Station. This device offers comprehensive monitoring of indoor and outdoor environmental conditions, including temperature, humidity, barometric pressure, and weather forecasts. It also features an atomic clock with dual alarms and moon phase tracking.

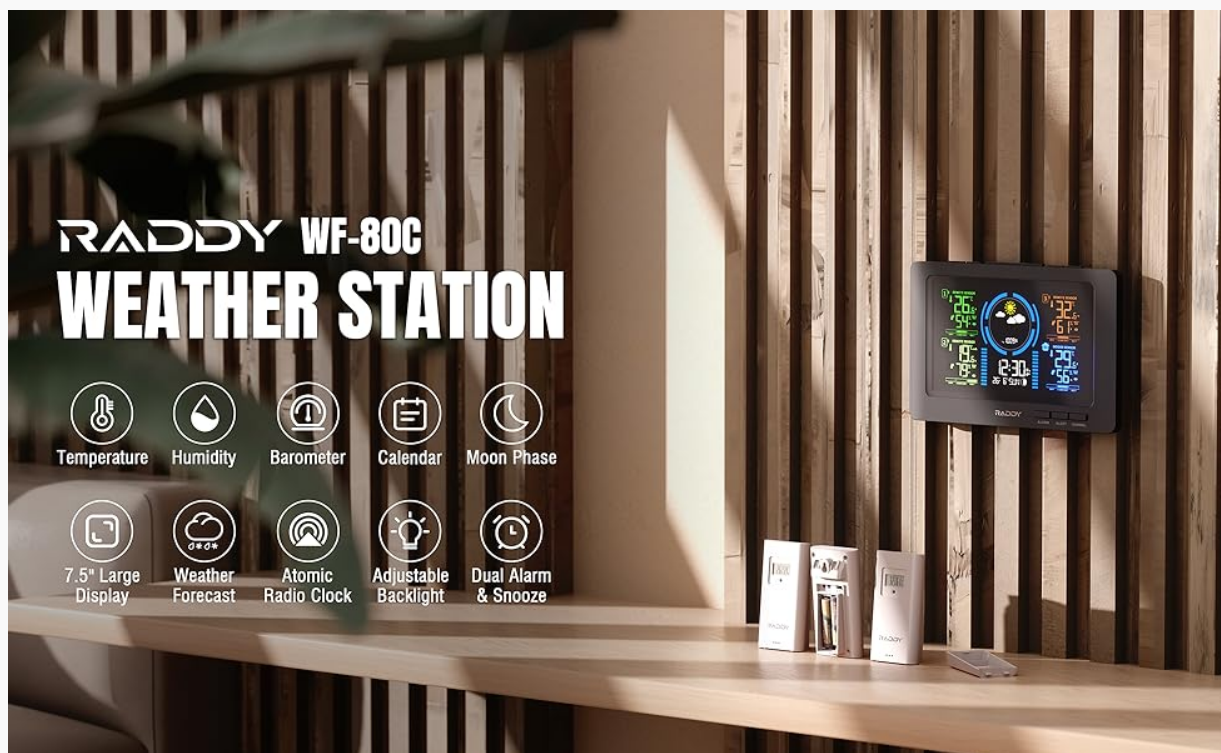


Figure 1: Raddy WF-80C Wireless Weather Station with main unit and three remote sensors.

2. PACKAGE CONTENTS

- 1 x Raddy WF-80C Main Display Unit
- 3 x Wireless Outdoor Sensors (R4 model)

- 1 x AC Power Adapter
- 1 x User Manual
- Batteries (1 Lithium Metal for main unit, 6 AAA for sensors)



Figure 2: Package contents of the Raddy WF-80C Weather Station.

3. SETUP

3.1 Powering the Main Unit

1. Insert the included Lithium Metal battery into the main unit's battery compartment. This battery serves as a backup for settings during power outages.
2. Connect the AC power adapter to the main unit and plug it into a power outlet. The display will light up.

3.2 Installing Batteries in Outdoor Sensors

1. Open the battery compartment on each of the three wireless outdoor sensors.
2. Insert 2 new AAA batteries into each sensor, ensuring correct polarity.
3. Close the battery compartments.

3.3 Pairing Sensors with Main Unit

The sensors should automatically pair with the main unit once powered on. Allow a few minutes for the main unit to receive data from all three sensors. If a sensor does not connect, ensure it is within the 100m (330ft) transmission range and press the 'CH' button on the main unit to manually search for sensors.



Figure 3: Multi-zone monitoring with three wireless remote sensors.

3.4 Sensor Placement

Place outdoor sensors in shaded, dry locations away from direct sunlight and rain to ensure accurate readings and prolong battery life. The sensors have a 100m (330ft) range.

3.5 Mounting Options

The main unit can be placed on a tabletop using its integrated kickstand or wall-mounted using the keyhole slots on the back.



Figure 4: Main unit with table stand and wall-mounting options.

3.6 Setup Video Guide

Video 1: A visual guide demonstrating the setup process, including battery installation and initial configuration (Note: This video is for a similar model, but the setup steps are generally applicable).

4. OPERATING INSTRUCTIONS

4.1 Display Overview

The 7.5" color display provides a clear overview of all measured data. It features dedicated sections for indoor temperature/humidity, outdoor temperature/humidity (for up to 3 sensors), weather forecast, moon phase, time, date, and comfort indicators.

7.5" Large Colorful Display



Temperature



Humidity



Barometer



Trends



Weather
Forecast



Clock &
Calendar



Alarm &
Snooze



Moon
Phase



Comfort
Level



Mold
Risk

Figure 5: Detailed view of the 7.5" color display.

4.2 Button Functions

Buttons on the front/top of the unit allow for easy operation:

- **ALARM:** Set and activate/deactivate alarms.
- **CH (Channel):** Switch between outdoor sensor channels (1, 2, 3) or initiate a search for sensors.
- **ALERT:** Set high/low temperature/humidity alerts.
- **SNZ/LIGHT:** Snooze alarm, adjust backlight brightness, or turn off backlight.
- **DOWN/UP:** Adjust values during settings.
- **MODE:** Enter settings mode for time, date, and other parameters.



Easy to Operate

Convenient Setup with Front and Top Panel Buttons

Figure 6: Convenient front and top panel buttons for easy operation.

4.3 Time and Date Setting (Atomic Clock)

The WF-80C features an RCC atomic timekeeping function for accurate, self-adjusting time. Upon initial setup, it will attempt to synchronize. If manual adjustment is needed:

1. Press and hold the 'MODE' button to enter time setting mode.
2. Use 'UP' and 'DOWN' buttons to adjust values (e.g., 12/24-hour format, hour, minute, year, month, day).
3. Press 'MODE' to confirm each setting and move to the next.



Figure 7: Atomic Clock with DCF Feature for precise timekeeping.

4.4 Weather Forecast and Barometric Pressure

The station provides a 6-icon weather forecast based on barometric pressure trends. It also displays the current barometric pressure and its tendency.

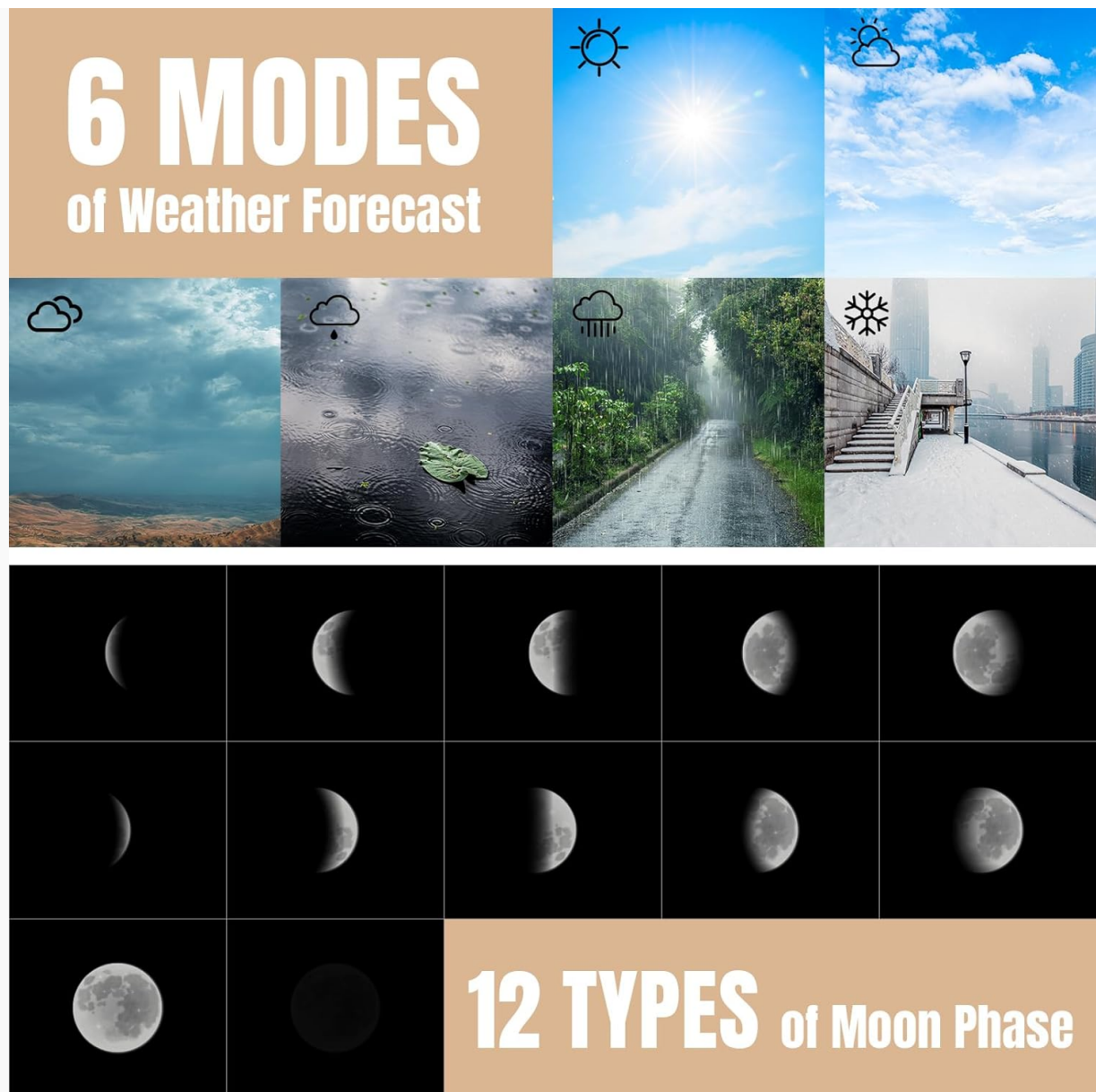


Figure 8: Weather forecast icons and moon phase display.

4.5 Comfort Level and Mold Risk Indicators

The display includes comfort level indicators (Dry, Comfort, Wet) and mold risk alerts, which are determined by indoor humidity levels.

Intimate Weather Monitor

4 MOLD RISK LEVELS

HI-ME-LO NO ☹️ 😐 😊 ✨



Allergic Rhinitis



Headaches



Cold



Peeling Wallpaper



3 COMFORT LEVELS

DRY

COMFORT

WET

Figure 9: Comfort level and mold risk indicators for indoor environment.

4.6 Adjustable Backlight and Night Mode

The display offers five brightness levels. An automatic night mode can be configured for reduced brightness during specific hours, ideal for bedrooms.

5 Adjustable Brightness Levels

Customizable Night Mode Brightness



Figure 10: Five adjustable brightness levels for optimal viewing.

4.7 Alarms and Alerts

Set dual alarms for different times (e.g., weekdays/weekends). High/low alerts can be configured for temperature and humidity to notify you when conditions exceed preset ranges.



Figure 11: High/Low Alerts for temperature and humidity.



Figure 12: Dual alarm clocks for flexible scheduling.

4.8 USB Charging Port

The main unit includes a USB port for charging external devices like smartphones.

5. MAINTENANCE

5.1 Battery Replacement

Replace batteries in the outdoor sensors annually or when the low battery indicator appears on the main unit. Ensure to use fresh AAA batteries.

5.2 Cleaning

Wipe the display and sensor units with a soft, dry cloth. Avoid using abrasive cleaners or solvents.

6. TROUBLESHOOTING

- **No outdoor sensor data:** Ensure sensors have fresh batteries and are within range. Press the 'CH' button on the main unit to manually search. Avoid major obstructions between sensors and the main unit.
- **Incorrect time/date:** Verify the atomic clock signal reception. If necessary, manually set the time and date via the 'MODE' button.
- **Display issues:** Check the power connection. Adjust backlight brightness using the 'SNZ/LIGHT' button.
- **Alarm cannot be turned off:** If an alarm is active and cannot be deactivated through the 'ALARM' button, try removing the backup battery and unplugging the unit for a few minutes to perform a hard reset.





7. SPECIFICATIONS

- **Brand:** Raddy
- **Model:** WF-80C
- **Power Source:** Battery Powered (1 Lithium Metal included for main unit, 6 AAA for sensors)
- **Product Dimensions:** 4.83 x 21.59 x 13.97 cm; 710 g
- **Special Features:** 3 Sensors, Adjustable Brightness, Alarm, Clock, Large Display, Atomic Clock, Weather Forecast, Moon Phase, Comfort Indicators, Mold Risk Alerts, USB Charging Port
- **Transmission Range:** Up to 100m (330ft) for outdoor sensors
- **Manufacturer:** Raddy
- **Country of Origin:** China

8. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the contact details provided in your product packaging or visit the official Raddy website. Keep your purchase receipt for warranty claims.

Related Documents - WF-80C

 <p>RADDY VP7 PROFESSIONAL WEATHER STATION User Manual</p>	<p>Raddy VP7 Professional Weather Station User Manual: Setup, Features, and Operation</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>RADDY WF-50 WEATHER STATION USER MANUAL</p>	<p>Raddy WF-50 Weather Station User Manual: Features, Setup, and Operation</p> <p>Comprehensive user manual for the Raddy WF-50 digital weather station. Covers features, initial setup, temperature/humidity monitoring, weather forecasting, and operational details.</p>
 <p>RADDY WF-55C WEATHER STATION USER MANUAL</p>	<p>Raddy WF-55C Weather Station User Manual</p> <p>User manual for the Raddy WF-55C Weather Station, providing detailed instructions on setup, features, operation, alerts, troubleshooting, and technical specifications for monitoring indoor and outdoor temperature, humidity, and weather forecasts.</p>
 <p>RADDY WF-80C</p>	<p>Raddy WF-80C Wireless Weather Station User Manual</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>
 <p>RADDY V5 WEATHER STATION USER MANUAL</p>	<p>Raddy V5 Weather Station User Manual</p> <p>Comprehensive user manual for the Raddy V5 Weather Station, detailing features, setup, operation, alarm functions, weather forecasting, and alerts. Includes instructions for time setting, alarms, RF transmission, and interpreting weather data.</p>

RADDY
WF-80C



[Raddy WF-80C User Manual - Wireless Weather Station](#)

Comprehensive user manual for the Raddy WF-80C wireless indoor/outdoor weather station. Learn about its large color display, outdoor sensors, and operation.