

Raddy R5

Raddy R5 Indoor Outdoor Wireless Remote Sensor

Instruction Manual

1. INTRODUCTION

Thank you for choosing the Raddy R5 Indoor Outdoor Wireless Remote Sensor. This sensor is designed to provide accurate temperature and humidity readings, seamlessly integrating with your Raddy VP7 Professional Weather Station. This manual provides essential information for setting up, operating, and maintaining your R5 sensor to ensure optimal performance.



Figure 1: Front view of the Raddy R5 Wireless Remote Sensor, displaying temperature and channel information.

2. WHAT'S IN THE BOX

- Raddy R5 Remote Sensor x 1

3. SETUP

3.1 Battery Installation

1. Locate the battery compartment on the back of the R5 Remote Sensor.
2. Open the battery compartment cover.
3. Insert **two (2) AA batteries** (not included) into the compartment, ensuring correct polarity (+/-).
4. Close the battery compartment cover securely.



Figure 2: The Raddy R5 sensor with its battery compartment open, showing the placement for two AA batteries.

3.2 Synchronization with Raddy VP7 Weather Station

To ensure proper data transmission, follow these steps for synchronization:

1. First, ensure your Raddy VP7 Weather Station console has its batteries installed and is powered on.
2. Then, insert the batteries into the R5 Remote Sensor as described in Section 3.1.
3. The sensor will automatically attempt to connect with the VP7 console. Allow a few minutes for the devices to establish a connection.
4. Once connected, the R5 sensor's readings will appear on the VP7 console's display.

3.3 Optimal Placement

Proper placement of the R5 sensor is crucial for accurate readings and reliable wireless transmission. Consider the following recommendations:

- **Place the remote sensor upright.** Avoid laying it down.
- **Place it outdoors with a shelter.** This protects it from direct sunlight and heavy rainfall, which can affect temperature and humidity accuracy.
- **Make it far from interfering sources.** Avoid placing it near large metal objects, electrical appliances, or

other sources of electromagnetic interference that could disrupt the wireless signal.

- **Put it at least 47 inches (1.2m) from the ground.** This helps ensure consistent readings by avoiding ground-level temperature fluctuations.

CORRECT USAGE OF REMOTE SENSOR



Figure 3: Visual guide for correct placement and usage of the Raddy R5 Remote Sensor, illustrating optimal conditions for accuracy and signal integrity.



Figure 4: The Raddy R5 sensor mounted on an indoor wall, demonstrating its compact design and wireless capability.

4. OPERATION

4.1 LCD Digital Display

The Raddy R5 sensor features an advanced LCD digital display that provides real-time information:

- **Current Channel Number:** Indicates the communication channel with the VP7 weather station.
- **Temperature:** Displays the current temperature reading.
- **Humidity:** Shows the current humidity level.

You can switch between Celsius (°C) and Fahrenheit (°F) units with a single click on the sensor's unit button to suit your preference.

4.2 Wireless Transmission

The R5 sensor offers convenient wireless data transmission with a range of up to **330 feet (100 meters)** in open areas. Ensure there are minimal obstructions between the sensor and the VP7 console for optimal signal strength.

4.3 Temperature and Humidity Range

The Raddy R5 sensor is designed to operate within a comprehensive range:

- **Temperature Range:** -40°F to 140°F (-40°C to 60°C)
- **Humidity Range:** 20% to 95%

Note: In winter conditions, especially when temperatures drop below 14°F (-10°C), it is recommended to use low-temperature resistant batteries. Normal batteries may experience weakened performance and affect the sensor's signal strength in extreme cold.

5. MAINTENANCE

5.1 Battery Replacement

When the battery indicator on the R5 sensor or VP7 console shows low power, replace the two AA batteries following the steps in Section 3.1. Always use fresh, high-quality batteries for best performance.

5.2 Cleaning

To maintain accuracy and longevity, periodically clean the exterior of the R5 sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure the ventilation slots are free from dust and debris.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
No readings on VP7 console from R5 sensor.	Batteries are low or incorrectly installed. Sensor is out of range or obstructed. Synchronization issue.	Replace batteries and ensure correct polarity. Move sensor closer to the VP7 console or remove obstructions. Re-synchronize by removing batteries from both console and sensor, then re-inserting into console first, then sensor.
Inaccurate temperature/humidity readings.	Sensor exposed to direct sunlight or rain. Sensor placed near heat/cold sources.	Relocate sensor to a shaded, sheltered area. Ensure sensor is away from windows, vents, or appliances.
Display on R5 sensor is dim or blank.	Low batteries. Extreme cold affecting battery performance.	Replace batteries. Use low-temperature resistant batteries if operating below 14°F (-10°C).

7. SPECIFICATIONS

Feature	Detail
Model Number	R5

Feature	Detail
Temperature Range	-40°F to 140°F (-40°C to 60°C)
Humidity Range	20% to 95%
Wireless Transmission Range	Up to 330 feet (100 meters)
Power Source	2 x AA batteries (not included)
Display Type	LCD Digital Display
Material	Plastic
Connectivity Technology	Radio Frequency (RF)
Dimensions	6.61 x 2.09 x 1.26 inches (16.8 x 5.3 x 3.2 cm)
Weight	2.82 ounces (80 grams)



Figure 5: Detailed dimensions of the Raddy R5 Wireless Remote Sensor.

8. WARRANTY AND SUPPORT

8.1 Warranty Information

The Raddy R5 Remote Sensor is covered by the manufacturer's standard warranty. Please refer to the warranty card included with your product or visit the official Raddy website for detailed warranty terms and conditions.




8.2 Customer Support

For any questions, technical assistance, or support inquiries regarding your Raddy R5 Remote Sensor, please contact Raddy customer service. You can find contact information on the official Raddy website or through your purchase platform.

Official Raddy Website: www.iraddy.com

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Related Documents - R5

	<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 VP7 WiFi Professional Weather Station Manual</p> <p>A comprehensive user manual for the Raddy VP7 WiFi Professional Weather Station, detailing its features, setup, operation, and maintenance. Covers weather data display, sensor connectivity, Wi-Fi pairing, and data uploading to services like Wunderground and Weathercloud.</p>
	<p>Raddy VP7 Professional Weather Station User Manual</p> <p>Comprehensive user manual for the Raddy VP7 Professional Weather Station, covering features, setup, operation, readings, alerts, weather forecasting, and technical specifications.</p>



RADDY VP7 Professional Weather Station User Manual

Comprehensive user manual for the RADDY VP7 Professional Weather Station, detailing features, setup, operation, and specifications for monitoring temperature, humidity, wind, and rainfall.

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[WF-100SE Professional WiFi Weather Station User Manual - Raddy](#)

Comprehensive user manual for the Raddy WF-100SE Professional WiFi Weather Station. Learn how to install, operate, calibrate, and troubleshoot your weather station for accurate home weather monitoring.



WF-120C Professional Weather Station Manual

This manual provides comprehensive instructions for setting up, operating, and maintaining the WF-120C Professional Weather Station. Learn about its features, sensor connections, weather forecasting capabilities, and more.