

## Raddy UV6

# Raddy UV-6 Professional Weather Station User Manual

Model: UV6

## 1. INTRODUCTION

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The Raddy UV-6 Professional Weather Station is designed to provide comprehensive environmental data for your home and surroundings. It features a 6-inch VA display console and a multi-sensor outdoor unit, offering precise measurements of indoor and outdoor temperature, humidity, barometric pressure, wind speed and direction, rainfall, UV index, and light intensity. The system also includes an atomic clock for accurate timekeeping and supports monitoring of up to five areas with optional additional sensors.



Figure 1.1: Raddy UV-6 Professional Weather Station components.

## 2. PACKAGE CONTENTS

Verify that all items are present in the package:

- Raddy UV-6 Display Console
- Outdoor Sensor Suite (integrated rain funnel, wind vane, anemometer, temperature & humidity sensor, UV/light sensors, solar panel)
- Mounting Pole and Hardware (U-bolts, nuts, washers, mounting brackets)
- Power Adapter for Display Console
- User Manual (this document)



Figure 2.1: Contents of the Raddy UV-6 package.

### 3. PRODUCT FEATURES

- **Clear 6" VA Display:** High-contrast screen with wide viewing angles, displaying various weather parameters.
- **Precision Outdoor Sensor Suite:** Integrated sensor for accurate measurement of wind speed/direction, rainfall, temperature, humidity, UV, and light.
- **Wireless Data Transmission:** Outdoor sensor wirelessly transmits data up to 300 feet (91 meters) to the display console.
- **Atomic Clock with Dual Alarms:** Automatically syncs time via RCC signal and includes dual alarms with snooze function.
- **Multi-Area Monitoring:** Supports monitoring of up to 5 areas (indoor console, outdoor sensor, and three optional R5 sensors sold separately).
- **Adjustable Brightness & Auto Night Mode:** 5 brightness levels and a programmable night mode for display dimming.
- **Weather Forecast & Moon Phases:** Provides a weather forecast based on barometric pressure changes and displays 12 types of moon phases.
- **UV & Light Index Monitoring:** Displays current UV index and light intensity.

# MULTI-FUNCTIONAL DISPLAY



6.2"

4.5"

- ① Weather Forecast & Moon Phase & Air Pressure
- ② Wind Direction & Speed
- ③ Today's Max/ Min Temp & Feels Like Temp
- ④ Rainfall
- ⑤ Light & UV Index
- ⑥ Time & Date
- ⑦ Indoor Temp & Humidity
- ⑧ Outdoor Temp & Humidity

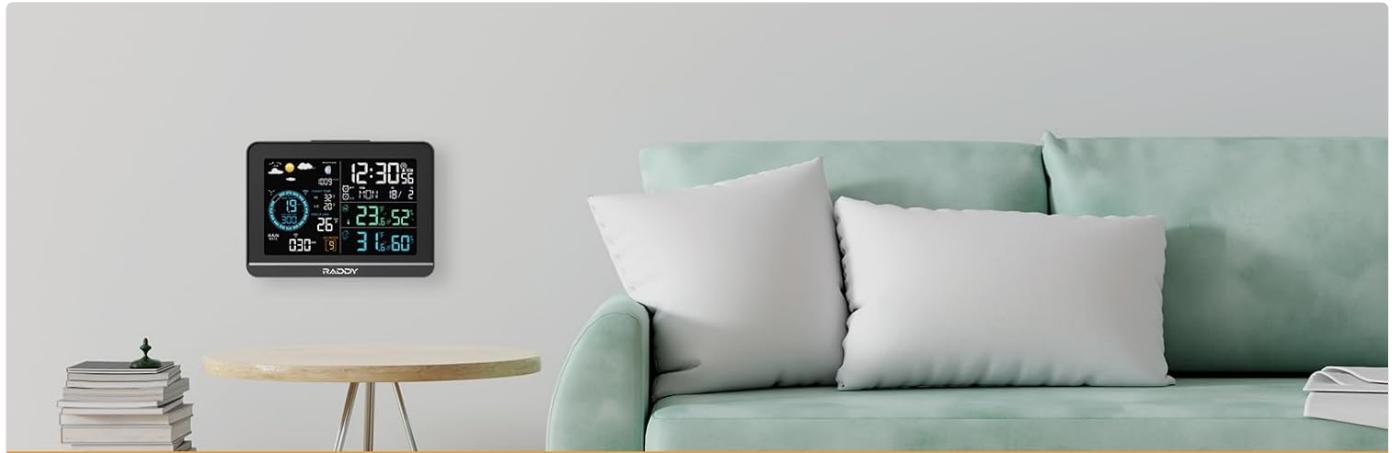
Figure 3.1: Multi-functional display overview.

# UV INDEX MONITORING

Stay Safe Under the Sun



Figure 3.2: UV Index monitoring.



## MONITOR UP TO 5 AREAS

Indoor, Outdoor, and 3 Optional Remote Sensors

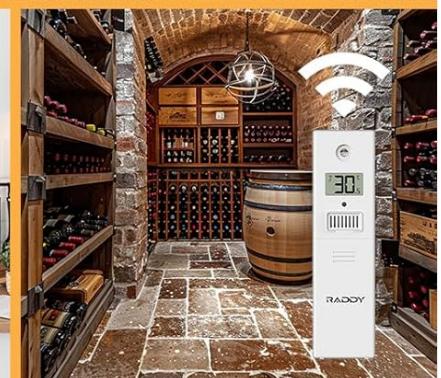
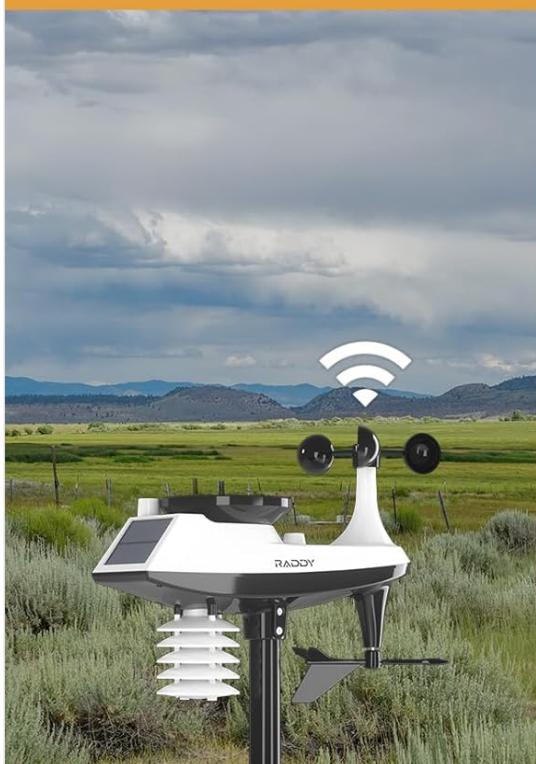


Figure 3.3: Multi-area monitoring capability.

# 6 Modes of Weather Forecast



# 12 Types of Moon Phase



Figure 3.4: Weather forecast modes and moon phases.



# DUAL ALARM CLOCKS

Figure 3.5: Dual alarm clocks.

## 4. SETUP

### 4.1. Display Console Setup

1. Connect the power adapter to the display console and plug it into a power outlet.
2. Insert 3 x AAA batteries (not included) into the battery compartment for backup power.
3. The console will power on and begin searching for the outdoor sensor and atomic clock signal.

### 4.2. Outdoor Sensor Suite Installation

Choose a location for the outdoor sensor that is open and unobstructed to ensure accurate readings for wind, rain, and sunlight. The sensor should be mounted securely.

1. Assemble the wind cups and wind vane onto the sensor unit according to the instructions in the quick start guide.
2. Insert 3 x AA batteries (not included) into the battery compartment of the outdoor sensor. Ensure the battery compartment is sealed tightly to prevent water ingress.

3. Mount the outdoor sensor using the provided pole and hardware. Common mounting options include:

- On top of a pole (minimum diameter 2.4 cm)
- On the side of a pole
- On a flat surface (e.g., wooden post)

4. Ensure the sensor is level for accurate rain gauge readings.

5. Once powered, the outdoor sensor will automatically attempt to pair with the display console. Allow a few minutes for the connection to establish.



Figure 4.1: Outdoor sensor mounting options and details.

## 5. OPERATING INSTRUCTIONS

### 5.1. Display Console Overview

The 6-inch VA display provides a clear overview of all measured data. Key areas on the display include:

- Weather Forecast & Moon Phase
- Wind Direction & Speed
- Today's Max/Min Temperature & Feels Like Temperature
- Rainfall Data
- Light & UV Index
- Time & Date (Atomic Clock)
- Indoor Temperature & Humidity
- Outdoor Temperature & Humidity

### 5.2. Adjusting Display Brightness

The display offers 5 levels of brightness. Use the dedicated button on the console to cycle through the brightness levels. An auto night mode can be activated to automatically dim the display during specified hours (e.g., LV4 from 08:00-20:00, LV1 from 20:00-08:00).

# 5-LEVEL BACKLIGHT & NIGHT MODE



LV4 08:00-20:00  
LV1 20:00-08:00



Figure 5.1: Backlight and night mode settings.

## 5.3. Setting Alarms

The weather station features dual alarms. Refer to the detailed instructions in the full user manual for setting specific alarm times and functions.

## 5.4. Monitoring Multiple Areas

If you have purchased additional R5 sensors, you can monitor up to three extra locations. The display console allows you to manually switch between zones or activate an auto-cycle mode to view data from all connected sensors sequentially.

## 6. MAINTENANCE

- Cleaning:** Periodically clean the display console with a soft, dry cloth. For the outdoor sensor, gently clean the rain funnel, wind cups, and solar panel to ensure optimal performance. Avoid abrasive cleaners.
- Battery Replacement:** Replace batteries in both the display console (AAA) and outdoor sensor (AA) when the low battery indicator appears on the display. For cold climates, consider using lithium batteries in the outdoor sensor for better

performance.

- **Sensor Placement:** Regularly check the outdoor sensor's mounting to ensure it remains secure and unobstructed.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No outdoor data displayed	Outdoor sensor not paired or out of range; low batteries.	Ensure sensor batteries are fresh. Move sensor closer to console. Press the reset button on the outdoor sensor and repair.
Inaccurate temperature/humidity	Sensor exposed to direct sunlight/heat source; blocked ventilation.	Relocate sensor to a shaded, well-ventilated area. Ensure radiation shield is clear.
Wind speed/direction incorrect	Anemometer/wind vane obstructed or not spinning freely.	Check for debris (leaves, spiderwebs) on the wind cups and vane. Ensure they rotate freely.
Rainfall data inaccurate	Rain funnel blocked; sensor not level.	Clear any debris from the rain funnel. Ensure the outdoor sensor is mounted perfectly level.
Atomic clock not syncing	Interference; console too far from signal source.	Place console near a window, away from electronic devices that may cause interference. Allow up to 24 hours for initial sync.

## 8. SPECIFICATIONS

Feature	Detail
Model Number	UV6
Display Type	6-inch VA Display
Power Source (Console)	AC Adapter (included), 3 x AAA Batteries (backup, not included)
Power Source (Outdoor Sensor)	3 x AA Batteries (not included), Solar Panel for long-term use
Wireless Transmission Range	Up to 300 feet (91 meters) in open air
Special Features	Adjustable Brightness, Dual Alarms, Large Display, Wireless Connectivity, Atomic Clock, UV Index, Light Index
Dimensions (Console)	Approx. 6.2" (W) x 4.5" (H)
Date First Available	April 28, 2025

## 9. WARRANTY AND SUPPORT

Specific warranty details for the Raddy UV-6 Professional Weather Station are not provided in this manual. For warranty information, technical support, or service inquiries, please refer to the product packaging or contact Raddy customer service directly through their official website or the retailer where the product was purchased.

## Related Documents

 <p>RADDY VP7 PROFESSIONAL WEATHER STATION User Manual</p>	<p><a href="#">Raddy VP7 Professional Weather Station User Manual: Setup, Features, and Operation</a></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>UV6 Manual PROFESSIONAL WEATHER STATION</p>	<p><a href="#">UV6 Professional Weather Station User Manual</a></p> <p>Comprehensive user manual for the UV6 Professional Weather Station, detailing features, setup, operation, and maintenance. Learn about temperature, humidity, wind speed, rainfall, UV index, and weather forecasting.</p>
 <p>WF-120C Manual PROFESSIONAL WEATHER STATION</p>	<p><a href="#">WF-120C Professional Weather Station Manual</a></p> <p>Comprehensive user manual for the WF-120C Professional Weather Station, detailing features, setup, and connection to online weather services like Wunderground and Weathercloud.</p>
 <p>VP7 WiFi Manual PROFESSIONAL WEATHER STATION</p>	<p><a href="#">Raddy VP7 WiFi Professional Weather Station Manual</a></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, WiFi pairing, and data uploading to services like Wunderground and Weathercloud.</p>

Documents - Raddy – UV6



[UV6 Professional Weather Station User Manual](#)

Comprehensive user manual for the UV6 Professional Weather Station, detailing features, setup, operation, and maintenance. Learn about temperature, humidity, wind speed, rainfall, UV index, and weather forecasting.

lang:en score:39 filesize: 1.72 M page\_count: 17 document date: 2025-07-03