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Raddy N90

Raddy N90 Wi-Fi Weather Station User Manual

Model: N90

INTRODUCTION

Thank you for choosing the Raddy N90 Wi-Fi Weather Station. This manual provides detailed instructions for setting up, operating, and maintaining your device. The Raddy N90 offers comprehensive weather monitoring, including indoor/outdoor temperature and humidity, barometric pressure, wind speed and direction, light intensity, UV index, PM2.5, and AQI. With smart app connectivity, you can access real-time data and 5-day forecasts from anywhere.

PACKAGE CONTENTS

Please check the package for the following items:

- Raddy N90 Main Display Unit
- Wireless Outdoor Sensor (1 included, supports up to 3)
- Power Adapter
- User Manual

PRODUCT OVERVIEW

The Raddy N90 Weather Station consists of a main display unit and a wireless outdoor sensor. The main unit features an 8.8-inch HTN color display for clear visibility of all weather data.



Figure 1: Raddy N90 Main Display Unit and Wireless Outdoor Sensor. The image shows the main display unit on a surface, displaying various weather parameters. To its right is the compact wireless outdoor sensor. A smartphone screen in the upper right corner shows the accompanying app interface with real-time data.

Main Display Unit

The main unit displays all collected weather data, including:

- Indoor/Outdoor Temperature and Humidity
- Barometric Pressure
- Wind Speed and Direction
- Light Intensity and UV Index (UVI)
- PM2.5 and Air Quality Index (AQI)
- Moon Phases
- Local Sunrise and Sunset Times
- 5-Day Weather Forecast
- Time and Date



Figure 2: Key features of the Raddy N90 display. This image highlights icons for Internet Time, Celsius/Fahrenheit Switch, 12/24-Hour Format, Alarm Clock, and Adjustable Backlight, indicating the customizable options available on the weather station.

Wireless Outdoor Sensor

The wireless sensor collects outdoor temperature, humidity, wind data, and other environmental parameters, transmitting them to the main unit. It has a stable transmission range of up to 100 meters. The system supports connection with up to 3 outdoor sensors (additional sensors sold separately, ASIN B0DZTBWSZB).

SETUP GUIDE

1. Powering On

1. Connect the provided power adapter to the main display unit and plug it into a power outlet. The display will light up.
2. Insert 2 x AA batteries (not included) into the wireless outdoor sensor, observing polarity.

2. Sensor Pairing

The main unit and outdoor sensor should pair automatically upon power-up. If pairing fails:

- Ensure both devices are within range and free from interference.
- Press the "Sensor" button on the main unit to initiate a manual search for the sensor.

3. Wi-Fi Connection and App Setup

To access smart features and 5-day forecasts, connect the station to your Wi-Fi network (2.4 GHz only) via the Tuya Smart app.

1. Download the "Tuya Smart" app from your smartphone's app store (iOS or Android).
2. Register or log in to your Tuya Smart account.
3. On the Raddy N90 main unit, press and hold the Wi-Fi button until the Wi-Fi icon flashes, indicating pairing mode.
4. In the Tuya Smart app, tap "+" to add a device. Select "Weather Station" or search for "Raddy N90".
5. Follow the on-screen instructions in the app to connect the device to your 2.4 GHz Wi-Fi network.
6. Once connected, the Wi-Fi icon on the display will become solid, and the station will automatically update time and weather forecasts.

REAL-TIME WEATHER UPDATES

5-Day Forecast via Wi-Fi



Sunny



Mostly Cloudy



Cloudy



Rainy



Thunder Rainy



Snowy

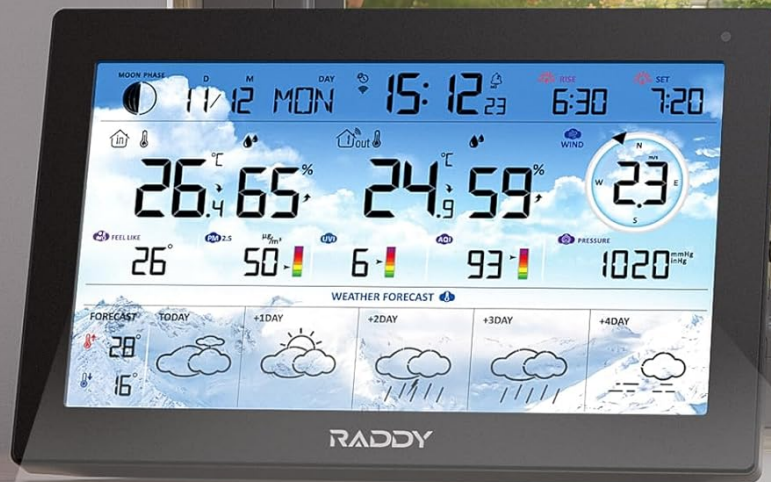


Figure 3: Raddy N90 displaying real-time weather updates and a 5-day forecast. The image shows the main unit with current weather conditions and a section at the bottom illustrating weather icons for the next five days (Today, +1 Day, +2 Day, +3 Day, +4 Day), indicating sunny, cloudy, rainy, thunder rainy, and snowy conditions.

OPERATING INSTRUCTIONS

Display Information

The 8.8-inch HTN screen provides a clear and comprehensive overview of all weather data. Key areas include:

- **Top Section:** Time, Date, Moon Phase, Wi-Fi status.
- **Middle Section:** Indoor and Outdoor Temperature/Humidity, Wind Speed/Direction.
- **Bottom Section:** Barometric Pressure, PM2.5, AQI, UVI, and 5-day weather forecast.

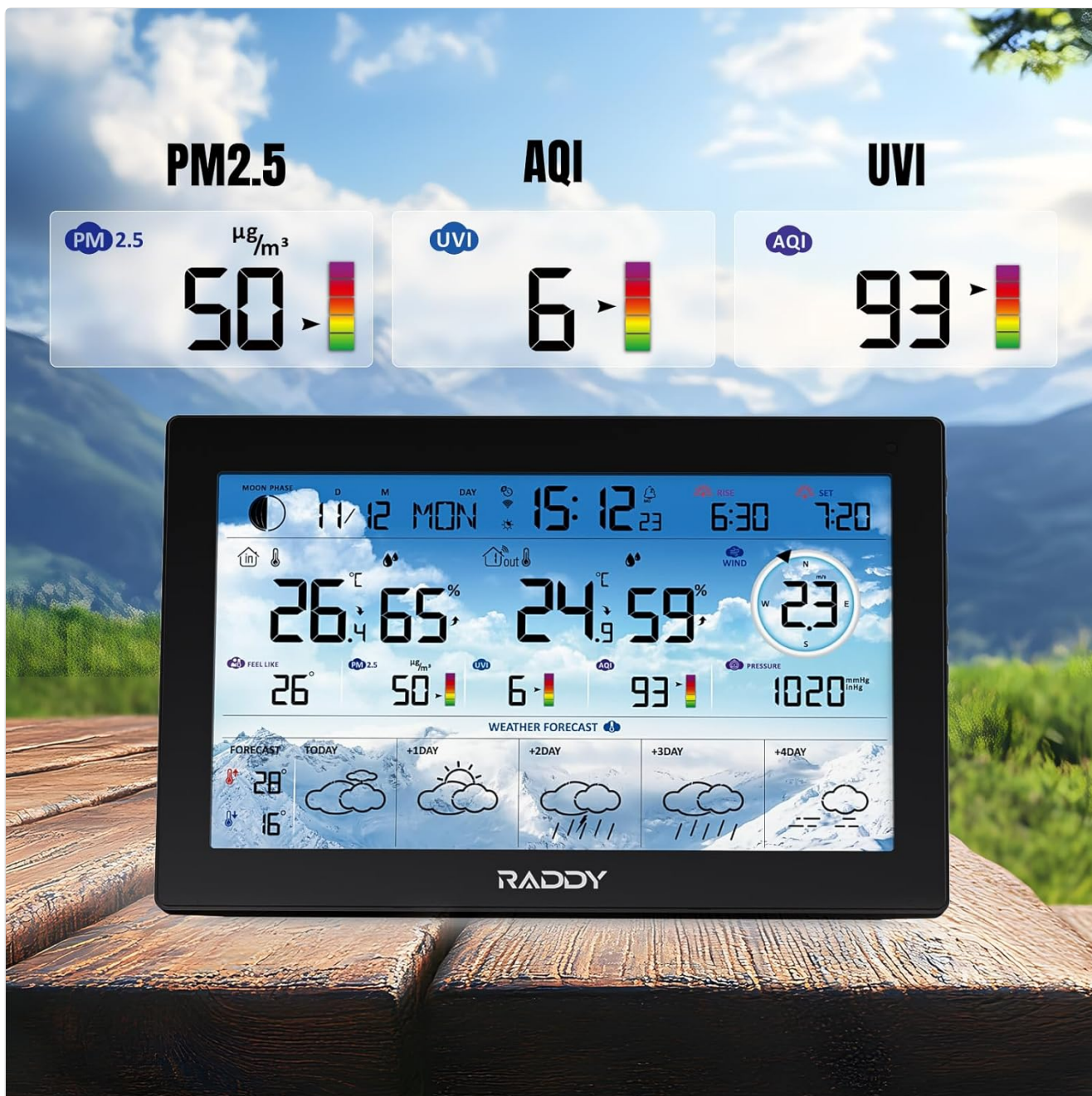


Figure 4: Raddy N90 displaying PM2.5, AQI, and UVI values. The image shows the main unit with prominent displays for PM2.5 (50 $\mu\text{g}/\text{m}^3$), AQI (6), and UVI (93), each with a color-coded bar indicating the level.

NEVER MISS A SUNRISE OR SUNSET



Figure 5: Raddy N90 displaying sunrise and sunset times. The image shows the main unit with "RISE 6:30" and "SET 7:20" prominently displayed, indicating the local sunrise and sunset times.

App Features (Tuya Smart)

The Tuya Smart app provides enhanced control and data analysis:

- **Real-time Data:** View current indoor/outdoor conditions from anywhere.
- **Historical Data:** Access and analyze data trends for up to one year.
- **Alerts:** Set custom alerts for temperature, humidity, or other parameters.
- **Settings:** Adjust units, time format, and other preferences remotely.

Alarm Clocks

The Raddy N90 supports up to 4 customizable alarms with a snooze function. Alarms can be set directly on the unit or through the Tuya Smart app.



Figure 6: Raddy N90 with customizable alarm clocks and snooze function. The image shows the main unit and a smartphone screen displaying the alarm settings within the app, with multiple alarm times listed and toggle switches for activation.

Adjustable Backlight

The display features an automatic backlight adjustment and 5 manual brightness levels for optimal viewing in various lighting conditions.



Figure 7: Raddy N90 demonstrating auto and 5-level brightness settings. The image shows the main unit with an icon indicating automatic brightness adjustment, and a row of smaller images below showing the display at different brightness levels: Closed, Night, Low, Middle, and High.

Built-in USB Charging

The main unit includes a built-in USB charging port (Output Voltage 5V, Output Current 1A) for conveniently charging small electronic devices.

BUILT-IN USB CHARGING



Figure 8: Raddy N90 with built-in USB charging capability. The image shows the main unit plugged into a wall outlet, with a smartphone connected to its side via a USB cable, indicating that the weather station can charge other devices.

MAINTENANCE

- Clean the display and sensor with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- Ensure the outdoor sensor is placed in a location protected from direct heavy rain and sunlight for optimal performance and longevity.
- Replace batteries in the outdoor sensor when the low battery indicator appears on the main unit.

TROUBLESHOOTING

Problem	Possible Cause	Solution
No display on main unit	Power adapter not connected or faulty.	Ensure power adapter is securely connected and plugged into a working outlet.
Outdoor sensor data not displayed	Sensor out of range, low battery, or interference.	Move sensor closer to the main unit. Replace sensor batteries. Press "Sensor" button on main unit to re-pair. Avoid placing near large metal objects or strong electromagnetic sources.
Wi-Fi connection fails	Incorrect Wi-Fi password, 5GHz network, or weak signal.	Ensure correct 2.4 GHz Wi-Fi network is selected and password is correct. Move station closer to router. Restart router and station.
Inaccurate readings	Sensor placement, environmental factors.	Ensure outdoor sensor is in a shaded, well-ventilated area, away from direct heat sources or reflective surfaces.

SPECIFICATIONS

Model: N90

Display Type: 8.8" HTN LCD

Connectivity: Wi-Fi (2.4 GHz only)

Outdoor Sensor Range: Up to 100 meters (open air)

Power Source (Main Unit): AC Adapter (included)

Power Source (Outdoor Sensor): 2 x AA Batteries (not included)

Special Features: Adjustable Backlight, USB Charging (5V/1A), Multi-sensor Support (up to 3), 5-Day Forecast, App Control

Dimensions (Package): 23.6 x 15.8 x 9.1 cm







Weight (Package): 670 grams

WARRANTY AND SUPPORT

Raddy products come with a standard manufacturer's warranty. For specific warranty details, technical support, or assistance with your Raddy N90 Weather Station, please contact Raddy customer service through their official website or the retailer where you purchased the product.

You can visit the official Raddy store on Amazon for more information:[Raddy Amazon Store](#)

Related Documents - N90

	<p>WF-N90 Manual: Technical Data and Features</p> <p>This manual provides comprehensive technical data and features for the WF-N90 weather station, including its main functions, wireless outdoor sensor capabilities, setup instructions, and app integration for monitoring temperature, humidity, air pressure, wind speed, air quality, and UV index.</p>
	<p>WF-N90 Weather Station Manual: Features, Setup, and Operation</p> <p>Comprehensive user manual for the WF-N90 Weather Station, detailing its technical specifications, setup procedures, button operations, alarm settings, and network weather forecast features. Includes information on indoor/outdoor temperature, humidity, barometric pressure, wind speed, air quality, and more.</p>
	<p>Raddy N80 Wireless Weather Station: User Manual and Features</p> <p>Explore the Raddy N80, a smart wireless weather station. This manual details its features like indoor/outdoor monitoring, Wi-Fi connectivity via Tuya Smart App, weather forecasting, and multi-language support.</p>
	<p>RADDY WiFi Simple Setup Guide - Quick Start and Installation</p> <p>Step-by-step guide to setting up your RADDY WiFi weather station, including registration on Weathercloud and Wunderground, WiFi configuration, and sensor verification.</p>
	<p>Raddy N80 Wireless Weather Station User Manual</p> <p>Comprehensive guide to the Raddy N80 Wireless Weather Station, covering setup, features like temperature, humidity, pressure, wind, air quality, weather forecasts, and Tuya app integration.</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>