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Raddy AG7

Raddy AG7 Weather Station User Manual

MODEL: AG7

Introduction

A comprehensive guide to setting up, operating, and maintaining your Raddy AG7 Wireless Indoor Outdoor Thermometer. This weather station provides detailed information on various environmental parameters, helping you stay informed about your local weather conditions.

Setup Guide

1. Unboxing and Initial Power-Up

Upon unboxing, ensure all components are present. The package typically includes the main display console, the multi-sensor outdoor unit, mounting hardware, and a power adapter.



This image displays all the components included in the Raddy AG7 Weather Station package, ready for assembly and setup.

Insert 1.5V AA batteries into both the main display console and the outdoor sensor unit. Connect the power adapter to the display console and plug it into a power outlet. The display should illuminate.

2. Outdoor Sensor Installation

The outdoor multi-sensor unit is designed for accurate data collection and can be mounted in various ways to suit your location. Ensure the sensor is placed in an open area, away from obstructions, to allow for accurate wind, rain, and temperature readings. The communication range is up to 330 feet.



- 1 Wind Cups
- 2 Rain Funnel
- 3 Thermo-Hygrometer Radiation Shield
- 4 Solar Panel
- 5 Wind Vane

This image highlights the key components of the outdoor sensor: (1) Wind Cups, (2) Rain Funnel, (3) Thermo-Hygrometer Radiation Shield, (4) Solar Panel, and (5) Wind Vane. Proper assembly of these parts is crucial for accurate readings.



The outdoor sensor can be mounted on top of a pole, on the side of a structure, or directly on a pole. The image also shows the sensor's internal details: (1) Reset button, (2) LED indicator, (3) Manual transmit signal button, and (4) Battery compartment.

3. Display Console Placement

The display console can be placed on a table using its integrated stand or mounted on a wall for convenient

viewing.



The display console offers flexible placement options, functioning both as a tabletop unit with its built-in stand and as a wall-mounted display.

4. Network Connection and Weather Service Integration

To access advanced features and share data with online weather services, connect your weather station to your home Wi-Fi network. First, connect your smartphone or computer to the weather station's temporary Wi-Fi network. Then, access the station's configuration page (usually via a web browser) to enter your home Wi-Fi credentials. You can also input your Weather Underground or Weathercloud station ID and key to register your personal weather station and upload data.

UP TO 330FT(100M) WIRELESS DATA TRANSMISSION



Indoor Display Console



Outdoor Sensor

The Raddy AG7 Weather Station features wireless data transmission, allowing the indoor display console to receive data from the outdoor sensor up to 330 feet away. The display also shows high/low temperature alerts.

Operating Your Weather Station

1. Multi-Functional Display Overview

The 7.4-inch color display provides a wealth of weather information at a glance.

MULTI-FUNCTIONAL DISPLAY

 Indoor & Outdoor Temp	 Wind Direction
 Indoor & Outdoor Humidity	 Wind Speed
 Rainfall	 Dew Point
 Weather Forecast	 Feels Like Index
 Time	 Air Pressure
 Calendar	 Today's Max/Min Temp



The display shows Indoor & Outdoor Temperature, Indoor & Outdoor Humidity, Rainfall, Weather Forecast, Time, Calendar, Wind Direction, Wind Speed, Dew Point, Feels Like Index, Air Pressure, and Today's Max/Min Temperature.

2. Display Backlight Adjustment

The display features 4 adjustable backlight levels (LV 0, LV 1, LV 2, LV 3) to suit different lighting conditions and preferences.

4 ADJUSTABLE BACKLIGHT



The display offers four levels of adjustable backlight, from off (LV 0) to brightest (LV 3), ensuring readability in various environments.

3. Data Interpretation and Navigation

The display shows current outdoor and indoor temperature and humidity, wind speed and direction, rainfall data, and a 12-hour weather forecast. You can cycle through various settings and historical data using the buttons located on the back of the display unit. These buttons allow you to adjust units (e.g., Celsius/Fahrenheit), set barometric pressure readings, and verify time and date settings.

4. Alerts and Alarms

The AG7 allows for the setup of high/low alerts for temperature and humidity, as well as wind speed and rainfall warnings. It also provides dual alarms for weekday and weekend settings.

5. Expandable Monitoring

The system supports connection with up to three additional remote sensors (model R5), enabling you to monitor up to five different areas, such as a baby's room, garden, living room, or kitchen.

MONITOR UP TO 5 AREAS



The Raddy AG7 system can monitor up to five distinct areas, including outdoor conditions, the main indoor console location, and up to three additional remote sensor channels (R5 model).

Maintenance

1. Cleaning

Regularly clean the outdoor sensor unit to ensure accurate readings. Gently wipe the solar panel, rain funnel, and wind sensors with a soft, damp cloth. Avoid using abrasive cleaners.

2. Battery Replacement

Replace batteries in both the outdoor sensor and display console as needed. Ensure to use 1.5V AA batteries for optimal performance, as 1.2V rechargeable batteries may not provide sufficient power for all functions.

3. Sensor Calibration

If you suspect inaccurate readings, refer to the detailed instructions in the user manual for specific sensor calibration procedures. This may involve resetting the sensor or adjusting settings via the display console.

Troubleshooting

Common Issues and Solutions

- No Outdoor Sensor Data:** Ensure batteries are correctly installed in the outdoor sensor. Verify the sensor is within the 330ft transmission range and free from obstructions. Try resetting both the outdoor sensor and the display console.
- Incorrect Time/Date:** Ensure the weather station is properly connected to your Wi-Fi and has successfully synchronized with the atomic clock feature. Manually adjust settings if necessary via the display console's rear buttons.
- Inaccurate Readings:** Check the outdoor sensor's placement for any obstructions. Ensure the rain funnel is clear of debris. For temperature and humidity, allow time for the sensors to acclimate to new environments.
- Display Not Responding:** Check the power adapter connection and ensure batteries are not depleted. If the issue persists, try a hard reset by unplugging and removing batteries for a few minutes before re-powering.

Specifications

Feature	Detail
Product Dimensions	7 x 5 x 4 inches; 3.64 Pounds
Item Model Number	AG7
Date First Available	April 19, 2024
Manufacturer	Raddy
Recommended Uses	Garden, Home
Specific Uses	Humidity, Pressure, Temperature, Wind Direction, Wind Speed
Power Source	Corded Electric
Special Features	Adjustable Brightness, Clock, Customizable Alert, Large Display, Wireless
Material	Plastic
Connectivity Technology	Radio
Color	Very Peri
Included Components	Instruction Manual

Warranty & Support

Raddy provides lifetime technical support for the AG7 Weather Station. Should you encounter any issues or require assistance, please do not hesitate to contact Raddy customer service.

Related Documents - AG7



[\[pdf\]](#)

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