

## Raddy AG7

# Raddy AG7 Wireless Weather Station User Manual

Model: AG7

## 1. PRODUCT OVERVIEW

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The Raddy AG7 is a comprehensive wireless weather station designed to provide accurate monitoring of various environmental conditions. It features a 7.4-inch digital display for clear readability and includes an atomic clock for precise timekeeping. The system monitors indoor and outdoor temperature, humidity, wind speed and direction, and precipitation. It also offers 12-hour weather forecasts and displays barometric pressure.

- **Professional Monitoring:** Tracks temperature, humidity, wind, and precipitation.
- **Expandable System:** Supports up to three additional R5 sensors for monitoring up to five zones.
- **Precise Outdoor Sensor:** Equipped with a rain funnel, wind vane, anemometer, thermo-hygrometer with anti-radiation shield, and a solar panel. Offers a range of up to 100 meters.
- **Large Display:** 7.4-inch screen shows indoor/outdoor temperature/humidity, precipitation, atmospheric pressure, wind speed/direction, dew point, felt temperature, 12-hour forecast, and daily max/min values.
- **Easy Installation:** Clear instructions and diagrams facilitate quick setup.

## 2. COMPONENTS

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The Raddy AG7 weather station includes the main display console and a multi-sensor outdoor unit. The outdoor unit integrates several instruments for comprehensive weather data collection.



**Image:** Detailed view of the Raddy AG7 outdoor sensor unit, highlighting its key components.

1. **Anemometer Cups:** Measure wind speed.
2. **Rain Gauge Funnel:** Collects precipitation for measurement.
3. **Thermo-Hygrometer Shield:** Protects temperature and humidity sensors from direct sunlight and radiation.
4. **Solar Panel:** Powers the outdoor sensor and charges its internal battery.
5. **Wind Vane:** Determines wind direction.

### 3. SETUP AND INSTALLATION

#### 3.1. Outdoor Sensor Installation

Proper placement of the outdoor sensor is crucial for accurate readings. Choose an open location away from obstructions like buildings or trees that could interfere with wind or rain measurements. Ensure the solar panel receives adequate sunlight.



**Image:** Diagram illustrating various mounting options for the outdoor sensor, including top and side pole mounting. This image also shows the battery compartment and reset button for the sensor.

- **Mounting Options:** The sensor can be mounted on top of a pole or to the side of a pole using the provided hardware.
- **Pole Diameter:** For pole installation, it is recommended that the pole has a minimum diameter of 2.4 cm (0.9 inches).
- **Orientation:** Ensure the wind vane is oriented correctly (usually pointing North) for accurate wind direction readings.

### 3.2. Display Console Setup

The display console can be placed on a table or mounted on a wall.

# UN CADEAU PRATIQUE ET ÉLÉGANT



**Image:** The display console shown on a table stand and mounted on a wall, demonstrating flexible placement.

- **Power Source:** The console can be powered by AAA batteries for economy mode or an adapter for continuous display.
- **Initial Power-up:** Insert batteries or connect the power adapter. The console will automatically search for the outdoor sensor.
- **Atomic Clock Synchronization:** The atomic clock feature (DCF) will attempt to synchronize automatically. Ensure the console is placed in a location where it can receive the signal.

## 4. OPERATING INSTRUCTIONS

### 4.1. Display Information

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

# AFFICHAGE MULTIFONCTION

- |   |   |
|---|---|
|  Température Intérieure / Extérieure |  Direction Du Vent             |
|  Humidité Intérieure / Extérieure    |  Vitesse Du Vent               |
|  Précipitations                      |  Point De Rosée                |
|  Prévisions Météo                    |  Température Ressentie         |
|  Heure                               |  Pression Atmosphérique        |
|  Calendrier                          |  Température Max./Min. Du Jour |



**Image:** The Raddy AG7 display showing various weather parameters and time, illustrating its multifunctionality.

- **Indoor/Outdoor Temperature & Humidity:** Current readings for both environments.
- **Precipitation:** Displays rainfall data.
- **Weather Forecast:** 12-hour forecast icons.
- **Time & Calendar:** Atomic clock synchronized time and date.
- **Wind Direction & Speed:** Current wind conditions.
- **Dew Point & Felt Temperature:** Additional comfort indicators.
- **Atmospheric Pressure:** Current barometric pressure.
- **Max/Min Temperature:** Daily maximum and minimum temperature records.

## 4.2. Backlight Adjustment

The display features 4 adjustable backlight levels for optimal viewing in different lighting conditions.

# 4 NIVEAUX DE RÉTROÉCLAIRAGE RÉGLABLES



**Image:** Four examples of the display with different backlight levels (LV0 to LV3), demonstrating the adjustability. Refer to the specific buttons on your console (usually labeled "LIGHT" or similar) to cycle through the backlight levels.

## 4.3. Alarm Settings

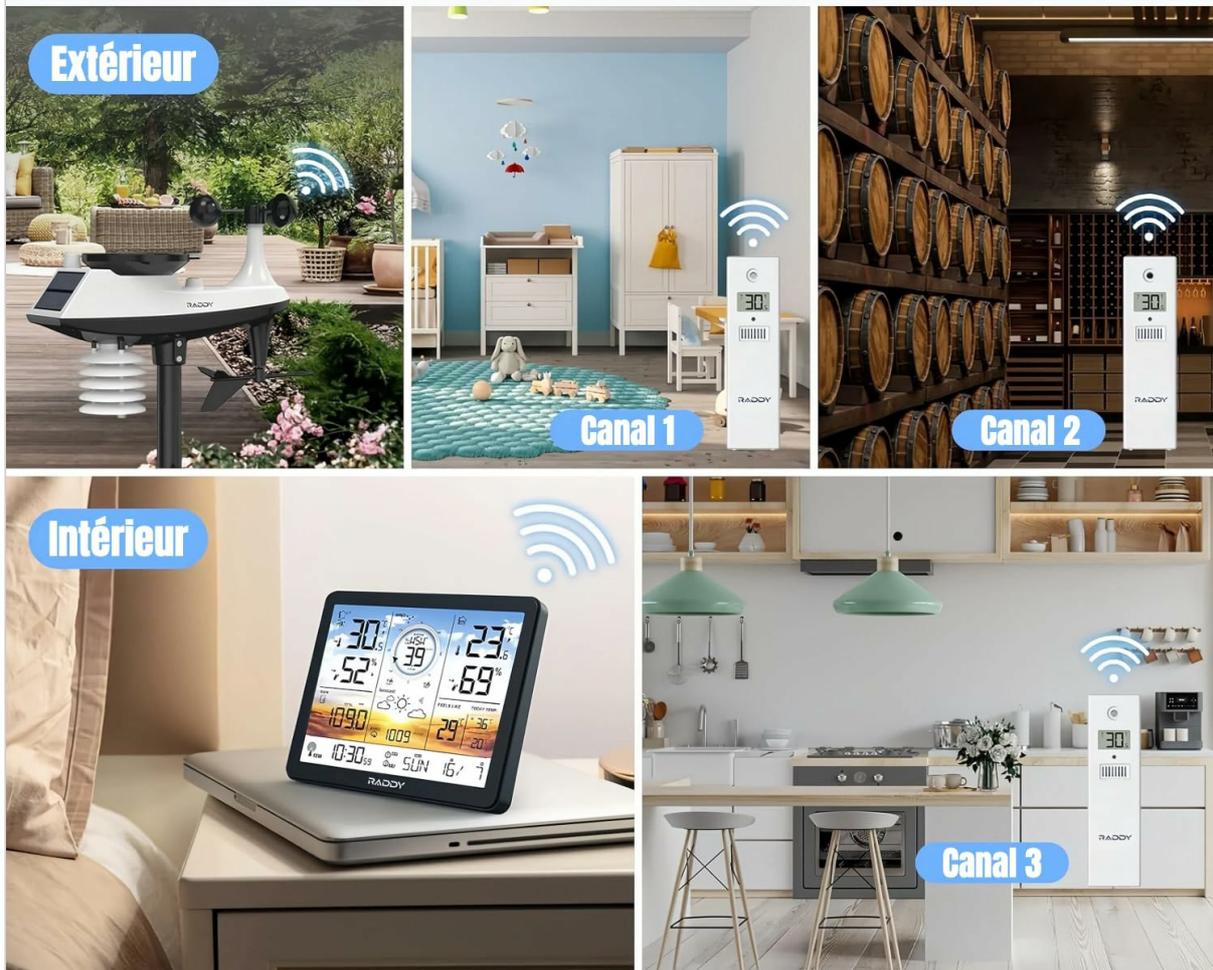
The AG7 allows setting high/low alerts for various parameters and dual alarms for weekdays and weekends. Consult the detailed instructions in the included manual for specific button functions and navigation to set these alarms.

## 4.4. Multi-Zone Monitoring

The system can connect with up to three additional R5 sensors (sold separately) to monitor up to five distinct zones (one outdoor, one indoor from main console, and three additional indoor/outdoor zones).

# SURVEILLANCE JUSQU'À 5 ZONES

Intérieur, Extérieur Et 3 Capteurs Distants Optionnels



**Image:** Visual representation of the weather station monitoring multiple zones, including outdoor, indoor, and three additional channels with R5 sensors.

To add R5 sensors, follow the pairing instructions provided with the R5 sensors and the main AG7 manual. Each R5 sensor will transmit data to a specific channel on your main display.

## 5. MAINTENANCE

### 5.1. Battery Replacement

The display console uses AAA batteries (not included). The outdoor sensor is solar-powered with a backup battery. Replace batteries when the low battery indicator appears on the display.



**Image:** A detailed view of the outdoor sensor's underside, showing the battery compartment (labeled 4) and reset button (labeled 1).

- **Outdoor Sensor:** Access the battery compartment on the underside of the sensor. Ensure proper polarity when inserting new batteries.
- **Display Console:** The battery compartment is typically on the back of the unit.

## 5.2. Cleaning

- **Outdoor Sensor:** Periodically clean the rain gauge funnel and anemometer cups to ensure accurate readings. Remove any debris or insects.
- **Display Console:** Wipe the screen and casing with a soft, dry cloth. Avoid abrasive cleaners.

## 6. TROUBLESHOOTING

- **No Outdoor Sensor Data / Loss of Radio Contact:**
  - Ensure the outdoor sensor is within the 100-meter transmission range of the display console.
  - Check for obstructions (thick walls, metal structures, large appliances) between the sensor and console.
  - Replace batteries in both the outdoor sensor and display console with fresh ones.
  - Perform a reset: Press the reset button on the outdoor sensor (often a small pinhole, labeled 1 in the sensor detail image) and then on the display console (refer to your manual for console reset location). Re-pair the units if necessary.
  - Avoid placing the console near electronic devices that may cause interference.
- **Inaccurate Readings (Wind/Rain):**
  - Verify the outdoor sensor is installed in an open area, free from obstructions.
  - Clean the rain gauge funnel and anemometer cups to remove any debris.
  - Ensure the wind vane is correctly oriented.
- **Display Not Visible / Dim:**
  - Check battery levels and replace if necessary.
  - If using an adapter, ensure it is properly connected and functioning.
  - Adjust the backlight level (refer to section 4.2).
- **Atomic Clock Not Synchronizing:**
  - Ensure the console is placed near a window or in an area with good signal reception.

- Avoid placing it near large metal objects or electronic devices that can block the signal.
- Allow sufficient time (up to 24 hours) for initial synchronization.

## 7. SPECIFICATIONS

Feature	Detail
Brand	Raddy
Model	AG7
Connectivity Technology	433 MHz Wireless
Display Type	LCD
Power Source (Console)	Battery (AAA, not included) or Power Adapter
Power Source (Outdoor Sensor)	Solar Powered with Battery Backup
Temperature Accuracy	±0.5 °C
Max Operating Temperature	60 °C
Special Features	Alarm, Atomic Clock (DCF), 4-level Backlight
Outdoor Sensor Range	Up to 100 meters (330 feet)

## 8. WARRANTY AND SUPPORT

Raddy provides lifetime technical support for the AG7 weather station. If you encounter any issues or have questions regarding the product, please contact Raddy customer service for assistance.

For contact information, please refer to the packaging or the official Raddy website.