

La Crosse Technology WSTX9006

La Crosse Technology WSTX9006 Rain Gauge Sensor Instruction Manual

Model: WSTX9006

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your La Crosse Technology WSTX9006 Rain Gauge Sensor. This sensor is designed to accurately measure rainfall and transmit data wirelessly to a compatible La Crosse Technology weather station, specifically the WS9006 model. Please read this manual thoroughly before use to ensure proper installation and functionality.

2. SAFETY INFORMATION

- Do not expose the sensor to extreme temperatures outside its operating range.
- Do not immerse the sensor in water.
- Use only the specified battery type (2 x AA).
- Dispose of old batteries according to local regulations.
- Keep out of reach of children.

3. PACKAGE CONTENTS

Verify that all components are present in your package:

- 1 x La Crosse Technology WSTX9006 Rain Gauge Sensor
- Instruction Manual (this document)

Note: 2 x AA batteries are required but not included.

4. SETUP

4.1 Battery Installation

1. Locate the battery compartment on the sensor.
2. Open the battery compartment cover.
3. Insert 2 new AA batteries, observing the correct polarity (+ and - markings).
4. Close the battery compartment cover securely to ensure water resistance.

4.2 Sensor Placement

For accurate rainfall measurement, proper placement of the WSTX9006 sensor is crucial:

- Choose an open location, away from trees, buildings, or other obstructions that could block rainfall or create splash-back.
- Ensure the sensor is level. Use a spirit level if necessary.
- Mount the sensor on a stable surface or pole at least 1 meter (3 feet) above the ground to prevent ground splash.
- The sensor should be within the effective transmission range (typically up to 100 meters / 330 feet line of sight) of your WS9006 weather station. Walls and other obstacles will reduce this range.

4.3 Pairing with WS9006 Weather Station

The WSTX9006 sensor is designed to automatically pair with the La Crosse Technology WS9006 weather station. Follow these steps:

1. Ensure batteries are installed in both the WSTX9006 sensor and your WS9006 weather station.
2. Place the sensor and the weather station close to each other during the initial setup.
3. The weather station should automatically detect and connect to the rain gauge sensor within a few minutes. Look for a rain icon or reading on your WS9006 display.
4. If pairing does not occur, refer to your WS9006 weather station's manual for specific sensor search or reset procedures.



Image: The La Crosse Technology WSTX9006 rain gauge sensor, a cylindrical device designed to measure rainfall.

5. OPERATING THE SENSOR

Once installed and paired, the WSTX9006 sensor operates automatically. It collects rainfall data using a tipping bucket mechanism and transmits this data wirelessly to your WS9006 weather station at regular intervals (e.g., every 30-60 seconds, depending on rainfall intensity and station settings).

- **Rainfall Measurement:** The sensor measures rainfall in increments. Each tip of the internal bucket corresponds to a specific amount of rain (e.g., 0.25mm or 0.01 inches).
- **Data Transmission:** Data is sent via a 433 MHz wireless signal.
- **Display:** Rainfall data will be displayed on your connected WS9006 weather station. Refer to the WS9006 manual for how to view daily, weekly, or total rainfall accumulation.

6. MAINTENANCE

Regular maintenance ensures the longevity and accuracy of your rain gauge sensor.

- **Cleaning:** Periodically check the rain collector funnel for debris such as leaves, insects, or dirt. Clean with a soft, damp cloth. Do not use abrasive cleaners.
- **Battery Replacement:** Replace batteries annually or when the low battery indicator appears on your WS9006 weather station. Always replace both batteries at the same time with new ones.
- **Level Check:** Occasionally verify that the sensor remains level in its mounted position.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No rainfall data on WS9006.	Batteries are low or incorrectly installed. Sensor is out of range or obstructed. Sensor not paired.	Check and replace batteries. Relocate sensor closer to the weather station. Re-pair the sensor with the WS9006 (refer to WS9006 manual).
Inaccurate rainfall readings.	Sensor is not level. Debris in the funnel.	Ensure the sensor is perfectly level. Clean the rain collector funnel.
Intermittent data transmission.	Interference from other devices. Sensor too far from the weather station.	Move the sensor or weather station away from potential sources of interference (e.g., electronics, metal objects). Shorten the distance between the sensor and the weather station.

8. SPECIFICATIONS

Feature	Detail
Model	WSTX9006
Brand	La Crosse Technology
Product Use	Rainfall measurement for domestic use
Power Source	2 x AA Batteries (not included)
Special Feature	Wireless transmission
Sensor Technology	Wireless
Frequency	433 MHz
Shape	Cylinder
Material Type	Plastic
Included Components	Sensor, logistical material
Manufacturer	La Crosse Technology

9. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the documentation provided with your main La Crosse Technology WS9006 weather station or visit the official La Crosse Technology website. Keep your purchase receipt as proof of purchase.

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ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page’s manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question