

La Crosse Technology WS6825

La Crosse Technology WS6825 Weather Station User Manual

Model: WS6825

1. INTRODUCTION

Thank you for choosing the La Crosse Technology WS6825 Weather Station. This device provides accurate indoor and outdoor temperature and humidity readings, along with a weather forecast, time, and date. This manual will guide you through the setup, operation, and maintenance of your new weather station to ensure optimal performance.

The WS6825 features a clear, colorful display and includes three wireless outdoor sensors for comprehensive environmental monitoring.

2. PACKAGE CONTENTS

Please ensure all components are present before proceeding with the setup:

- 1 x Display Unit (Main Station)
- 3 x Temperature/Humidity Sensors (Wireless Outdoor Sensors)
- 1 x USB Cable (for optional power)
- 1 x Instruction Manual (this document)



Image 1: La Crosse Technology WS6825 Weather Station with main display unit and three wireless outdoor sensors.

3. PRODUCT OVERVIEW

3.1 Main Display Unit

The main display unit shows all collected data, including indoor and outdoor temperatures, humidity, time, date, and weather forecast. It features a color screen for easy readability and several control buttons.



Image 2: Close-up view of the WS6825 main display unit, illustrating various data points.

3.2 Wireless Outdoor Sensors

The three wireless sensors transmit temperature and humidity data to the main unit via 433 MHz radio frequency. Each sensor can be placed in a different location to monitor various outdoor conditions.

3.3 Control Buttons

The main unit features several buttons for configuration and data access:

- **SNOOZE/LIGHT:** Activates snooze for alarms or adjusts backlight.
- **SETTINGS:** Enters setup mode for time, date, and other preferences.
- **MIN/MAX:** Displays minimum and maximum recorded values.
- **+/-:** Adjusts values during setup or navigates channels.
- **CHANNEL:** Switches between data from different outdoor sensors.
- **SENSOR:** Manually searches for outdoor sensors.
- **INFO:** Displays additional information like heat index or dew point.
- **ALERTS:** Sets temperature/humidity alerts.
- **ALARM:** Sets and activates time alarms.

4. SETUP

4.1 Powering the Main Unit

1. Insert 3 AAA batteries (not included) into the main display unit, observing polarity.
2. Alternatively, connect the provided USB cable to the main unit and a power adapter (not included) for continuous power.
3. The display will light up and begin searching for sensors.

4.2 Installing Batteries in Outdoor Sensors

1. Open the battery compartment on each of the three outdoor sensors.
2. Insert 2 AA batteries (not included) into each sensor, observing polarity.
3. Close the battery compartments securely.

4.3 Sensor Pairing

The main unit should automatically detect and pair with the outdoor sensors once they are powered on. If pairing does not occur within a few minutes:

- Ensure the sensors are within range (up to 100 meters in open air).
- Press the **SENSOR** button on the main unit to initiate a manual search.
- On each outdoor sensor, there is a small reset button (often labeled 'TX' or 'RESET'). Press this button to force a signal transmission.

4.4 Initial Settings (Time, Date, Units)

1. Press and hold the **SETTINGS** button to enter setup mode.
2. Use the +/- buttons to adjust values (e.g., hour, minute, year, month, day).
3. Press **SETTINGS** again to confirm each setting and move to the next.
4. You can typically set 12/24-hour format, Celsius/Fahrenheit units, and language preference during this process.
5. Exit setup mode by pressing **SETTINGS** repeatedly until the normal display returns, or wait for it to time out.

4.5 Sensor Placement

For accurate outdoor readings, consider the following:

- Place sensors in a shaded area, away from direct sunlight, to prevent inaccurate temperature readings.
- Ensure sensors are protected from direct rain or snow.
- Mount sensors vertically to allow for proper drainage.
- Avoid placing sensors near large metal objects, electrical appliances, or sources of heat/cold that could interfere with readings or transmission.
- Keep sensors within the effective transmission range of the main unit.

5. OPERATING THE WEATHER STATION

5.1 Display Information

The display is divided into several sections, showing:

- **Time and Date:** Current time, day of the week, and date.

- **Indoor Conditions:** Indoor temperature and humidity.
- **Outdoor Conditions:** Outdoor temperature and humidity from the selected sensor.
- **Weather Forecast:** Icons representing predicted weather conditions (e.g., sunny, cloudy, rainy).
- **Comfort Level:** An indicator of indoor comfort based on temperature and humidity.
- **Trend Indicators:** Arrows showing if temperature or humidity is rising, falling, or stable.



Image 3: Angled view of the WS6825 display, showing the clear segmentation of information.

5.2 Viewing Multiple Outdoor Sensors

Press the **CHANNEL** button to cycle through the readings from the three connected outdoor sensors (CH1, CH2, CH3). The display will indicate which channel's data is currently shown.

5.3 Minimum/Maximum Readings

Press the **MIN/MAX** button to view the highest and lowest recorded indoor and outdoor temperatures and humidity levels since the last reset. Press again to cycle through MIN, MAX, and current readings. To reset the MIN/MAX values, press and hold the **MIN/MAX** button while viewing them.

5.4 Setting Alarms

1. Press the **ALARM** button to view the alarm time.
2. Press and hold the **ALARM** button to enter alarm setting mode.
3. Use the +/- buttons to adjust the hour and minute.
4. Press **ALARM** to confirm each setting.
5. Press **ALARM** once more to activate or deactivate the alarm (an alarm icon will appear/disappear).

5.5 Temperature/Humidity Alerts

The station may support setting high/low alerts for temperature and humidity. Refer to the on-screen prompts or the **ALERTS** button functionality for detailed instructions on setting these thresholds.

6. MAINTENANCE

6.1 Battery Replacement

- Replace batteries in the main unit and sensors when the low battery indicator appears on the display.
- Always replace all batteries in a unit at the same time with new batteries of the same type.
- Dispose of old batteries responsibly according to local regulations.

6.2 Cleaning

Wipe the display unit and sensors with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these may damage the surfaces or electronic components.

6.3 Environmental Considerations

Periodically check the placement of your outdoor sensors to ensure they remain protected from extreme weather and are still providing accurate readings. Clear any debris that may accumulate around the sensors.

7. TROUBLESHOOTING

Problem	Possible Solution
No outdoor temperature/humidity reading.	<ul style="list-style-type: none">• Ensure batteries are correctly installed in the sensor.• Press the 'TX' or 'RESET' button on the sensor.• Press the SENSOR button on the main unit to search.• Move the sensor closer to the main unit.• Check for interference from other electronic devices.
Inaccurate temperature/humidity readings.	<ul style="list-style-type: none">• Ensure sensors are not in direct sunlight or near heat/cold sources.• Verify proper ventilation around sensors.• Replace batteries in the sensor.

Problem	Possible Solution
Display is blank or dim.	<ul style="list-style-type: none">• Replace batteries in the main unit.• Ensure USB power cable is securely connected if using.• Adjust backlight using the LIGHT button.
Time/Date is incorrect.	<ul style="list-style-type: none">• Manually set the time and date using the SETTINGS button.

8. SPECIFICATIONS

Feature	Detail
Model Number	WS6825BLA+2
Brand	La Crosse Technology
Product Dimensions	15 x 4.2 x 12.3 cm (Main Unit)
Weight	0.3 g (Main Unit)
Indoor Temperature Range	0°C to 50°C (32°F to 122°F)
Outdoor Temperature Range	-40°C to 60°C (-40°F to 140°F)
Indoor Humidity Range	1% to 99% RH
Outdoor Humidity Range	1% to 99% RH
Connectivity Technology	Radio Frequency (433 MHz)
Power Source (Main Unit)	Battery Powered (3x AAA, not included) or USB Cable
Power Source (Sensors)	Battery Powered (2x AA per sensor, not included)
Material	Kunststoff (Plastic)
Special Features	Color Display, Time & Date, Alarm with Snooze, Calendar, Min/Max Records, Trend Indicators, Weather Forecast, Comfort Level, Heat Index, Dew Point

9. WARRANTY AND SUPPORT

La Crosse Technology products are designed for reliability and performance. For specific warranty information, please refer to the warranty card included with your purchase or visit the official La Crosse Technology website. If you encounter any issues not covered in this manual, please contact La Crosse Technology customer support for assistance.

Please retain your proof of purchase for any warranty claims.