

Sainlogic SA8

Sainlogic SA8 Home Weather Station User Manual

Model: SA8 | Brand: Sainlogic

1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Sainlogic SA8 Home Weather Station. Please read this manual thoroughly before use to ensure proper functionality and to prevent damage to the device.

2. SAFETY INFORMATION

- Ensure the outdoor sensor is securely mounted to prevent damage from wind or other environmental factors.
- Avoid placing the display console in direct sunlight or near heat sources.
- Use only the provided power adapter for the display console.
- Keep batteries out of reach of children. Dispose of used batteries responsibly.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1x Display Console
- 1x Integrated Outdoor Transmitter (Outdoor Sensor)
- 1x Power Adapter
- 1x Foot Mounting (with pole insert)
- 1x Mounting Bracket Back Plate (pole mount)
- 1x Mounting Pole
- 2x Pole mounting nuts (M3) / bolts (D3)
- 4x Pole mounting nuts (M5) / bolts (D5)
- 4x Tapping screws
- 1x User Manual

4. PRODUCT OVERVIEW

The Sainlogic SA8 Home Weather Station consists of two main components: the Display Console and the

Integrated Outdoor Transmitter.

4.1. Display Console

The display console features a 7.5-inch high-contrast color screen with extra-large, bold fonts for easy readability. It shows indoor and outdoor weather data, including temperature, humidity, barometric pressure, wind speed/direction, rainfall, dew point, 'feels like' temperature, moon phases, and calendar information. It also includes a manual 3-level backlight adjustment.

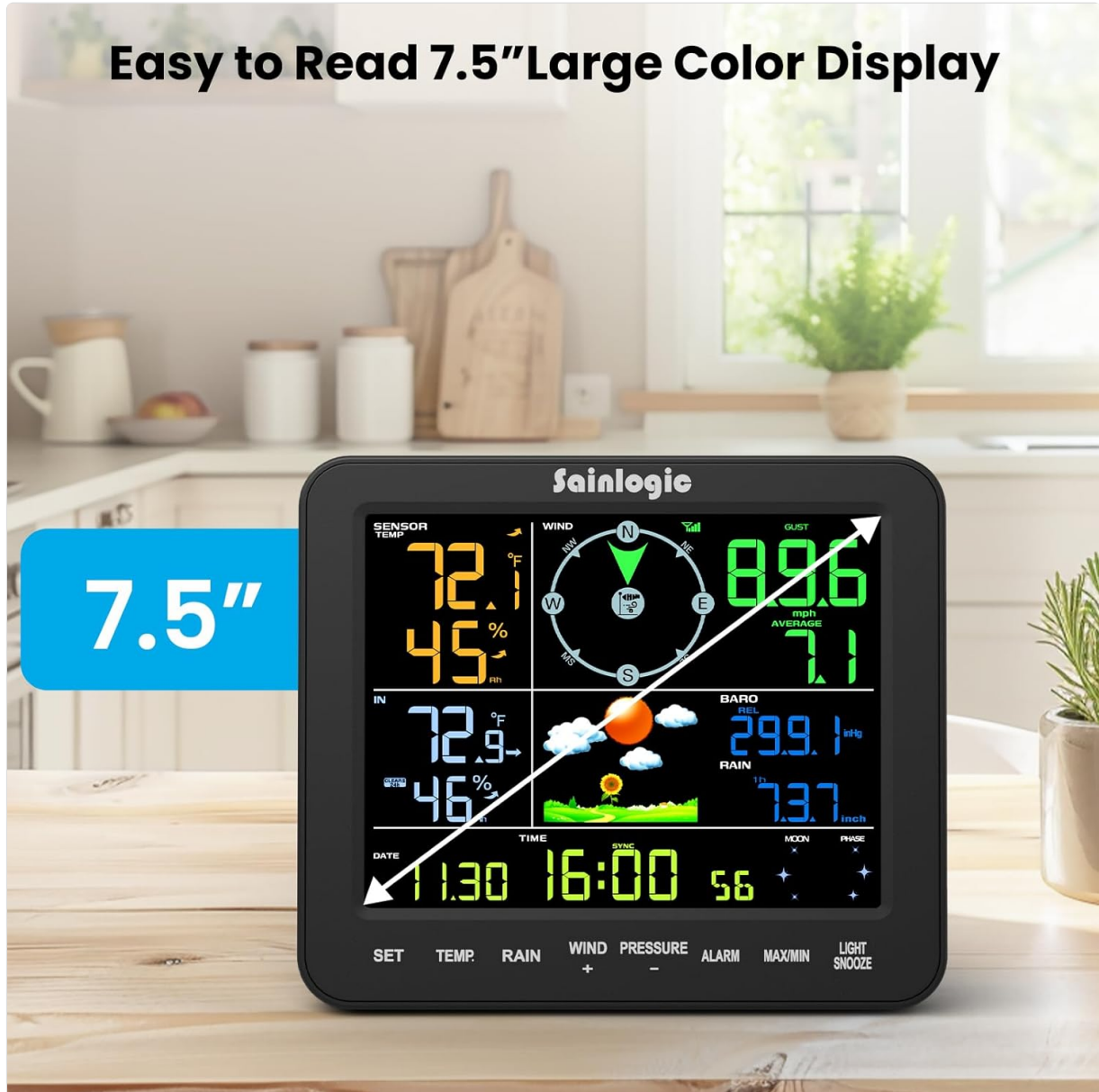


Image: The 7.5-inch color display console showing various weather parameters with large, easy-to-read fonts.

4.2. Integrated Outdoor Transmitter

This wireless sensor array measures various outdoor weather conditions. It includes components for measuring wind speed, wind direction, rainfall, temperature, and humidity. The unit is designed for easy installation in various outdoor locations.



Image: Diagram illustrating the components of the outdoor sensor array, including the rain gauge, UV/sunlight sensor, wind cup, wind vane, and temperature/humidity sensor.

5. SETUP AND INSTALLATION

5.1. Outdoor Sensor Installation

The outdoor sensor can be mounted in various ways using the provided hardware. Ensure the sensor is placed in an open area, away from obstructions, to obtain accurate readings for wind and rain.



Image: Various mounting options for the outdoor sensor, including top mount, pole top mount, side mount, and pole side mount.

- 1. Insert Batteries:** Open the battery compartment on the outdoor sensor and insert 3 AA batteries (not included). Close the compartment securely.

2. **Choose Mounting Location:** Select a location that is clear of obstructions for accurate wind and rain measurements. The sensor should be mounted at least 1.5 meters (5 feet) above the ground.
3. **Mount the Sensor:** Use the provided mounting pole, foot mounting, and bracket to secure the sensor. Ensure the sensor is level using the built-in bubble level for accurate rain and wind readings.

5.2. Display Console Setup

1. **Power On:** Plug the power adapter into the display console and a power outlet. The console will power on and begin searching for the outdoor sensor signal.
2. **Insert Backup Batteries:** For power outage backup, insert 3 AAA batteries (not included) into the battery compartment on the back of the display console.
3. **Sensor Pairing:** The display console will automatically attempt to pair with the outdoor sensor. This process may take a few minutes. Once connected, outdoor data will appear on the screen.

6. OPERATION

6.1. Display Layout

The 7.5-inch color display is divided into several sections, each showing specific weather data:



Image: Detailed view of the display console, highlighting sections for outdoor temperature/humidity, indoor temperature/humidity, wind direction, wind speed/gust, barometric pressure, rainfall, moon phase, time, and date.

- **Outdoor Temperature & Humidity:** Displays current outdoor temperature (0°C - 60°C) and humidity (10% - 99%).
- **Indoor Temperature & Humidity:** Displays current indoor temperature (-40°C - 60°C) and humidity (10% - 99%).
- **Wind Speed & Direction:** Shows current wind speed, gust, and direction.
- **Barometric Pressure:** Displays current atmospheric pressure (300 - 1100 hPa).
- **Rainfall:** Tracks hourly, daily, weekly, monthly, and cumulative rainfall data with high accuracy ($\pm 1\text{mm}$ for $<15\text{mm}$, $\pm 7\%$ for 15-9999mm).
- **Time & Date:** Current time, day of the week, and date.
- **Moon Phase:** Indicates the current moon phase.
- **Weather Forecast:** Graphical icons predict upcoming weather conditions.

6.2. Backlight Adjustment

The display console features a 3-level adjustable backlight (100%, 60%, 20%) for optimal viewing in various lighting conditions. Use the 'LIGHT/SNOOZE' button to cycle through the brightness levels.



Image: The display console showing three different backlight intensity levels (100%, 60%, 20%) and the location of the 'LIGHT/SNOOZE' button.

6.3. Setting Time, Date, and Units

Refer to the user manual for detailed instructions on how to set the time, date, and preferred units of measurement (e.g., Celsius/Fahrenheit for temperature, hPa/inHg for pressure).

6.4. Alarm Function

The weather station includes an alarm clock function. Consult the user manual for steps to set and manage alarms.

7. MAINTENANCE

- **Cleaning:** Regularly wipe the display console with a soft, dry cloth. Clean the outdoor sensor periodically to remove dust, debris, or insects that may affect its accuracy.
- **Battery Replacement:** Replace batteries in both the outdoor sensor and display console (if used for backup) when the low battery indicator appears on the screen.
- **Rain Gauge:** Ensure the rain gauge funnel is clear of debris to maintain accurate rainfall measurements.

8. TROUBLESHOOTING

- **No Outdoor Data:** Ensure the outdoor sensor has fresh batteries and is within range of the display console. Check for any strong interference sources.
- **Inaccurate Readings:** Verify the outdoor sensor is correctly installed and leveled. Ensure no obstructions are affecting wind or rain sensors.
- **Display Not Responding:** Try resetting the display console by removing and reinserting the power adapter and backup batteries.

9. SPECIFICATIONS

Product Dimensions	1 x 7.5 x 6.3 inches; 2.3 Pounds
Item Model Number	SA8
Batteries Required	3 AA batteries (for outdoor sensor)
Material	Acrylonitrile Butadiene Styrene (ABS)
Connectivity Technology	Wireless
Indoor Temperature Range	0°C - 60°C
Outdoor Temperature Range	-40°C - 60°C
Humidity Range	10% - 99%
Barometric Pressure Range	300 - 1100 hPa
Rainfall Accuracy	±1mm (under 15mm), ±7% (15-9999mm)

10. WARRANTY AND SUPPORT


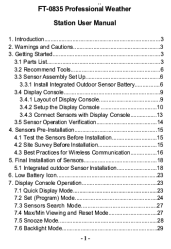


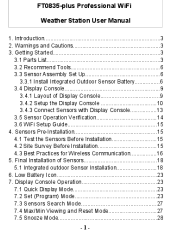
Sainlogic offers dedicated customer support for your weather station. For assistance, you can reach us via:

- **Phone Support:** Available Monday through Friday, 10:00 AM to 6:00 PM (Eastern Time).

- **Email Support:** Expect a reply within 24 hours on weekdays and 48 hours on weekends.
- **Online Resources:** Visit the Sainlogic official website for additional guides and support resources.

For warranty information and registration, please refer to the documentation included in your package or visit the official Sainlogic website.

Related Documents - SA8

	<p>SC088 Professional Wireless Weather Station User Manual</p> <p>Comprehensive user manual for the SC088 Professional Wireless Weather Station, covering installation, operation, calibration, troubleshooting, and specifications.</p>
	<p>Sainlogic FT-0835 Professional Weather Station User Manual: Setup, Operation, and Troubleshooting</p> <p>Comprehensive user manual for the Sainlogic FT-0835 Professional Wireless Weather Station. Covers installation, sensor setup, display console operation, maintenance, troubleshooting, and FCC compliance.</p>
	<p>Sainlogic SA8 Weather Station: Quick Setup Guide & User Manual for Accurate Home Weather Monitoring</p> <p>Comprehensive guide for the Sainlogic SA8 Wireless Weather Station, covering quick setup, installation, operation, maintenance, and troubleshooting for accurate home weather data.</p>
	<p>Sainlogic SA6 Plus Weather Station: Quick Setup & User Manual</p> <p>Get started with your Sainlogic SA6 Plus Weather Station. This guide covers quick setup, assembly, WiFi connection via Weatherseed app, and detailed operation for accurate local weather monitoring.</p>
	<p>FT0835-plus Professional WiFi Weather Station User Manual</p> <p>User manual for the Sainlogic FT0835-plus Professional WiFi Weather Station, covering installation, setup, operation, calibration, troubleshooting, and specifications for accurate home weather monitoring.</p>

[SC088 Professional Wireless Weather Station User Manual](#)

User manual for the SC088 Professional Wireless Weather Station, providing instructions on setup, operation, installation, troubleshooting, and specifications.