sainlogic SA1

Sainlogic SA1 Smart Weather Station User Manual

Model: SA1

1. Introduction

The Sainlogic SA1 Smart Weather Station is an advanced device designed to provide comprehensive weather data for your home and surroundings. Featuring a large 8.5-inch color LCD display, it offers real-time indoor and outdoor temperature, humidity, barometric pressure, dew point, and 'feels like' temperature. With its Wi-Fi connectivity, it syncs time automatically and provides accurate 24-hour and 7-day AI-driven weather forecasts via the Weatherseed® app. The system also supports instant notification alerts and stores up to two years of historical data, making it an essential tool for monitoring environmental conditions.

2. Package Contents

Ensure all the following components are present in your package:

- Display Console
- Outdoor Sensor
- Power Adapter
- Instruction Manual



Figure 2.1: Sainlogic SA1 Smart Weather Station components including the main display, outdoor sensor, and power adapter.

3. Setup Guide

3.1 Powering the Display Console

The display console offers dual power supply options for continuous operation and memory backup.

1. **Connect Power Adapter:** For continuous backlighting and full functionality, plug the provided power adapter into the DC IN port on the display console and then into a standard wall outlet.
2. **Install Backup Batteries:** Insert 3 AAA batteries (not included) into the battery compartment on the back of the console. These batteries will maintain time and settings during power outages.



Figure 3.1: Dual power supply options for the display console.

3.2 Installing and Placing the Outdoor Sensor

The outdoor sensor wirelessly transmits temperature and humidity data to the display console.

1. **Install Batteries:** Open the battery compartment on the outdoor sensor and insert 3 AAA batteries (not included).
2. **Pairing:** The sensor should automatically pair with the display console once powered on. If not, refer to the troubleshooting section.
3. **Placement:** Place the sensor in a sheltered location outdoors, away from direct sunlight and rain, to ensure accurate readings. A north-facing wall or under an overhang is ideal. The wireless transmission range is up to 330 feet (100 meters) without obstructions.



Figure 3.2: Sainlogic outdoor sensor.



Figure 3.3: Recommended sensor placement for optimal wireless transmission.

3.3 Connecting to Wi-Fi and App

The Weatherseed® app enhances your weather monitoring experience by providing detailed forecasts, historical data, and customizable alerts.

1. **Download Weatherseed® App:** Search for "Weatherseed" in the Google Play Store or Apple App Store and download the application.
2. **Register/Log In:** Follow the in-app instructions to create an account or log in.
3. **Connect to Wi-Fi:** Ensure your display console is powered on. In the Weatherseed app, follow the steps to add a new device and connect it to your 2.4GHz Wi-Fi network. The weather station will automatically sync time and date via Wi-Fi.



Figure 3.4: Wi-Fi connectivity for automatic time synchronization.

4. Operating Instructions

4.1 Display Overview

The 8.5-inch color LCD display provides a clear overview of all weather data. For best viewing, observe the console from a 20 to 30-degree angle from above.

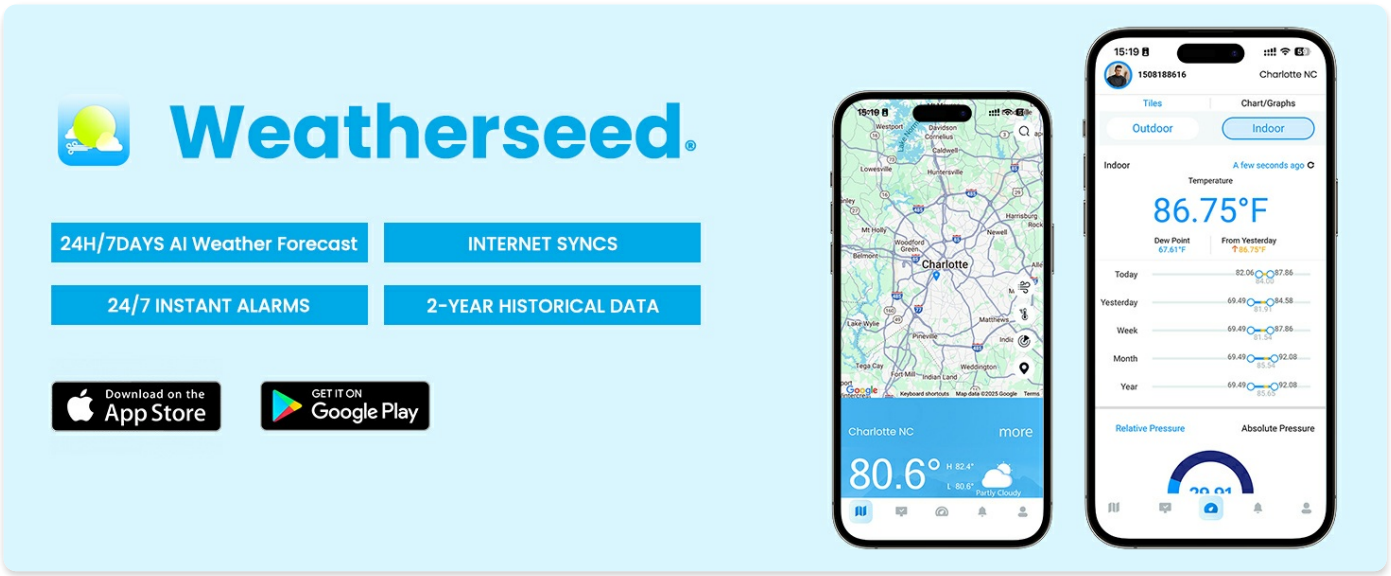


Figure 4.1: Annotated display console showing various data points.

Display Sections and Their Meanings

Section	Description
Date & Time	Current date and time, automatically synced via Wi-Fi. Includes DST indicator.
Weather Forecast	AI-driven forecast for the next 24 hours and 7 days, displayed with intuitive icons.
Sensor (Outdoor)	Temperature and humidity readings from the outdoor sensor, including Max/Min values.
Indoor	Temperature and humidity readings from the console's built-in sensor, including Max/Min values.
Dew Point	The temperature at which air becomes saturated with water vapor and dew begins to form.
Feels Like	Perceived temperature, accounting for humidity and wind chill.
Relative/Absolute Pressure	Barometric pressure readings.
Moon Phase	Graphical representation of the current moon phase.

4.2 App Features

The Weatherseed® app provides extended functionality and data access.

- **Detailed Forecasts:** Access 24-hour and 7-day AI weather forecasts with detailed insights on temperature, humidity, air pressure, and moon phases.
- **Historical Data:** View and export up to 2 years of historical data graphs and charts for temperature, humidity, and pressure changes.
- **Customizable Alerts:** Set dual alarms via Email and App for temperature and humidity thresholds. Receive instant notifications if preset values are surpassed.



Figure 4.2: Weatherseed app displaying detailed weather forecasts.

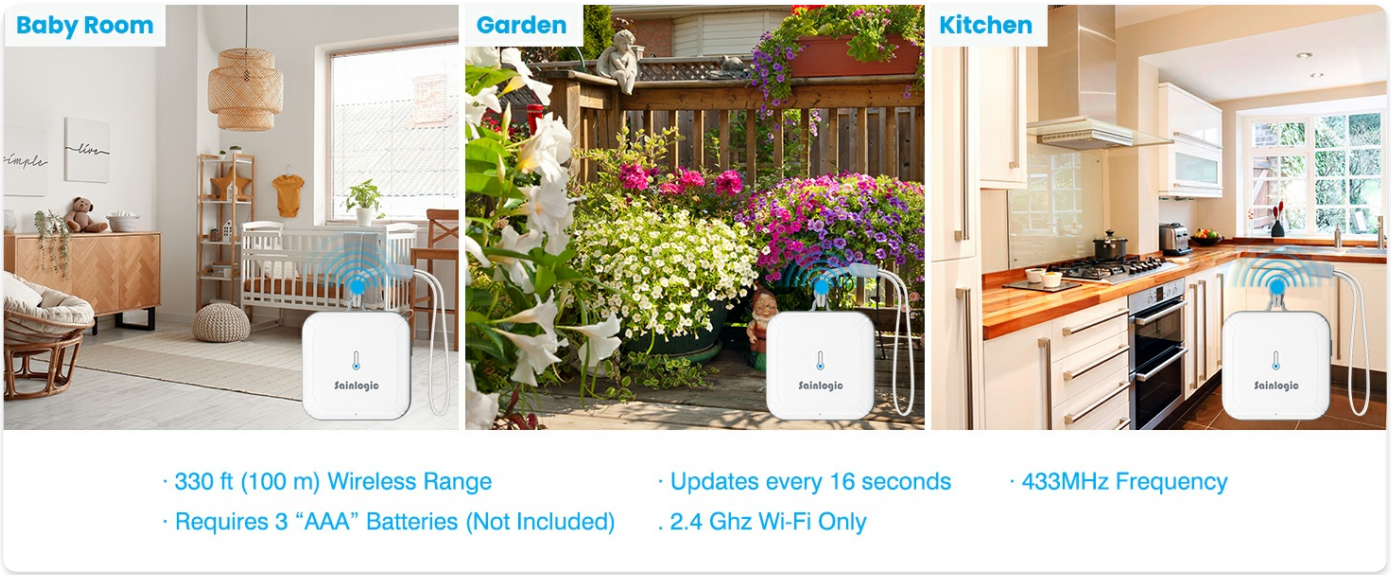


Figure 4.3: App and email dual alarm notifications.

4.3 Adjusting Backlight

The display console features a 3-level adjustable backlight for optimal visibility in various lighting conditions. This feature is continuous when the unit is plugged in via the power adapter.



Figure 4.4: Adjustable backlight levels for the display console.

5. Maintenance

- **Battery Replacement:** Replace batteries in the outdoor sensor and display console (if using backup) annually or when the low battery indicator appears.
- **Cleaning:** Wipe the display console and sensor with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Sensor Placement:** Periodically check the outdoor sensor's placement to ensure it remains sheltered from direct weather elements for accurate readings.

6. Troubleshooting

Common Issues and Solutions

Issue	Possible Cause	Solution
No outdoor sensor data	Sensor batteries low or dead; sensor out of range; interference.	Replace sensor batteries; move sensor closer to console; reduce interference from other electronics.
Incorrect temperature/humidity readings	Sensor exposed to direct sunlight/rain; poor ventilation; calibration needed.	Relocate sensor to a sheltered, well-ventilated area; refer to manual for calibration steps if available.
Wi-Fi connection issues	Incorrect Wi-Fi password; 5GHz network used; router too far.	Ensure correct 2.4GHz Wi-Fi network and password; move console closer to router.
App notifications not received	App permissions not enabled; alarm thresholds not set correctly; internet connectivity issues.	Check app notification permissions on your phone; verify alarm settings in the app; ensure stable internet connection.

7. Technical Specifications

Feature	Specification
Model Number	SA1
Display Type	8.5-inch Color LCD
Connectivity	Wi-Fi (2.4GHz only)
Outdoor Sensor Range	Up to 330 ft (100 m) wireless transmission
Temperature Range (Outdoor)	-40°F to 140°F (-40°C to 60°C)
Humidity Range	1% to 99% RH
Barometric Pressure Range	8.85 to 32.50 inHg (300 to 1100 hPa)
Power Source (Console)	Power Adapter (included) and 3 AAA batteries (not included) for backup
Power Source (Sensor)	3 AAA batteries (not included)
Material	Acrylonitrile Butadiene Styrene (ABS)
Dimensions (Console)	8.5"D x 6.2"W x 1"H
Item Weight	1.67 pounds (0.76 kg)
UPC	734257145190

8. Warranty and Support

Sainlogic products are designed for durability and performance. For specific warranty details, please refer to the warranty card included with your product or visit the official Sainlogic website. If you encounter any issues or require technical assistance, please contact Sainlogic customer support through the contact information provided in your product packaging or on the official website. You can also utilize the 'Support' section within the Weatherseed® app for assistance.

9. Official Product Video

Your browser does not support the video tag.

Video 9.1: An official product video showcasing the Sainlogic WiFi Smart Weather Station SA1, demonstrating its features and functionality.

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