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sainlogic FT0835-plus

Sainlogic Professional WiFi Weather Station User Manual

Brand: Sainlogic | Model: FT0835-plus

1. INTRODUCTION

Thank you for choosing the Sainlogic Professional WiFi Weather Station. This manual provides detailed instructions for the proper setup, operation, and maintenance of your weather station to ensure accurate and reliable weather monitoring. Please read this manual thoroughly before use and retain it for future reference.



Figure 1.1: Sainlogic Professional WiFi Weather Station with its display console, outdoor sensor, and smartphone app integration.

2. PRODUCT OVERVIEW & KEY FEATURES

The Sainlogic Professional WiFi Weather Station offers comprehensive weather monitoring capabilities for your home and garden. Its advanced features provide precise data and seamless connectivity.

- **Large Color Display:** Features a brilliant, easy-to-read LCD color display that presents all weather data clearly from various angles.
- **WiFi Connectivity:** Supports Weather Underground and Weathercloud connections, allowing you to easily save, compare, and evaluate all weather data through their platforms and the Sainlogic app.
- **Accurate Measurements:** Precisely measures indoor and outdoor temperature and humidity, wind speed and direction, barometric pressure, and precipitation. Includes min/max records, wind chill, dew point alarm, weather forecast based on air pressure, calendar, and moon phases.
- **5-in-1 Outdoor Sensor:** An integrated sensor array comprising a rain funnel, solar panel, transmission module, wind vane, and high-speed anemometer. Transmits current weather information wirelessly to the base station.



Figure 2.1: Detailed view of the weather station's color display, highlighting key weather metrics.

3. PACKAGE CONTENTS

Please ensure all items are present and in good condition upon opening the package:

- Display Console (Base Station) with Stand
- 5-in-1 Outdoor Sensor / Multi-sensor
- Mounting Material (Foot Mounting with pole insert, Pole mounting nuts/bolts, Tapping screws, Mounting Bracket Back Plate)
- Mounting Pole
- Power Adapter for Display Console
- User Manual (this document)

Note: Batteries are NOT included in the delivery. The outdoor sensor requires 3 AAA batteries.

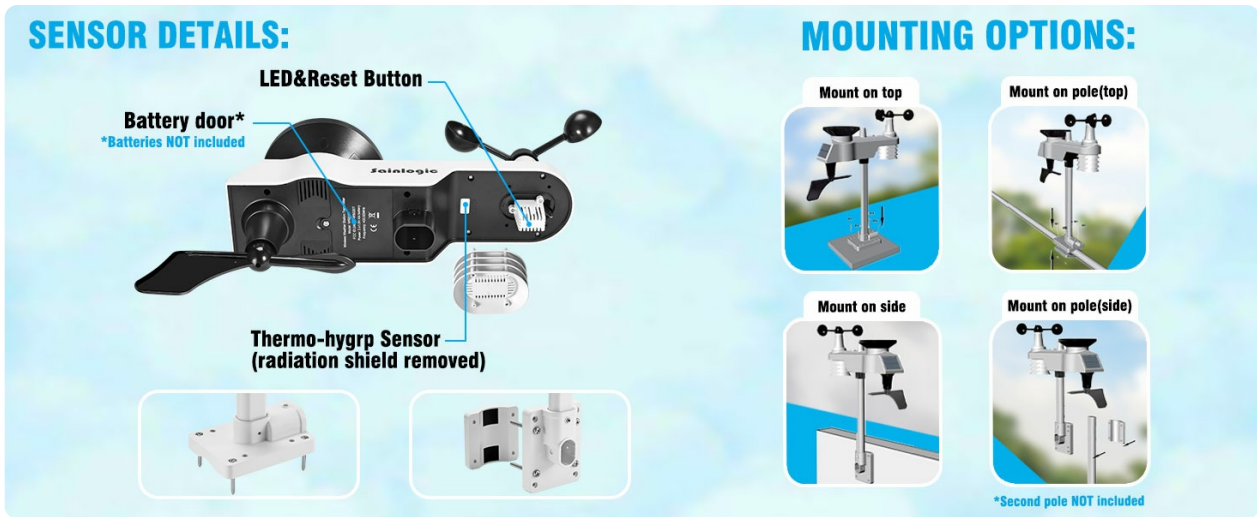


Figure 3.1: Visual representation of the weather station package details.

4. SETUP

4.1 Outdoor Sensor Installation

The 5-in-1 outdoor sensor is designed for easy assembly and flexible mounting. Choose a location that is open and free from obstructions to ensure accurate readings for wind, rain, and sunlight. Ensure the sensor is level for precise rain gauge readings.

- Assemble the wind cups and wind vane to the main sensor body.
- Insert 3 AAA batteries into the battery compartment of the outdoor sensor.
- Mount the sensor using the provided pole and mounting hardware. Various mounting options are available (on top of a pole, on the side of a pole, or directly to a flat surface).
- Use the integrated bubble level on the sensor to ensure it is perfectly horizontal.

5-in-1 OUTDOOR SENSOR



Up to 100 m/ 328 feet transmission range between console and outdoor sensor.



Wi Fi



SAINLOGIC APP FOR YOUR PHONE

Figure 4.1: Components of the 5-in-1 outdoor sensor.

OUR PRODUCT PROFILE



Figure 4.2: Sensor details and available mounting options.

4.2 Display Console Setup

Place the display console indoors, away from direct sunlight or heat sources. Plug in the power adapter to the console and a power outlet. The console will automatically begin searching for the outdoor sensor signal.

Once connected, weather data will appear on the display.

4.3 WiFi Connection & App Synchronization

To connect your weather station to Wi-Fi and synchronize data with Weather Underground, Weathercloud, and the Sainlogic app, follow these steps:

1. Ensure your display console is powered on.
2. Press and hold the MIN/MAX/- button for three seconds to enter WAP (Wireless Access Point) mode.
3. On your computer or smartphone, connect to the Wi-Fi network named "weatherhome-nnnn" (where 'nnnn' is a unique number for your console).
4. Open a web browser and navigate to the console's IP address (usually 192.168.4.1) or follow instructions in the user manual to access the setup page.
5. Enter your home Wi-Fi network details (SSID and password). Ensure your router supports 2.4GHz Wi-Fi.
6. Input your Weather Underground and/or Weathercloud device IDs and keys. Check the boxes to enable data upload.
7. Save the settings. The console will restart and begin uploading data.
8. Download the Sainlogic app from Google Play or the App Store to view your weather data on your smartphone.

EASY SYNCHRONIZATION

via WiFi **supports W.U. and WeatherCloud**

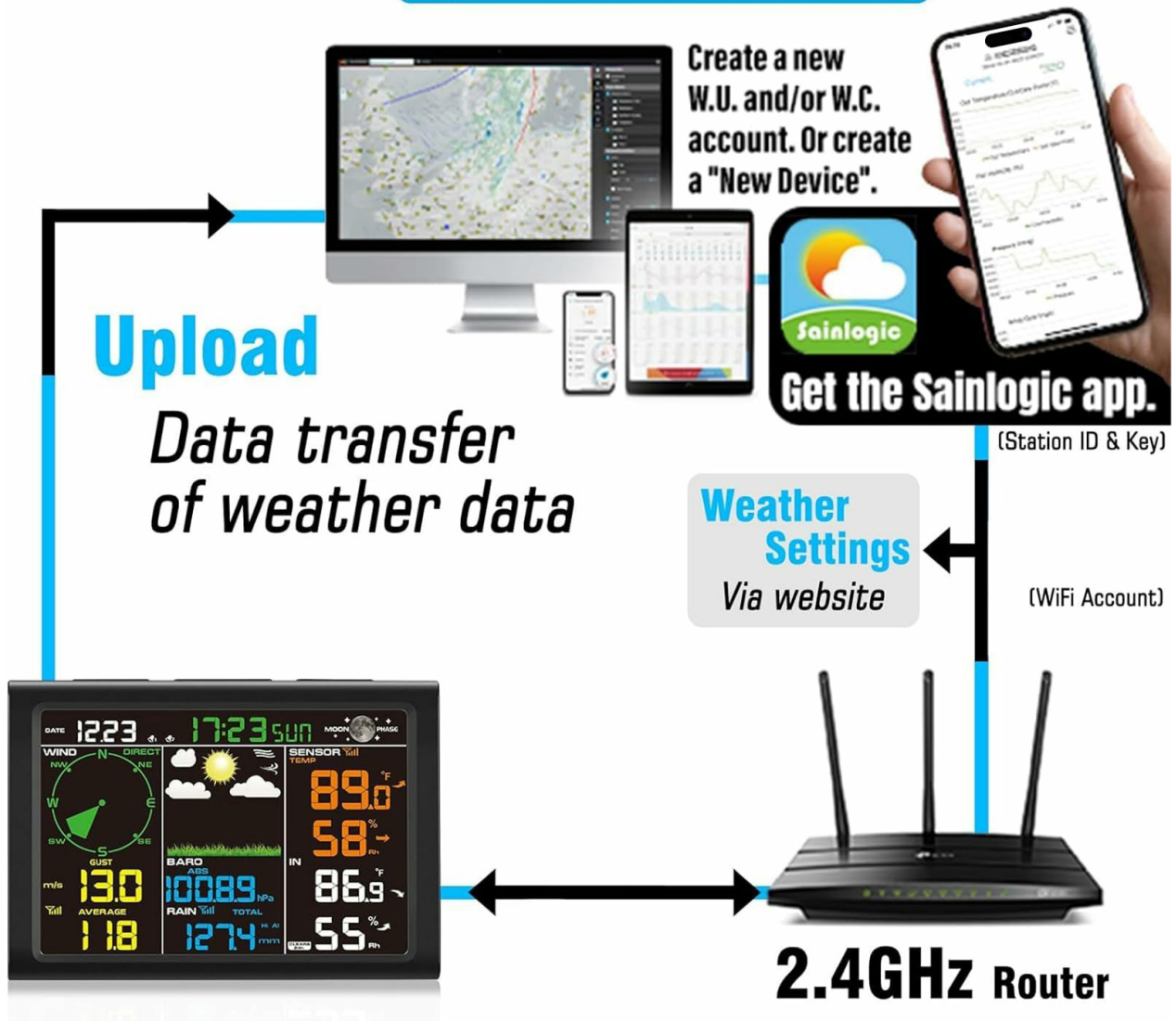


Figure 4.3: Easy synchronization process via Wi-Fi.

5. OPERATING INSTRUCTIONS

The display console provides real-time weather data and forecasts. Familiarize yourself with the different sections of the display:

- **Time & Date:** Displays current time, day of the week, and date.
- **Wind Information:** Shows current wind speed (gust and average) and wind direction via a compass rose.
- **Weather Forecast:** Icons indicate predicted weather conditions (sunny, cloudy, rainy, etc.) based on barometric pressure trends.
- **Barometric Pressure:** Displays current atmospheric pressure.
- **Rainfall:** Shows daily, weekly, and monthly precipitation totals.
- **Temperature & Humidity:** Displays indoor and outdoor temperature and humidity readings.
- **Moon Phase:** Indicates the current phase of the moon.

You can also view detailed weather data and historical trends directly on your smartphone via the Sainlogic app, providing a convenient way to monitor conditions from anywhere.



Figure 5.1: Real-time weather data viewable on your smartphone.

6. MAINTENANCE

To ensure the longevity and accuracy of your Sainlogic Weather Station, regular maintenance is recommended:

- **Cleaning:** Periodically wipe the display console with a soft, dry cloth. For the outdoor sensor, gently clean the rain collector, wind cups, and wind vane to remove any debris (leaves, dust, insects) that might obstruct their movement or accuracy.
- **Battery Replacement:** Replace the outdoor sensor's 3 AAA batteries annually or when the low battery indicator appears on the display console.
- **Sensor Placement:** Regularly check that the outdoor sensor remains securely mounted and level, especially after strong winds or storms.
- **Software Updates:** Check the Sainlogic app or website for any available firmware updates for your console to ensure optimal performance and new features.

7. TROUBLESHOOTING

If you encounter issues with your weather station, refer to the following common problems and solutions:

- **No Outdoor Sensor Data on Display:**

- Ensure the outdoor sensor has fresh batteries and is powered on.
- Verify the outdoor sensor is within the transmission range (up to 328 feet outdoors) and free from major obstructions.
- Perform a sensor search on the display console (refer to your user manual for specific button presses).

- **Inaccurate Readings (Temperature, Wind, Rain):**

- Ensure the outdoor sensor is mounted level and free from obstructions.
- Clean the rain collector and ensure the wind cups/vane spin freely.
- Allow time for sensors to stabilize after initial setup or battery replacement.

- **Wi-Fi Connection Issues:**

- Confirm your Wi-Fi router is operating on a 2.4GHz band. The weather station does not support 5GHz networks.
- Double-check your Wi-Fi password and network name (SSID).
- If issues persist, try a factory reset of the console (refer to advanced troubleshooting in the full user guide or online resources for specific steps, as this may erase all settings).

8. SPECIFICATIONS

Detailed technical specifications for the Sainlogic Professional WiFi Weather Station:

Feature	Specification
Brand	sainlogic
Model Number	FT0835-plus
Power Source	Battery Powered (Outdoor Sensor), AC Adapter (Display Console)
Number of Batteries	3 AAA batteries required (for outdoor sensor, not included)
Connectivity Technology	Wireless (433.92 MHz for sensor, 2.4GHz WiFi for internet)
Indoor Temperature Range	32°F to 140°F (0°C to 60°C)
Outdoor Temperature Range	-40°F to 140°F (-40°C to 60°C)
Temperature Accuracy	±0.5°C / 300s
Indoor/Outdoor Humidity	10% to 99% RH
Wind Speed Range	0-112 mph (0-50 m/s)
Wind Direction	0-360 degrees (8-point compass)
Rainfall Range	0-396 inches (0-9999 mm)
Barometric Pressure Range	8.85-32.5 inHg (300-1100 hPa)
Product Dimensions (Console)	1.06"D x 6.5"W x 4.61"H (27mm D x 165mm W x 117mm H)
Material	Acrylonitrile Butadiene Styrene (ABS)

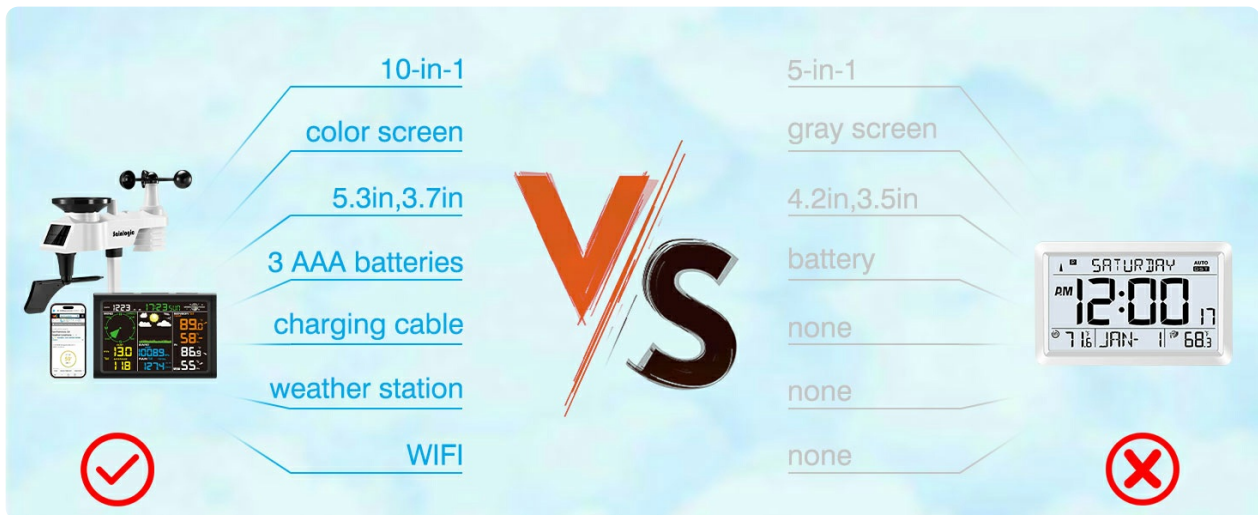


Figure 8.1: Weather Station Measurement Specifications.

9. WARRANTY AND SUPPORT

Sainlogic products are designed for durability and performance. For warranty information and to register your product for a 1-year free extension, please visit the official Sainlogic warranty website or scan the QR code provided with your product packaging.

For additional support, user guides, or to explore other Sainlogic products, please visit the official Sainlogic store or contact customer service through the provided channels in your product documentation.

- User Guide (PDF): [Download User Guide](#)
- User Manual (PDF): [Download User Manual](#)

- [Installation Manual \(PDF\): Download Installation Manual](#)
- [Sainlogic Store: Visit Sainlogic Store on Amazon](#)