sainlogic FT0310

Sainlogic WiFi Weather Station User Manual

Model: FT0310

1. Introduction

Thank you for choosing the Sainlogic WiFi Weather Station. This comprehensive system provides accurate, real-time weather data directly to your display console and allows for remote monitoring via Wi-Fi connectivity to popular weather networks like Weather Underground and WeatherCloud, as well as the dedicated Sainlogic app. This manual will guide you through the setup, operation, and maintenance of your new weather station.



Figure 1: Sainlogic WiFi Weather Station, showing the main display console and the 7-in-1 outdoor sensor unit.

2. What's Included

Your Sainlogic WiFi Weather Station package includes the following components:

- Display Console (8.3-inch LCD)
- 7-in-1 Outdoor Sensor Unit
- Power Adapter for Display Console
- Mounting Pole and Hardware (Foot Mounting, Pole Mounting Nuts, Bolts, Tapping Screws)
- User Manual (this document)

Note: 3 AAA batteries are required for the outdoor sensor but are not included.



Figure 2: Overview of included components and dimensions.

3. Setup

3.1 Display Console Setup

1. Place the display console on a flat, stable surface using its desktop stand, or mount it on a wall using the hanging holes.
2. Connect the power adapter to the display console and plug it into a power outlet.
3. The console will power on and begin searching for the outdoor sensor.



Figure 3: The 8.3-inch LCD display console, highlighting its various data readouts.



Figure 4: Rear of the display console, indicating battery installation and mounting options.

3.2 Outdoor Sensor Installation

The 7-in-1 outdoor sensor measures wind speed, wind direction, rainfall, UV index, light, temperature, and humidity.

1. **Battery Installation:** Open the battery compartment on the outdoor sensor and insert 3 AAA alkaline or lithium batteries (not included). Ensure correct polarity.
2. **Mounting Location:** Choose an open location for the outdoor sensor, free from obstructions that could affect wind, rain, or sunlight measurements. Ideal locations include a roof, garden, lawn, or open field.
3. **Mounting:** Use the provided mounting pole and hardware to securely install the sensor. Ensure the sensor is level using the built-in bubble level for accurate rain and wind measurements. The wireless transmission range between the sensor and console is up to 328 feet (100 meters).



Figure 5: Detailed view of the 7-in-1 outdoor sensor components.



Figure 6: Examples of suitable outdoor sensor installation locations.



Figure 7: Illustration of the wireless transmission range between the console and outdoor sensor.

4. Operating the Weather Station

4.1 Display Console Overview

The 8.3-inch LCD display provides a clear and comprehensive overview of current weather conditions. Key information displayed includes:

- Outdoor Temperature & Humidity
- Wind Speed & Direction (including Gust and Average)
- Rainfall & Rain Rate
- Indoor Temperature & Humidity
- Barometric Pressure
- UV Index & Sunlight
- Time, Date, and Moon Phases

- 12/24-Hour Weather Forecast



Figure 8: The large 8.3-inch display provides clear and easy-to-read weather data.



Figure 9: Detailed breakdown of the 14-in-1 wireless weather monitor display features.

4.2 Wi-Fi Connectivity and App Integration

The Sainlogic weather station supports Wi-Fi connectivity, allowing you to connect to online weather services and monitor your data remotely.

1. **Connect to Wi-Fi:** Follow the on-screen instructions on the display console or refer to the detailed Wi-Fi setup guide in the full user manual (PDF) to connect your station to your home Wi-Fi network (2.4GHz only).
2. **Weather Underground (WU) / WeatherCloud:** Once connected, you can link your weather station to Weather Underground or WeatherCloud. This allows you to:
    - View, save, and analyze your local weather data.
    - Share your data with a global community.
    - Customize charts and graphs for detailed analysis.
3. **Sainlogic App:** Download and install the "sainlogic" app on your smartphone or tablet. The app provides:

- Real-time weather conditions and historical data.
- 24H & 7-Day AI Weather Forecast.
- 24/7 Instant APP & Email Alarms.
- 2-Year Data Storage Export.



Figure 10: Easy synchronization with weather networks and the Sainlogic app.

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Video 1: An overview of the Sainlogic WiFi Weather Station with its 8.3-inch large display, demonstrating its features and connectivity.

5. Maintenance

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

- **Clean the Outdoor Sensor:** Periodically clean the rain collector funnel and ensure no debris (leaves, insects) obstructs it. Wipe down the solar panel to ensure optimal charging.
- **Battery Replacement:** Replace the AAA batteries in the outdoor sensor annually or when the low battery indicator appears on the display console.
- **Check Mounting:** Ensure the outdoor sensor remains securely mounted and level, especially after strong winds or storms.
- **Display Console:** Clean the display with a soft, dry cloth. Avoid using abrasive cleaners.

6. Troubleshooting

Problem	Possible Cause	Solution
No outdoor data displayed.	Sensor not powered, out of range, or interference.	Check outdoor sensor batteries. Move sensor closer to console. Reduce interference from other electronic devices.
Inaccurate rain readings.	Rain collector blocked or sensor not level.	Clear any debris from the rain collector. Ensure the outdoor sensor is perfectly level.
Wi-Fi connection issues.	Incorrect Wi-Fi password, 5GHz network, or weak signal.	Double-check Wi-Fi password. Ensure you are connecting to a 2.4GHz network. Move console closer to router or use a Wi-Fi extender.
Display is dim or blank.	Power adapter issue or console malfunction.	Ensure power adapter is securely connected and outlet is working. Try a different power outlet.

7. Specifications

Feature	Detail
Model Number	FT0310
Display Type	LCD
Display Dimensions (LxW)	8.47"W x 6.22"H
Connectivity Technology	Wi-Fi (2.4GHz)
Outdoor Sensor Transmission Range	Up to 328 feet (100 meters)
Outdoor Temperature Range	-40°F to 140°F (-40°C to 60°C)
Indoor Temperature Range	37°F to 140°F (0°C to 60°C)
Temperature Accuracy	±1°C
Rain Measurement Range	0-396 inches (0-9999 mm)
Wind Speed Range	0-112 mph (0-180 km/h)

Feature	Detail
Wind Direction	0-360 degrees
Power Source (Console)	Power Adapter
Power Source (Outdoor Sensor)	3 x AAA Batteries (not included)
Material	Acrylonitrile Butadiene Styrene (ABS)
Color	White
Item Weight	4.91 pounds

8. Warranty and Support

Sainlogic is committed to providing quality and reliable tools. For specific warranty details and customer support, please refer to the warranty card included with your product or visit the official Sainlogic website.
You can also find additional support and resources, including downloadable user guides, on theSainlogic Store on Amazon.

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