SZFZMZ ZWS390

SZFZMZ ZWS390 Wi-Fi Weather Station User Manual

Model: ZWS390

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your SZFZMZ ZWS390 Wi-Fi Weather Station. Please read this manual thoroughly before using the device to ensure proper functionality and longevity.

PACKAGE CONTENTS

Verify that all components are present in your package:

- Main Display Console
- 7-in-1 Outdoor Sensor
- Remote Sensor (one remote sensor is typically included)
- Instruction Manual (this document)
- Mounting Hardware for Outdoor Sensor
- Power Adapter for Main Console

Image: Overview of the SZFZMZ ZWS390 Wi-Fi Weather Station components, including the main display console, the 7-in-1 outdoor sensor, and a remote sensor.

SETUP GUIDE

1. Unpacking and Initial Inspection

Carefully remove all components from the packaging. Inspect for any signs of damage. If any parts are missing or damaged, contact customer support.

2. Installing Batteries

The main console and outdoor sensor require batteries (not included). Insert the correct type and number of batteries into each unit, observing polarity.

- **Main Console:** Refer to the battery compartment for specific requirements (e.g., AA or AAA batteries).
- **Outdoor Sensor:** Refer to the battery compartment for specific requirements. Ensure the battery compartment is sealed properly after installation to protect against weather.

3. Mounting the Outdoor Sensor

The 7-in-1 outdoor sensor should be mounted in an open area, away from obstructions, to ensure accurate

readings for wind, rain, temperature, and UV. Consider the following:

- **Height:** Mount at a height that allows for accurate wind measurement, typically 2-3 meters (6-10 feet) above ground.
- **Clearance:** Ensure no trees, buildings, or other structures block wind flow or rain collection.
- **Sunlight:** The solar panel on the outdoor sensor requires direct sunlight for optimal performance and battery charging.
- **Orientation:** Orient the wind direction vane correctly, usually pointing North.

Image: Detailed view of the 7-in-1 outdoor sensor, highlighting its components such as wind cups, lighting & UV sensors, rain funnel, temperature & humidity induction box, and wind directional vane.

4. Powering On the Main Console

After installing batteries, the main console should power on automatically. If not, check battery installation or connect the power adapter.

5. Sensor Synchronization

The main console will automatically attempt to connect with the outdoor sensor. This process may take a few minutes. Ensure both units are within the specified transmission range (up to 100m / 328 feet).

OPERATING INSTRUCTIONS

1. Display Overview

The main console features a 7.48-inch color screen displaying various weather parameters. Key indicators include:

- Network Forecast
- Rainfall (current, hourly, daily)
- Wind Speed and Direction
- Outdoor Temperature and Humidity
- Indoor Temperature and Humidity
- UV Index
- Barometric Pressure
- Time and Date
- Forecast Temperature (High/Low)

Indoor & Outdoor Temperature | Indoor & Outdoor Humidity | Wind Direction & Speed | Air Pressure & Light Intensity | Weather Forecast

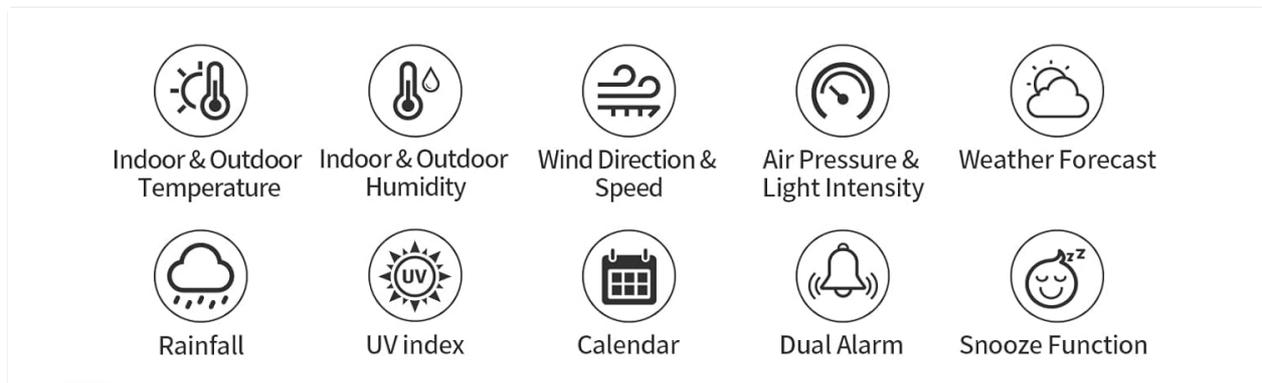Rainfall | UV index | Calendar | Dual Alarm | Snooze Function

Image: The main display console illustrating various weather data points such as indoor/outdoor temperature and humidity, wind direction and speed, air pressure, light intensity, rainfall, UV index, calendar, and alarm functions.

2. Wi-Fi Connectivity and App Integration

The ZWS390 Weather Station supports Wi-Fi connectivity for data transfer and remote monitoring via a smartphone application.

1. **Download the App:** Search for and download the "WeatherSense" app (or similar, as indicated by the image) from your device's app store.
2. **Create an Account:** Register for a new account within the app.
3. **Connect to Wi-Fi:** Follow the in-app instructions to connect your main console to your 2.4GHz Wi-Fi router. The device will typically be named "W003" during the setup process.
4. **Data Upload:** Once connected, the weather station will upload data to the app, allowing you to view current and historical weather information remotely.

Image: A diagram illustrating the easy synchronization process via a phone application, showing the 2.4GHz router, Wi-Fi account, and data transfer to the WeatherSense app after creating an account and adding the device named "W003".

3. Understanding Weather Forecasts

The station provides a 12-hour weather forecast based on barometric pressure changes. Icons represent various conditions:

- Sunny

- Cloudy
- Rainy
- Snowy
- Hail
- Storm

Note: The accuracy of a general pressure-based forecast is approximately 70-75%.

Image: Visual representation of the 12-hour weather forecast feature, displaying icons for sunny, cloudy, rainy, snowy, hail, and storm conditions, along with a note on forecast accuracy.

4. Additional Features

- **Adjustable Brightness:** Adjust the display brightness for optimal viewing.
- **Alarm Function:** Set alarms for specific times.
- **Snooze Function:** Temporarily silence alarms.
- **Multiple Channels:** The console supports up to 3 remote sensors (only one typically included).

Support Up To 3 Channels

Only 1 remote sensor is included in the package of the wifi weather station, please contact us if you need additional sensors.

Image: The main display console demonstrating support for up to 3 remote channels (CH1, CH2, CH3), indicating the ability to connect multiple remote sensors.

MAINTENANCE

- **Cleaning:** Wipe the display console and outdoor sensor with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- **Battery Replacement:** Replace batteries in both the main console and outdoor sensor when the low battery indicator appears on the display.
- **Outdoor Sensor Check:** Periodically check the outdoor sensor for debris (leaves, dirt) in the rain funnel or on the wind cups, which can affect accuracy.
- **Firmware Updates:** Check the app periodically for any available firmware updates for the weather station.

TROUBLESHOOTING

Problem	Possible Solution
No display on main console	Check battery installation and power connection. Ensure batteries are fresh.

Problem	Possible Solution
Outdoor sensor not connecting	Ensure outdoor sensor batteries are fresh. Verify the sensor is within range of the main console. Restart both units.
Inaccurate readings (wind, rain, temp)	Check outdoor sensor for obstructions or debris. Ensure proper mounting and orientation. Calibrate if a calibration option is available (refer to app settings).
Wi-Fi connection issues	Ensure your router is 2.4GHz. Check Wi-Fi password. Restart router and main console. Ensure strong Wi-Fi signal at console location.
App not displaying data	Verify Wi-Fi connection on the console. Check internet connectivity on your phone. Ensure the app is updated to the latest version.

TECHNICAL SPECIFICATIONS

Feature	Detail
Brand	SZFZMZ
Model Number	ZWS390
Recommended Uses	Home
Specific Uses	Dew Point, Heat Index, Humidity, Temperature, UV Index
Power Source	Battery Powered
Special Features	Adjustable Brightness, Alarm, Clock
Material	Acrylonitrile Butadiene Styrene (ABS)
Connectivity Technology	Wi-Fi (2.4GHz)
Color	Black
Main Console Dimensions	Approx. 20.3W x 13H x 3.3D Centimeters (8W x 5.1H inches)
Remote Sensor Dimensions	Approx. 4W x 15H Centimeters (1.57W x 5.9H inches)
Item Weight	1 kg 720 g
Display Size	7.48-inch Color Screen
Outdoor Sensor Transmission Range	Up to 100 m / 328 feet

7.48 -INCH COLOR SCREEN

1.57inch

8inch

5.9inch

5.1inch

Image: Visual representation of the dimensions for the main display console and the remote sensor.

CUSTOMER SUPPORT

For further assistance, technical support, or warranty inquiries, please refer to the contact information provided with your product packaging or visit the official SZFZMZ website.