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› Ambient Weather WS-1965 Pool Bundle WiFi Weather Station Instruction Manual

Ambient Weather WS-1965

Ambient Weather WS-1965 Pool Bundle WiFi Weather Station Instruction Manual

Model: WS-1965

INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Ambient Weather WS-1965 Pool Bundle. This system combines the WS-1965 WiFi Weather Station with a WH31PF Wireless Waterproof Floating Pool and Spa Thermometer to provide comprehensive environmental monitoring for your backyard and pool area. Please read this manual thoroughly before installation and use.

WHAT'S INCLUDED

The Ambient Weather WS-1965 Pool Bundle includes the following components:

- **WS-1965 Weather Station Console:** Color display unit for viewing weather data.
- **Integrated Sensor Array:** Measures wind speed/direction, temperature, humidity, dew point, rainfall, and heat index.
- **WH31PF Pool Float Temperature Sensor:** Waterproof, wireless floating thermometer for pool or spa.
- Mounting hardware for the sensor array.
- Power adapter for the console.
- User Manual (this document).



Image: Overview of the Ambient Weather WS-1965 Pool Bundle components, showing the integrated sensor array, the indoor display console, and the WH31PF floating pool thermometer, along with a smartphone displaying the Ambient Weather Network app.

SETUP

1. Integrated Sensor Array Installation

The integrated sensor array measures various outdoor weather parameters. Choose an open location away from obstructions that could affect wind, rain, or temperature readings. Ensure it is securely mounted using the provided hardware.



Image: The integrated sensor array mounted on a pole outdoors, showing its wind cups, wind vane, rain collector, and thermo-hygrometer radiation shield.

2. WH31PF Pool Float Thermometer Placement

The WH31PF sensor is designed to float in your pool or spa. Ensure it is placed in an area where it can freely float and is not obstructed. The sensor is sealed and waterproof.

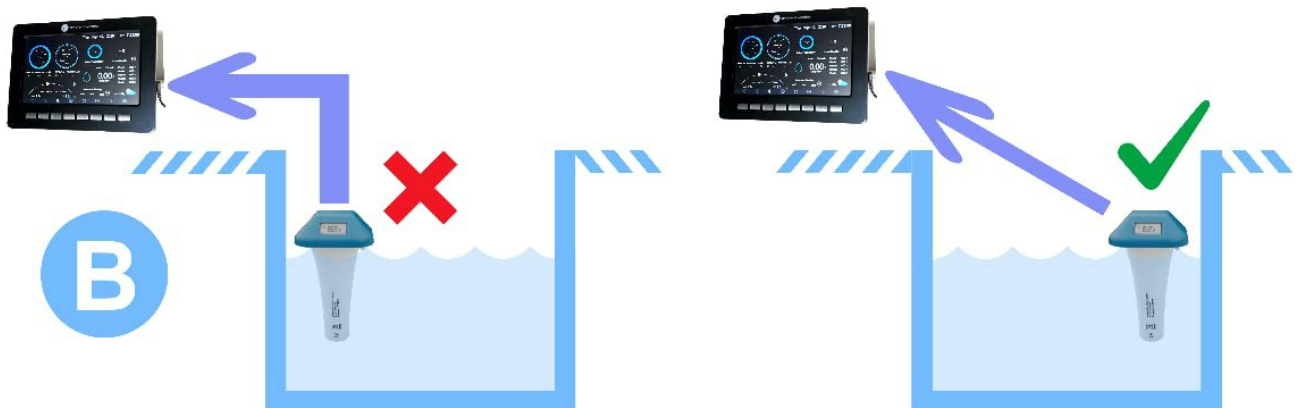
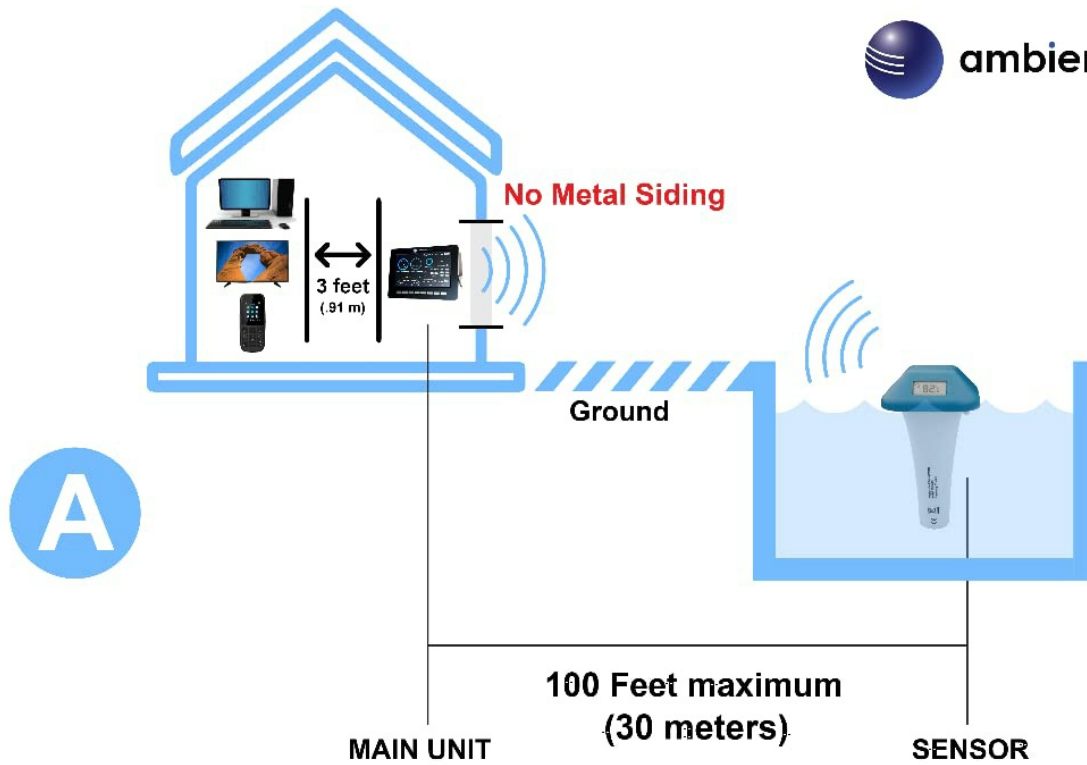


Image: A diagram illustrating the recommended placement of the main weather station unit indoors and the WH31PF pool sensor in the water, emphasizing a maximum distance of 100 feet (30 meters) and showing correct and incorrect signal paths.

Important: Maintain a maximum distance of 100 feet (30 meters) between the main display unit and the pool sensor for optimal wireless communication. Avoid placing the main unit near metal siding or large metal objects that can interfere with the signal.

3. WS-1965 Console Power and Initial Setup

Connect the power adapter to the WS-1965 console and plug it into a standard electrical outlet. The console will power on and begin searching for the outdoor sensor array and pool thermometer. Allow a few minutes for all sensors to connect and display data.

4. Wi-Fi Connectivity and Ambient Weather Network (AWN)

The WS-1965 console is Wi-Fi enabled, allowing you to upload data to the Ambient Weather Network (AWN). Follow the on-screen instructions on the console to connect it to your home Wi-Fi network. Once connected, you can access your weather data remotely via the AWN app or website.



- Indoor & Outdoor Temperature
- Indoor & Outdoor Humidity
- Rainfall
- Relative Pressure
- Forecast
- Wind Speed & Direction
- Time and Date

Image: The WS-1965 color display console showing indoor and outdoor temperature, humidity, wind speed, rainfall, and a weather forecast icon.

For detailed instructions on connecting to AWN and using the app, refer to the Ambient Weather Network support pages or the app's built-in help section. The AWN allows you to view live data, set alerts, and access historical data.

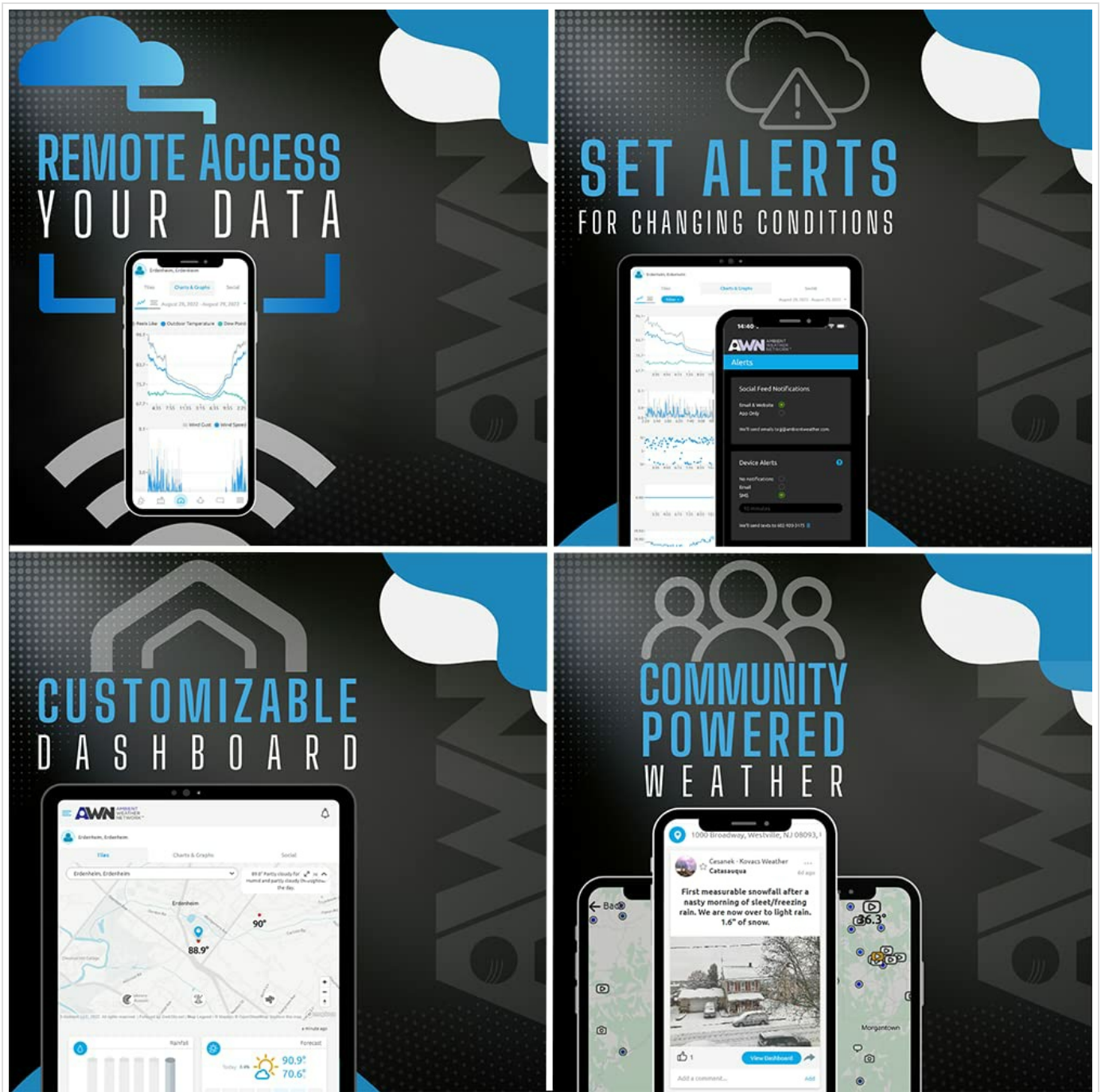


Image: A collage of screenshots demonstrating features of the Ambient Weather Network app, including remote data access, alert settings, a customizable dashboard, and community-powered weather data.

OPERATING INSTRUCTIONS

1. Understanding the WS-1965 Display

The color display console provides real-time readings for various parameters. Familiarize yourself with the layout:

- **Time and Date:** Located at the top.
- **Forecast:** Weather icons indicating predicted conditions.
- **Wind Data:** Speed, direction, and gust information.
- **Rainfall:** Daily, weekly, monthly, and total rainfall.
- **Outdoor Temperature & Humidity:** Readings from the integrated sensor array.
- **Indoor Temperature & Humidity:** Readings from the console's internal sensors.
- **Pool Temperature:** Readings from the WH31PF sensor.



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Image: The WS-1965 color display console showing indoor and outdoor temperature, humidity, wind speed, rainfall, and a weather forecast icon, along with a list of measured parameters.

2. Remote Monitoring with Ambient Weather Network (AWN)

Once your WS-1965 is connected to Wi-Fi and linked to your AWN account, you can monitor your data from anywhere using the AWN app or website. The app provides a customizable dashboard, historical data, and advanced charting features.



Includes 1 FREE month of AWN+

- Personal Dashboard
- Radar, Temperature, Wind, Lightning, **Air Quality, Snow Depth, Fires, Cyclones, & Water Map** Layers
- **Configurable SMS Alerts (10 Per Day)**, in addition to Push & E-mail Alerts
- **10-Day** Hourly Forecast View
- **3-Year** Data History Access

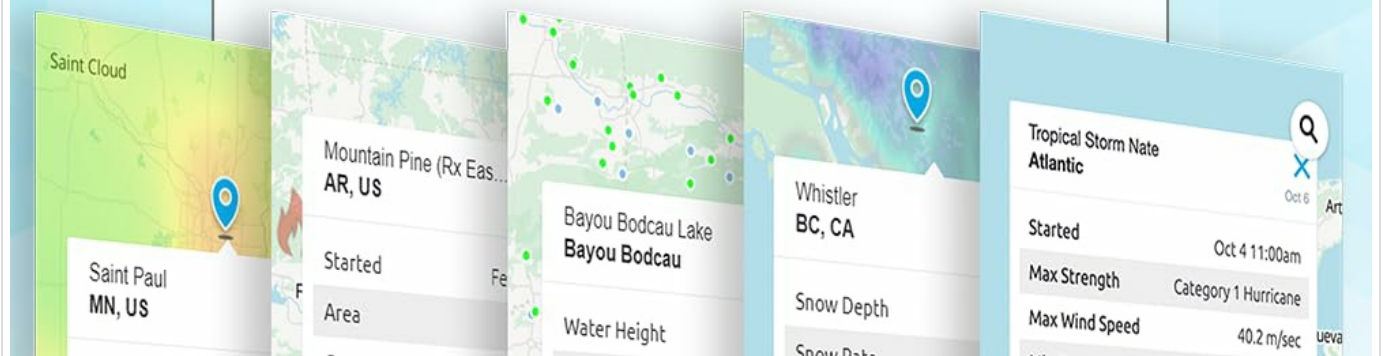


Image: Screenshots of the Ambient Weather Network app demonstrating remote data access, setting alerts for changing conditions, a customizable dashboard, and community weather features.

3. Setting Alerts

The AWN app allows you to set custom alerts for various weather conditions, such as high/low temperatures, wind speed, or rainfall thresholds. You can receive these alerts via push notifications or email. Refer to the AWN app settings for detailed alert configuration.

MAINTENANCE

- **Sensor Array Cleaning:** Periodically inspect the rain collector funnel for debris (leaves, insects) and clean as necessary. Ensure the wind cups and wind vane spin freely.
- **WH31PF Battery Replacement:** The WH31PF pool thermometer is sealed with batteries for no maintenance or corrosion. If the unit stops transmitting, it may need replacement.
- **Console Power:** Ensure the WS-1965 console remains connected to power for continuous operation and data upload.

- **General Care:** Keep the console in a dry, indoor environment. Avoid exposing it to extreme temperatures or direct sunlight.

TROUBLESHOOTING

Problem	Possible Solution
No outdoor sensor data on console.	◦ Ensure the integrated sensor array is powered on (if applicable, check batteries). ◦ Verify the sensor array is within range of the console (max 300 feet line of sight). ◦ Check for obstructions between the sensor and console. ◦ Perform a sensor reset (refer to console manual for specific steps).
No pool thermometer data.	◦ Ensure the WH31PF is floating correctly and not submerged. ◦ Verify the pool sensor is within 100 feet (30 meters) of the main unit. ◦ Check for signal interference (e.g., metal siding). ◦ The WH31PF is sealed; if it stops working, it may need replacement.
Console not connecting to Wi-Fi.	◦ Ensure your Wi-Fi network is 2.4 GHz. ◦ Verify correct Wi-Fi password entry. ◦ Move the console closer to your Wi-Fi router. ◦ Restart your router and the weather station console.
Incorrect temperature/humidity readings.	◦ Ensure sensors are not in direct sunlight or near heat sources. ◦ Clean the radiation shield on the integrated sensor array. ◦ Allow time for sensors to acclimate to new conditions.

SPECIFICATIONS

Feature	Detail
Model	WS-1965 (Weather Station), WH31PF (Pool Thermometer)
Connectivity Technology	Wi-Fi (2.4 GHz)
Power Source (Console)	AC Adapter
Power Source (Sensors)	Battery Powered (WH31PF sealed)
Display Type	LCD Color Display
Temperature Accuracy	0.5 °C
Upper Temperature Rating	140 Degrees Fahrenheit

Feature	Detail
Wireless Range (Console to Sensor Array)	Up to 300 feet (line of sight)
Wireless Range (Console to Pool Thermometer)	Up to 100 feet (30 meters)
Measured Parameters	Wind speed/direction, temperature (indoor/outdoor/pool), humidity (indoor/outdoor), dew point, rainfall, heat index, forecast.

SUPPORT

For technical assistance, warranty inquiries, or any questions regarding your Ambient Weather WS-1965 Pool Bundle, please contact our US-based support team. They are available 5 days a week to assist you.

Contact Information:

- Visit the Ambient Weather website for support resources and contact details: www.ambientweather.com/support
- For AWN app support, visit: www.ambientweather.net



Image: A graphic indicating "US-BASED CUSTOMER SUPPORT" with an American flag emblem, emphasizing local support for Ambient Weather products.

WARRANTY INFORMATION

Ambient Weather products typically come with a limited warranty. Please refer to the official Ambient Weather website or the warranty card included with your product for specific terms, conditions, and registration details. Keep your purchase receipt as proof of purchase for warranty claims.

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

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