



Wind Station Manual



July 2024

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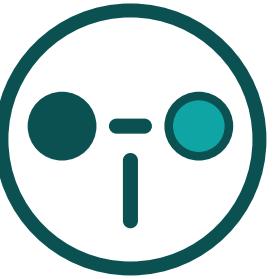
Wind Station Overview

The Ultrasonic Package



This station from Ecowitt is our go-to station for kite spots. It ticks every item on the box:

- Affordable
- Powered by solar
- Wireless connection
- Highly accurate
- High frequency updates (10sec)
- Near 0 maintenance (no moving parts)



Whats in the Wind Station Box

- 1 WS 90 (Anemometer)
- 2 Gateway
- 3 USB Gateway Power Plug
- 4 USB Gateway Power cable
- 5 Ethernet cable (not needed)
- 6 Bird Spikes (not needed)





How does it work?

KWind Wind Station



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Solar Powered Anemometer

Wireless up to 100 meters no cable needed. Will be mounted to a pole.

Gateway

Plugs into a power socket and requires WiFi. Will be configured through the app.

Your WiFi



You need a stable internet connection

Step-by-Step Guide to Install the Wind Station

Step 1: Power on the Anemometer

Step 2: Power on the Gateway

Step 3: Configure the Gateway

Step 4: Place the Station in an Optimal Location

Step 5: Complete the Checklist



Step 1: Power on the Ultrasonic Anemometer

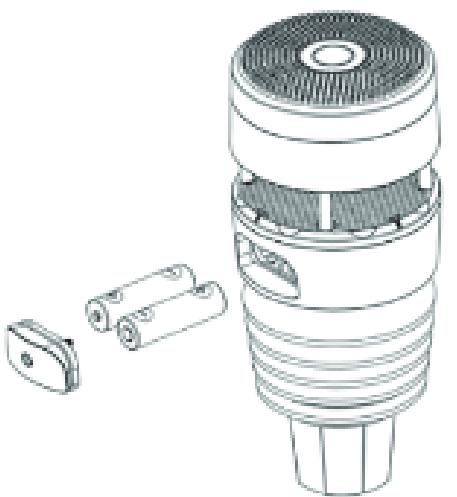
Step 1: Open the battery compartment by unscrewing it.

Step 2: Insert 2 AA Lithium Batteries (Do not use Alkaline Batteries). *

Step 3: Close and screw the battery compartment back on.

Step 4: The station will turn on automatically and should now blink with a blue light every 9 seconds.

AA LR6 Battery Compartment

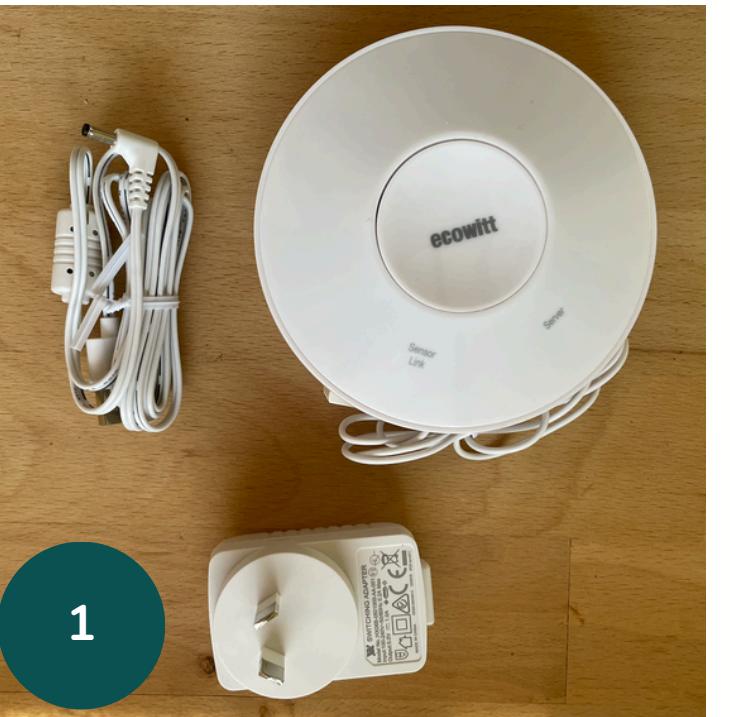


*Batteries are only for startup and backup as the anemometer is solar powered



Step 2: Power on the Gateway

Step 1: Take the power plug of the gateway from the small box.



Step 3: Plug in the provided USB cable into the plug and the gateway.



Step 3: Hold the big button in the middle for 5 seconds.

Step 4: A red light should now flash frequently



- The red light indicates the gateways WiFi status. (BLINKING: connecting mode (GW2000... WiFi is available), ON: connected to your WiFi, OFF: not connected to WiFi)
- The blue light indicates whether the gateway is connected to an anemometer. (ON: connected, OFF: disconnected)



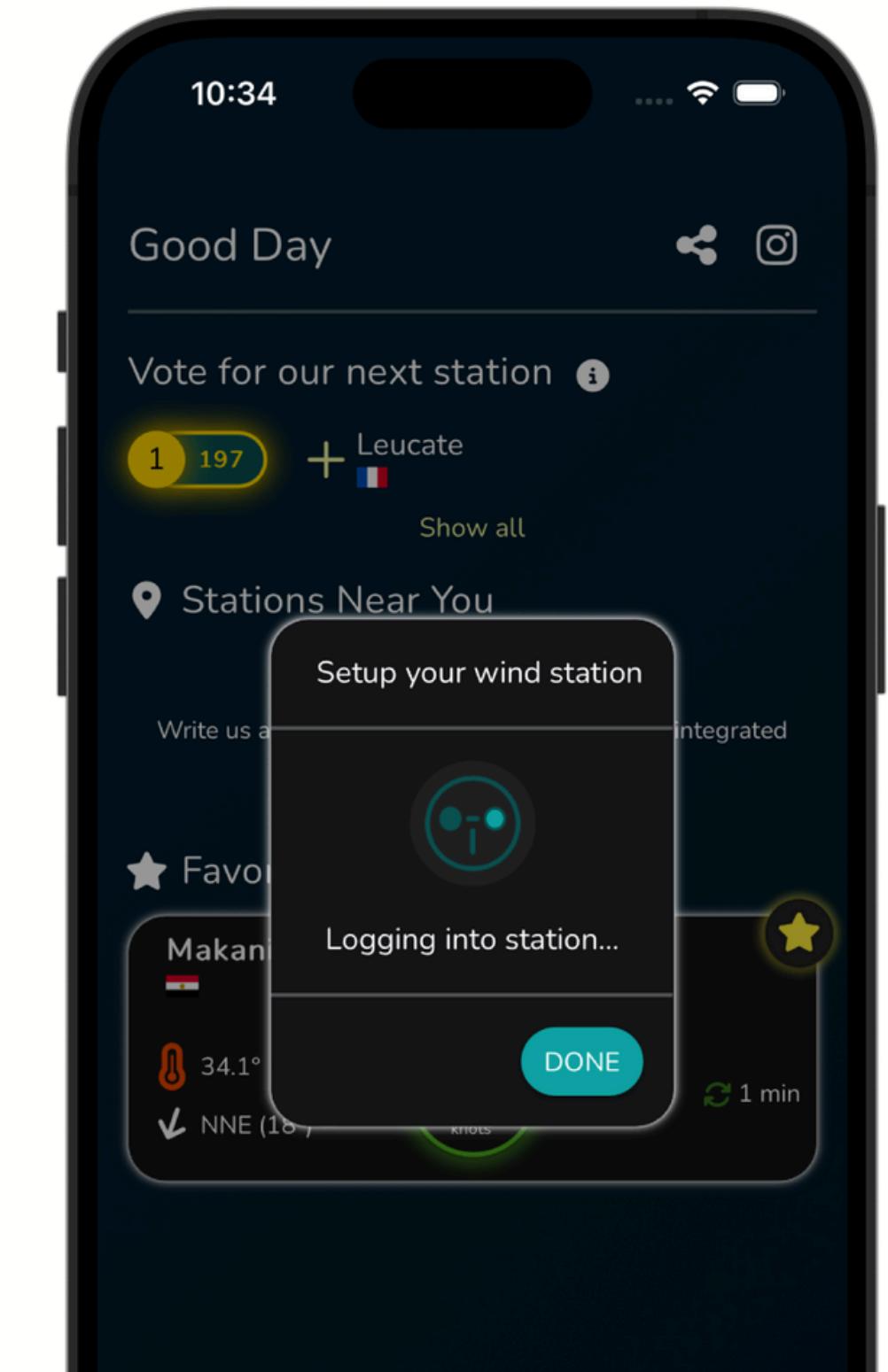
Step 3: Configure the Gateway

Step 1: Download and install the latest version of the KWind App.

Step 2: Connect your phone to the WiFi network starting with “GW2000”.

Step 3: Open the KWind App and follow the on-screen instructions to complete the setup.

[Download the App](#)





Setup Step 4: Mount the Anemometer

- Get a pole which can stand free of any objects
- The pole should have a diameter of **2,54cm (1inch)**
- Screw the bottom of the station on the pole





Images of Mounted Anemometers

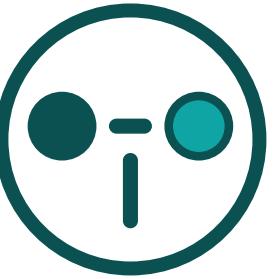




Step 5: Checklist

- Latest version of the KWind App installed.
- Anemometer location is free from obstructing objects (trees, houses, etc.) in the wind direction.
- Anemometer is within 100 meters of the gateway.
- Anemometer is securely mounted.
- Gateway is properly configured.
- Anemometer flashes blue light.
- Red and blue light of the gateway are on.

Everything checked? Write to us at stations@kwind.app that your station is ready.



Interested in KWind?

Join our network!

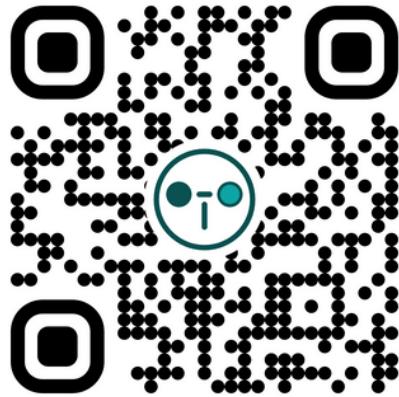
Contact us with any questions or ideas. We are happy to explore any request.

 hello@kwind.app

Visit our website for more infoation

 get.kwind.app

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