



# Wind Station Manual



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# Content

1. Wind Station Overview
2. What is in the Station box?
3. How does it work?
4. Step-by-Step Guide to Set Up the Station



# 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 (nor 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



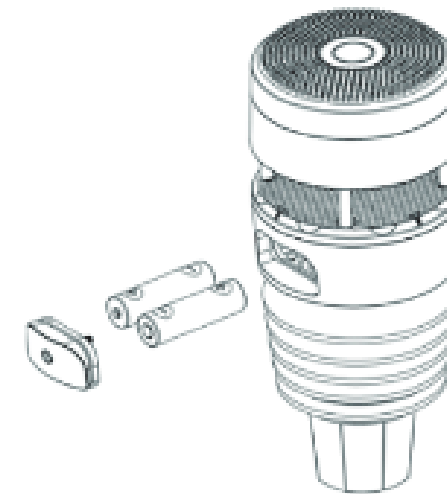
**Step 1:** Open the battery compartment by unscrewing it.

**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

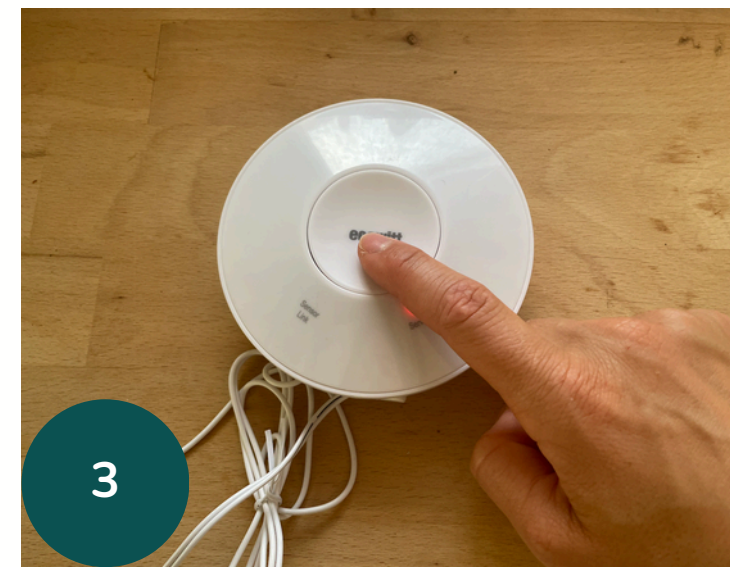
**Step 1:** Take the power plug of the gateway from the small box.

**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)





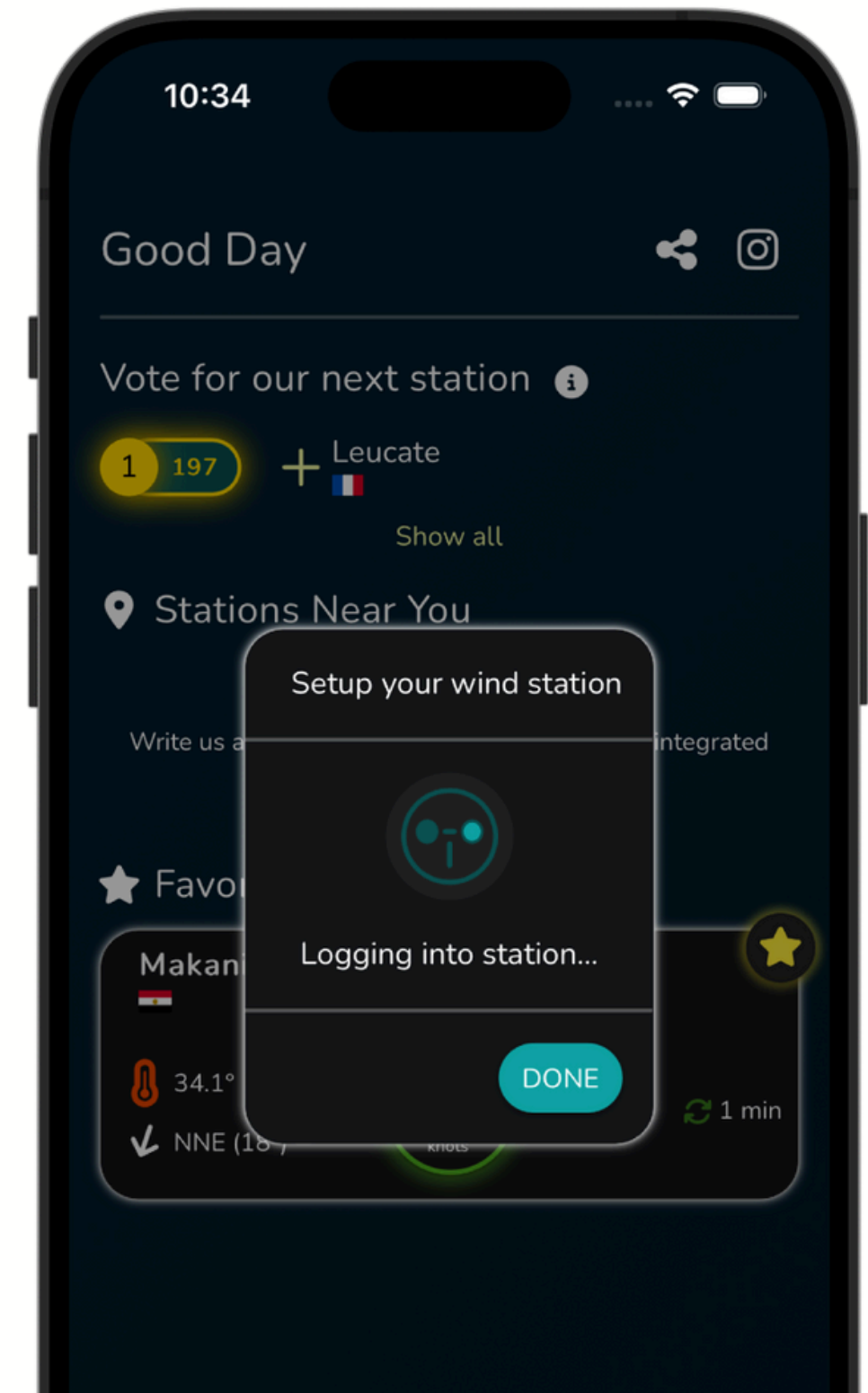
# Step 3: Configure the Gateway

**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](mailto:hello@kwind.app)

Visit our website for more infoation

 [get.kwind.app](https://get.kwind.app)

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