

# GoGEN

EN



ME9900

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## INTRODUCTION

Thank you for buying our product. Please read through these operating instructions, so you will know how to operate your equipment properly. After you finished reading the instructions manual, put it away in a safe place for future reference.

## PACKAGE CONTENTS

Weather station  
Weather station stand  
Adapter  
Charging cable

Outdoor sensor  
Bird protection kit  
Quick Start guide

## SAFETY

### Power adapter

- Only use the power adaptor delivered with the device.
- The socket outlet should be installed near the device and should be easily accessible.
- Never touch the power plug with wet hands and never pull on the power cable when pulling the plug out of the power socket.
- Make sure the electrical voltage specified on the device and its power plug is corresponding to the voltage of the power socket. Incorrect voltage will destroy the device.

### Battery handling and usage

- Only adults should handle battery. Do not allow a child to use this apparatus unless the battery cover is securely attached.
- Remove batteries if exhausted or if they will not be used again for a long period. The incorrect use of batteries can cause electrolyte leakage and will corrode the compartment or cause the batteries to burst, therefore:
  - Do not mix battery types, e.g. alkaline with zinc carbonate.
  - When inserting new batteries, replace all batteries at the same time.
- Batteries contain chemical substances, so they should be disposed of properly.



**WARNING:** DO NOT USE THIS PRODUCT NEAR WATER, IN WET AREAS TO AVOID FIRE OR INJURY OF ELECTRIC CURRENT. ALWAYS TURN OFF THE PRODUCT WHEN YOU DON'T USE IT OR BEFORE A REVISION. THERE AREN'T ANY PARTS IN THIS APPLIANCE WHICH ARE REPARABLE BY CONSUMER. ALWAYS APPEAL TO A QUALIFIED AUTHORIZED SERVICE. THE PRODUCT IS UNDER A DANGEROUS TENSION.



TO AVOID DANGER OF SUFFOCATION, KEEP THE PLASTIC BAG AWAY FROM BABIES AND CHILDREN. DO NOT USE THIS BAG IN CRIBS, BEDS, CARRIAGES OR PLAYPENS. THIS BAG IS NOT A TOY.

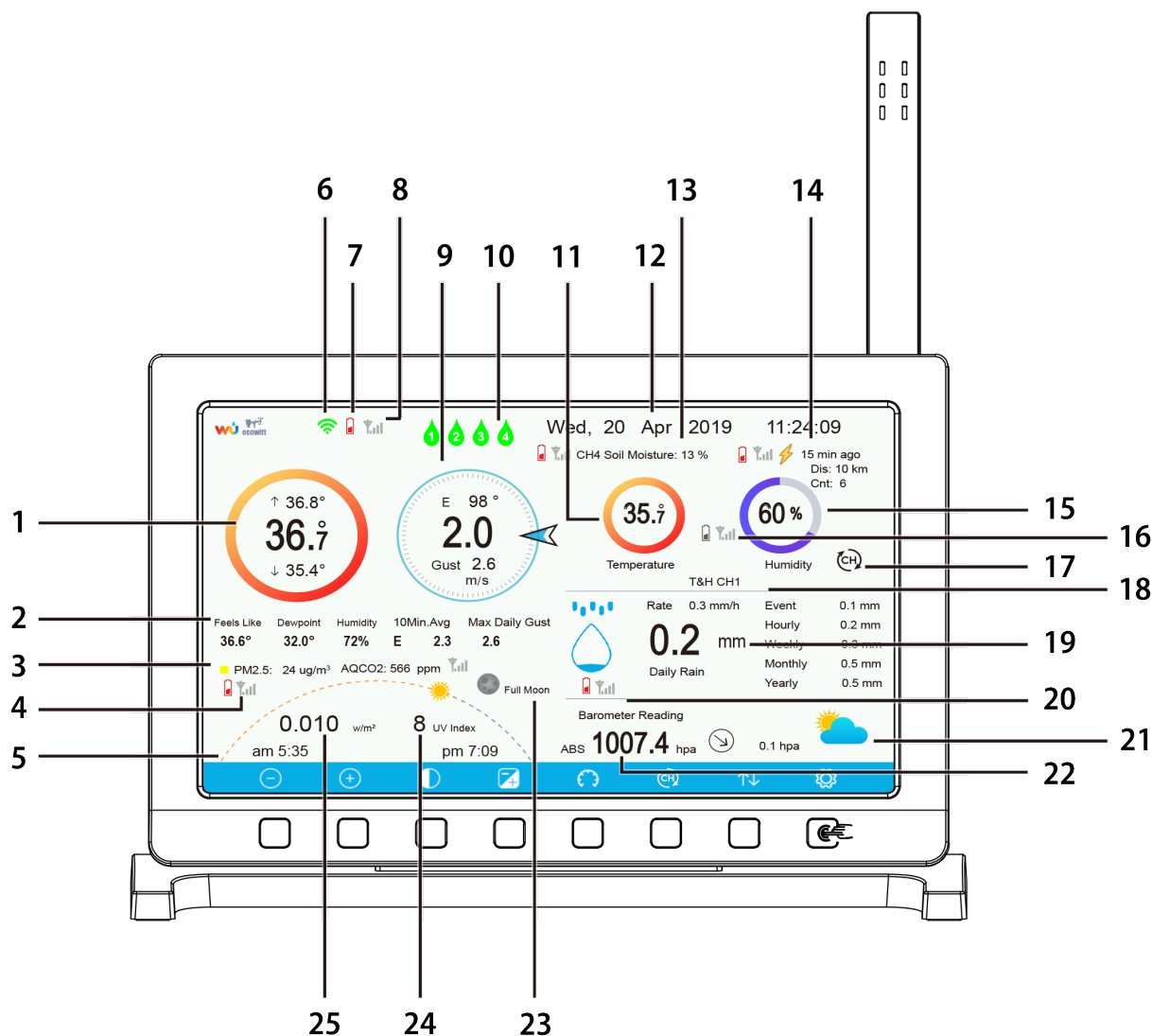
### Disposal of old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

Hereby, ETA a.s. declares that the radio equipment type ME9900 is in compliance with Directive 2014/53/EU.

The full text of the EU declaration of conformity is available at the following internet address: [www.GoGEN.cz/declaration\\_of\\_conformity](http://www.GoGEN.cz/declaration_of_conformity)



1. Outdoor temperature
2. Outdoor Feels Like/Dew point/Humidity/10Min. Average Wind Direction/Max Daily Gust
3. PM2.5 concentration (optional sensor)
4. RF signal bar for PM2.5 sensor (optional sensor)
5. Sunrise / Sunset Time
6. Wi-Fi signal bar
7. Low battery power indicator for each sensor
8. RF signal bar for outdoor sensor array
9. Wind direction/Wind speed/Gust
10. Water Leak Alarm (optional Sensor)
11. Indoor temperature
12. Date and time
13. Soil moisture (optional sensor)
14. Last lightning strikes detected time / distance; daily counts (optional sensor)

15. Indoor humidity
16. RF signal bar for multi-channel temperature and humidity sensor (optional sensor)
17. Multi-channel temperature and humidity sensor cycle display mode icon (optional sensor)
18. Multi-channel temperature and humidity sensor channel number (optional sensor)
19. Rain fall Daily/Event/Hourly/Weekly/ Monthly/Yearly
20. RF signal bar for Rain fall sensor (optional sensor)
21. Weather forecast
22. ABS/REL Barometer
23. Moon Phase
24. UV
25. Solar Radiation

NOTE: The USB port on the back of the weather station is only for firmware update, not for data communication. You can also use a Micro SD card for the firmware update. The weather station can store history records data on a Micro SD card.

## BUTTON FUNCTIONS

The functions of the buttons in individual menus change according to the icons in the bottom bar.

NOTE: The weather station does not have a touchscreen display.

## ICONS IN THE BOTTOM BAR

⊖ Press to decrease the brightness of display

⊕ Press to increase the brightness of display

☾ Press to turn on/off the backlight of display

☐ Press to switch between light and dark display mode

⌚ Press to choose between absolute and relative air pressure

⌚ Press to enable switching between external sensors data

⬆️⬆️ Press to show Max/Min records, press twice to enter history mode

⚙️ Press to enter setting mode

## EXPLANATION OF MAIN ICONS

### TEMPERATURE ICONS

|              |                                                                                    |            |                                                                                    |
|--------------|------------------------------------------------------------------------------------|------------|------------------------------------------------------------------------------------|
| < -23 °C     |   | 10 ~ 16 °C |   |
| -23 ~ -18 °C |   | 16 ~ 21 °C |   |
| -18 ~ -12 °C |   | 21 ~ 27 °C |   |
| -12 ~ -7 °C  |   | 27 ~ 32 °C |   |
| -7 ~ -1 °C   |   | 32 ~ 38 °C |   |
| -1 ~ 4 °C    |   | 38 ~ 43 °C |   |
| 4 ~ 10 °C    |  | > 43 °C    |  |

### HOURLY RAINFALL ICONS

|            |                                                                                     |            |                                                                                     |
|------------|-------------------------------------------------------------------------------------|------------|-------------------------------------------------------------------------------------|
| 0 mm       |  | 15 ~ 20 mm |  |
| 0 ~ 5 mm   |  | 20 ~ 25 mm |  |
| 5 ~ 10 mm  |  | 25 ~ 30 mm |  |
| 10 ~ 15 mm |  | 30 ~ 35 mm |  |

### HUMIDITY ICONS

|          |                                                                                    |          |                                                                                     |
|----------|------------------------------------------------------------------------------------|----------|-------------------------------------------------------------------------------------|
| 0%       |  | 50 ~ 60% |  |
| 1 ~ 10%  |  | 60 ~ 70% |  |
| 10 ~ 20% |  | 70 ~ 80% |  |
| 20 ~ 30% |  | 80 ~ 90% |  |
| 30 ~ 40% |  | 90 ~ 99% |  |
| 40 ~ 50% |  | 100%     |  |

### WIND ICONS

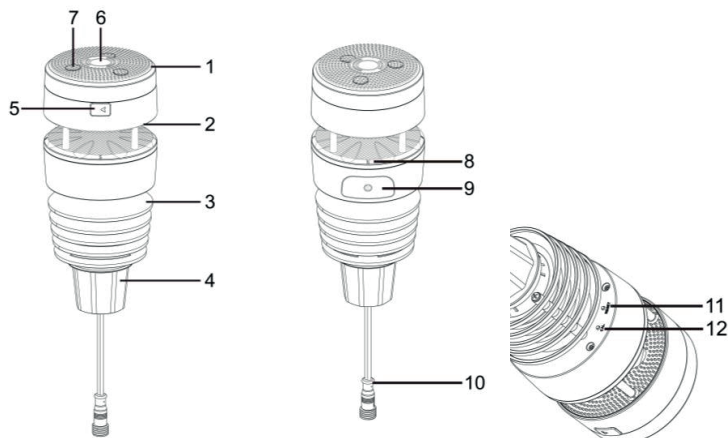
Current wind direction



10-minute average wind direction



## OUTDOOR SENSOR



1. Solar Panel
2. Ultrasonic wind sensor
3. Temperature & humidity sensor
4. Fixed Bolt (Mounting on a pole with 1 inch diameter)
5. USB port (Factory use only)
6. Light & UV sensor, LED indicator
7. Hapitac Rainfall sensor

8. NORTH alignment indicator
9. Battery compartment
10. Heating power cable connector (Adapter not included)
11. Reset button
12. Calibration button (service use only)

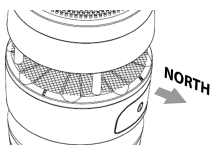
### MOUNTING THE OUTDOOR SENSOR

Before mounting the outdoor sensor at the selected location, connect the sensor to the main unit.

#### Sensor placement

*NOTE: Transmissions between the main unit and the sensor can reach up to 150 m in an open area. An open area means there are no interfering obstacles such as buildings, walls, trees, high voltage lines, etc.*

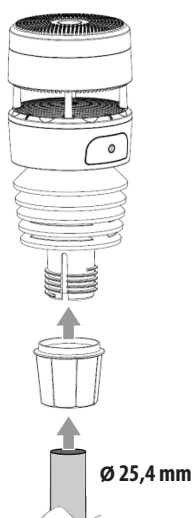
- When selecting a suitable sensor mounting location, check that the main unit is within range of the sensor before installation. The range of the sensor can be significantly reduced in areas with a large number of obstacles.
- To ensure correct measurement, the sensor must be placed above the ground surface (at least 2 m) outside of buildings and structures. Check that there will be no accumulation of snow or water run-off from surrounding objects at the selected location. Wind must flow freely around the sensor from all sides.
- To ensure that the wind direction is measured correctly, it is essential to install the sensor in a north direction. See **N** (North) mark on the side of the sensor. Otherwise, wind direction will always be displayed incorrectly.



- To achieve proper alignment, it is helpful to use a compass (many mobile phones have a compass application).
- Make sure the sensor is completely level.
- The sensor must be securely fastened to prevent its damage.

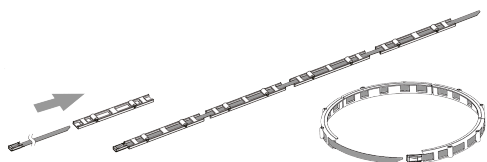
#### Sensor installation

- Loosen the plastic nut on the sensor.
- Slide the sensor onto the 25,4 mm diameter rod.
- Tighten the plastic nut gently.

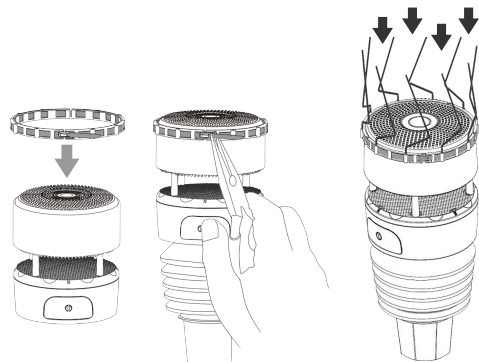


## INSTALLATION OF THE BIRD PROTECTION KIT

- Thread the plastic holders onto the metal strip.
- Bend the metal strip into a circle with the same diameter as the sensor.



- Slide the metal strap with plastic holders onto the outdoor sensor. Tighten gently if necessary.
- Insert the metal wires into the plastic holders.



## GETTING STARTED

### POWER AND BATTERIES

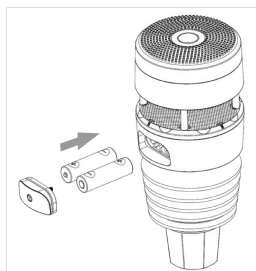
#### Main Unit

- Attach the weather station stand.
- Connect the power adaptor to the DC IN socket on the main unit, then plug it into the power socket.

*NOTE: Make sure your local voltage is the same as marked on the adaptor.*

#### Outdoor sensor

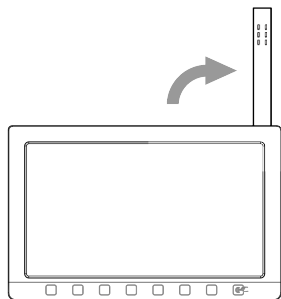
- Insert 2 × AA batteries [not included] observing polarity ["+" and "-" marks].



*NOTE: The outdoor temperature may drop below 0 °C for a long period of time, so we recommend using lithium batteries instead of alkaline batteries for outdoor sensors.*

### INDOOR SENSOR SETUP

On the back of main unit there is an indoor sensor, it is necessary to extend the sensor for the most accurate measurement.



### CONNECTING THE OUTDOOR SENSOR

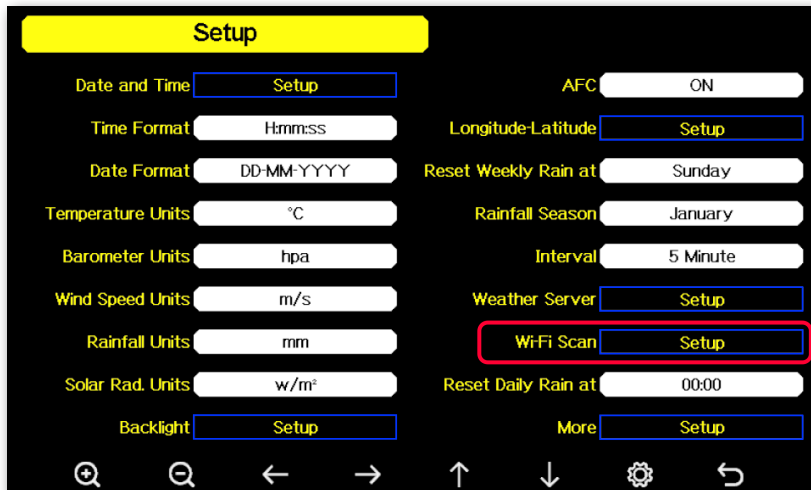
Place the main unit and sensor next to each other. The main unit will automatically detect the signals from the sensor, usually within 3 minutes. After a successful connection, the  icon lights up on the display.

*NOTE: If the main unit does not detect a signal, press and hold the RESET button with a bent paper clip on the outdoor sensor.*

## CONNECTING THE WEATHER STATION TO YOUR WIFI NETWORK

**IMPORTANT:** The weather station can only be connected to WiFi if it is powered by an adapter.

- Press  to enter [Setup].
- Use  /  to select [Wi-Fi Scan], press  to set up WiFi connection.



**Setup**

Date and Time  AFC

Time Format  Longitude-Latitude

Date Format  Reset Weekly Rain at

Temperature Units  Rainfall Season

Barometer Units  Interval

Wind Speed Units  Weather Server

Rainfall Units  **Wi-Fi Scan**

Solar Rad. Units  Reset Daily Rain at

Backlight  More

- Displays a list of all available WiFi networks on the display. Use  /  to choose the desired WiFi network, press  to confirm.
- Use  /  /  /  to enter the password, select [OK] to confirm the password.

*NOTE: The weather station supports only 2,4 GHz band Wi-Fi networks.*



**Select Wi-Fi Network**

Wi-Fi  Hidden SSID

| Network Name  | Status        | Signal                                                                              |
|---------------|---------------|-------------------------------------------------------------------------------------|
| OLT_E684      | Connected     |    |
| TP-LINK_D1BE  | Not Connected |    |
| MI-OST        | Not Connected |   |
| HP10-WIFI1184 | Not Connected |  |
| TP-LINK_DE    | Not Connected |  |
| GW2000B-W     | Not Connected |  |
| GW1100B-W     | Not Connected |  |
| cisco-8CBB    | Not Connected |  |
| HP10-WIFI94   | Not Connected |  |
| Linksys       | Not Connected |  |

**Password**

|   |   |   |   |   |   |   |   |   |     |           |
|---|---|---|---|---|---|---|---|---|-----|-----------|
| 0 | 1 | 2 | a | b | c | d | e | f | _   | Backspace |
| 3 | 4 | 5 | g | h | i | j | k | l |     | Caps Lock |
| 6 | 7 | 8 | m | n | o | p | q | r | .   | Cancel    |
| 9 | s | t | u | v | w | x | y | z | #+= | Ok        |

- The  icon will show on the display after successful connecting to your WiFi network.

## WEATHER STATION SETTINGS

### MAIN SETTINGS

- Press  to enter [Setup].



#### Button functions

-  /  Select / Change settings
-  /  Move left / right
-  /  Move up / down
-  Additional settings menu
-  Enter / Confirm
-  Back

[Date and Time] Date and time settings

- [Time] Manual time setting
- [Date] Manual date setting
- [Auto Timezone] Automatic time zone synchronization with the Internet time server

*NOTE: If [Auto Timezone] is not checked, you must manually set the time zone.*

[Time Format] Time format setting

[Date Format] Date format setting

[Temperature Units] Temperature unit setting

[Barometer Units] Barometric pressure unit setting

[Wind Speed Units] Wind speed unit setting

[Rainfall Units] Rainfall unit setting

[Solar Rad. Units] Solar radiation unit setting

[Backlight] Display backlight settings

- [Automatic control backlight] Automatic switching on and off of the display backlight according to the set time
- [Turn on the backlight] Backlight turn-on time setting
- [Turn off the backlight] Backlight turn-off time setting
- [Automatic brightness adjustment] Automatic adjustment of display brightness according to light intensity measured by an outdoor sensor
- [Maximum brightness] Maximum brightness setting
- [Minimum brightness] Minimum brightness setting

[AFC] The AFC (Automatic Frequency Control) function allows the main unit to minimize the frequency error between the outdoor sensor and the main unit. This helps the main unit to maintain its highest sensitivity performance and receive the outdoor sensor signal more stably

[Longitude-Latitude] Longitude / Latitude setting

[Reset Weekly Rain at] Weekly Rain reset setting

[Rainfall season] Rainfall seasonreset setting

[Interval] Frequency of saving measured values setting

[Weather Server] Weather Server setting

[Wi-Fi Scan] WiFi connection setting

[Reset Daily Rain at] Weekly Rain reset setting

[More] Additional settings (optional sensor calibration and sensor ID/Name settings)

## ALARM SETTING

Setting the alarm for measured values. When the set values are exceeded, the corresponding alarm is activated. The alarm will sound for 120 seconds, and the corresponding icon will flash on the display until the weather condition doesn't meet the user-set level. Press any key to mute the alarm.

NOTE: If [Sound] is set to OFF all alarm sounds will be muted, and only the alarm icon will flash on the display.

- Press  once to enter [Setup], then press  to enter [Alarm].

Alarm

Sound OFF

|                     |            |           |
|---------------------|------------|-----------|
| Indoor Temperature  | 20.0 °C    | 0.0 °C    |
| Indoor Humidity     | 65 %       | 35 %      |
| Outdoor Temperature | 30.0 °C    | -10.0 °C  |
| Outdoor Humidity    | 75 %       | 45 %      |
| Feels Like          | 20.0 °C    | 0.0 °C    |
| Dew Point           | 10.0 °C    | -10.0 °C  |
| ABS Barometer       | 1040.0 hpa | 960.0 hpa |
| REL Barometer       | 1040.0 hpa | 960.0 hpa |
| Alarm Time          | 00:00      |           |
| Wind                | 0.5 m/s    |           |
| Gust                | 1.0 m/s    |           |
| Hourly Rain         | 0.0 mm     |           |
| Daily Rain          | 0.0 mm     |           |










### Button functions

-  /  Select / Change settings
-  /  Move left / right
-  /  Move up / down
-  Additional settings menu
-  Back

- The first setting in the rows is the high alarm value and the second setting is the low alarm value.
- After setting the alarm value, the alarm needs to be activated:
  - Use  /  to select the appropriate alarm icon .
  - Press  or  activate the alarm. The alarm icon will change to  (high alarm value) /  (low alarm value).

NOTE: Use the same steps to deactivate the alarm.

## CALIBRATION MODE

NOTE: The purpose of calibration is to fine-tune or correct for any sensor error associated with the device's margin of error. Errors can occur due to electronic variation (example, the temperature sensor is a resistive thermal device or RTD, the humidity sensor is a capacitance device), mechanical variation, or degradation (wearing of moving parts, contamination of sensors).

Calibration is ONLY useful if you have a known calibrated source to compare it to. Do not compare measured values with values obtained from sources such as the internet, radio, television or newspapers. The purpose of your weather station is to measure conditions of your surroundings, which vary significantly from place to place.

- Press  once to enter [Setup], then press  two times to enter [Calibration].

Calibration

|                     |            |              |           |
|---------------------|------------|--------------|-----------|
| Indoor Temperature  | 26.3 °C    | 1w/m² =      | 126.7 Lux |
| Indoor Humidity     | 60 %       | UV Gain      | 1.00      |
| Outdoor Temperature | 26.8 °C    | Wind Gain    | 1.00      |
| Outdoor Humidity    | 57 %       | Rain Gai     | Setup     |
| ABS Barometer       | 1006.3 hpa | Daily Rain   | 0.0 mm    |
| Altitude for REL    | 560 m      | Weekly Rain  | 0.0 mm    |
| Wind Direction      | 288 °      | Monthly Rain | 0.0 mm    |
| Solar Rad. Gain     | 1.00       | Yearly Rain  | 0.0 mm    |







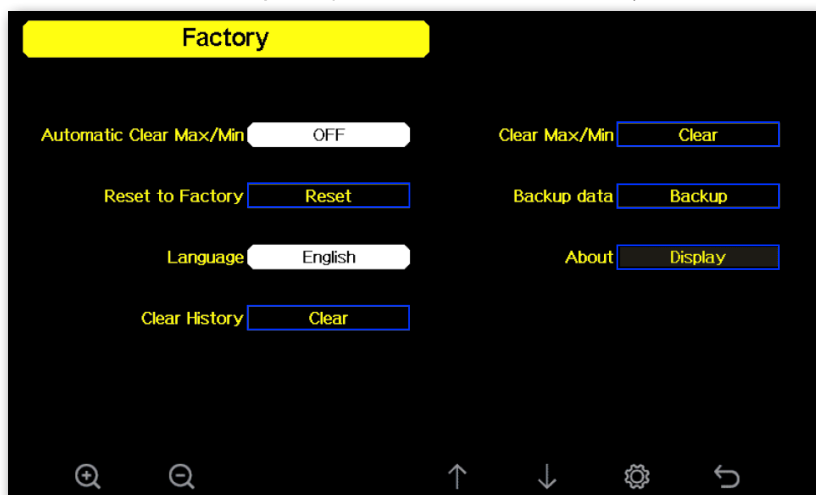



### Button functions

-  /  Select / Change settings
-  /  Move left / right
-  /  Move up / down
-  Additional settings menu
-  Back

## OTHER SETTINGS

- Press  once to enter [Setup], then press  three times to enter [Factory].



### Button functions

-  /  Select / Change settings
-  /  Move up / down
-  Additional settings menu
-  Back

[Automatic Clear Max/Min] Automatic clearing of Max/Min values every day at 0:00

[Reset to Factory] Factory reset

[Language] Language setting

NOTE: The default language is English. Available languages: Deutsch, Français, Italiano, Español, Nederlands, Português and Pycckuu.

[Clear History] Clearing history records

[Clear Max/Min] Clearing Max/Min values

[Backup data] Copy history records to SD card

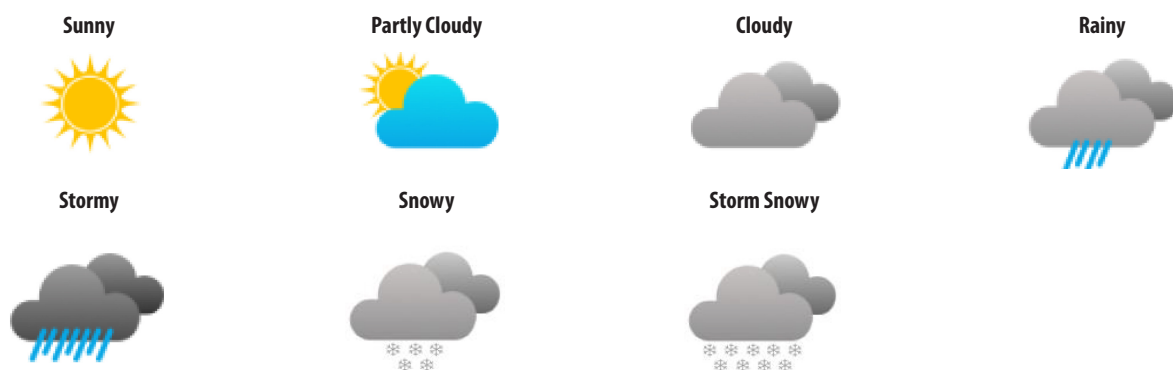
NOTE: The supported maximum capacity of the card is 32 GB (Format: FAT32). A 1GB card can store more than 10 years' worth of data.

[About] Device information

## WEATHER FORECAST

The built-in barometer can detect atmospheric pressure changes and make a weather forecast based on the collected data.

There are 7 weather icons:



NOTE: Please note that the weather station needs at least one month to learn to correctly determine the weather forecast. The accuracy of a general pressure-based forecast is about 65-70%. Forecasts are not guaranteed. It may not necessarily reflect the current situation.

### Lightning alert

The  icon will appear if the Dew Point exceeds 21°C. This means there is a chance of lightning storms forming.

## WEATHER INDEX

**Feels Like** : also known as apparent temperature, refers to how the human body perceives the temperature of the air, taking into account factors like air temperature, humidity, and wind speed.

**Dew Point** : is the temperature at which air becomes saturated with moisture and water vapor begins to condense into dew, fog, or clouds. It's an indicator of how „wet“ or „dry“ the air feels, as it reflects the actual water vapor content of the air. A higher dew point indicates more moisture in the air, and thus, a more humid feel.

## MAX/MIN VALUES

- Press  once to view Max/Min values.

### Clearing Max/Min values

- Use  /  to select Max/Min values you want to clear.
- Use  /  to check  the selected Max/Min values.
- Press  to clear the checked Max/Min values.

## VIEW HISTORY RECORDS

- Press  $\uparrow/\downarrow$  two times to view history records.

### Button functions

- Select page
- / Scroll left / right
- $\uparrow$  /  $\downarrow$  Page up / down
- / Select / Change settings

### Clearing history records

- Press to clear the history records.

## VIEW GRAPH

- Press  $\uparrow/\downarrow$  three times to view graph.

### Button functions

- Change graph view (for the last 12 / 24 / 48 / 72 hours)
- $\downarrow$  Change the displayed graph in order:
  - Indoor outdoor temperature
  - Dew Point and Feels like
  - Indoor outdoor humidity
  - Wind speed and Gust
  - Wind Direction
  - UV index
  - Solar radiation
  - Rainfall hourly and daily
  - Barometer (REL & ABS)
- Back

## VIEW CHANNEL DATA

*NOTE: If you purchase the optional sensors, their data can be shown on the channel data screen.*

- Press  $\uparrow/\downarrow$  four times to view the channel data screen.

### Button functions

- / Select / Change setting
- / Scroll left / right
- $\uparrow$  /  $\downarrow$  Page up / down
- Back

### Renaming a sensor

- Use  $\uparrow$  /  $\downarrow$  / / to select a sensor, then press or .
- Use  $\uparrow$  /  $\downarrow$  /  $\leftarrow$  /  $\rightarrow$  to rename the selected sensor.

## WEATHER SERVER ACCOUNT

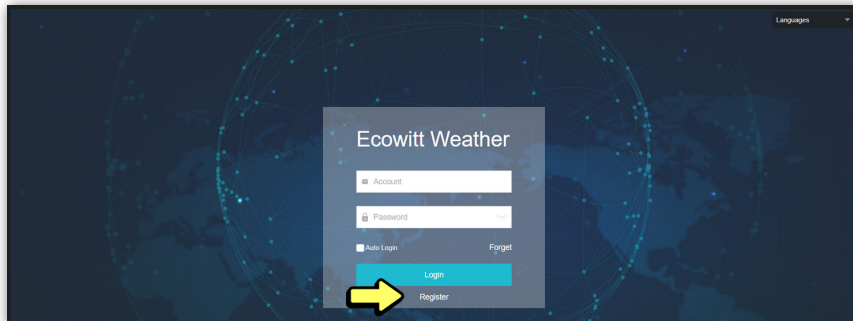
Your weather station is capable of sending data to selected internet weather services. The supported services are:

- <https://www.ecowitt.net>
- <https://www.wunderground.com>
- <https://weathercloud.net>
- <http://wow.metoffice.gov.uk>

*NOTE: Your weather station also supports uploading to your customized website, if the website uses the same protocol as Ecowitt or Wunderground.*

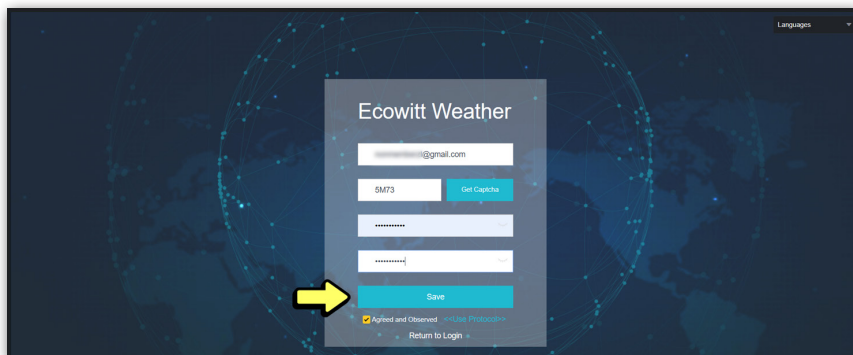
## CREATE AND SYNC YOUR ECOWITT ACCOUNT

Visit <https://www.ecowitt.net/home/login>, and select **Register** to create a free account.

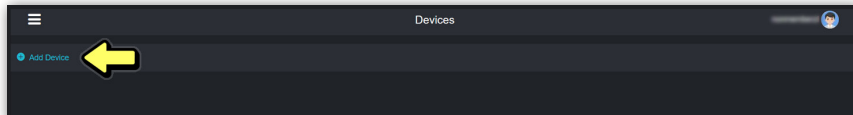
The image shows the Ecowitt Weather login/register interface. It features a dark blue background with a world map. A central white box contains the 'Ecowitt Weather' logo, an 'Account' input field, a 'Password' input field, a 'Remember Me' checkbox, a 'Forgot' link, a 'Login' button, and a 'Register' button. A yellow arrow points to the 'Register' button.

Enter your Email address, Captcha (is sent to your email) and Password, and click **Save**.

*NOTE: The password is your Login password of the website, not your email password. So no privacy will be exposed.*

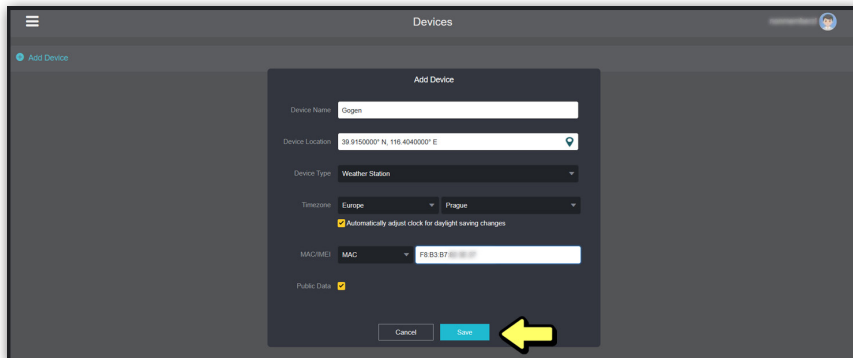
The image shows the Ecowitt Weather registration form. It features a dark blue background with a world map. A central white box contains the 'Ecowitt Weather' logo, an email input field, a 'Get Captcha' button, a captcha input field, a password input field, a 'Save' button, a 'Remember Me' checkbox, a 'Use Protocol' link, and a 'Return to Login' link. A yellow arrow points to the 'Save' button.

Click **Add Device**.

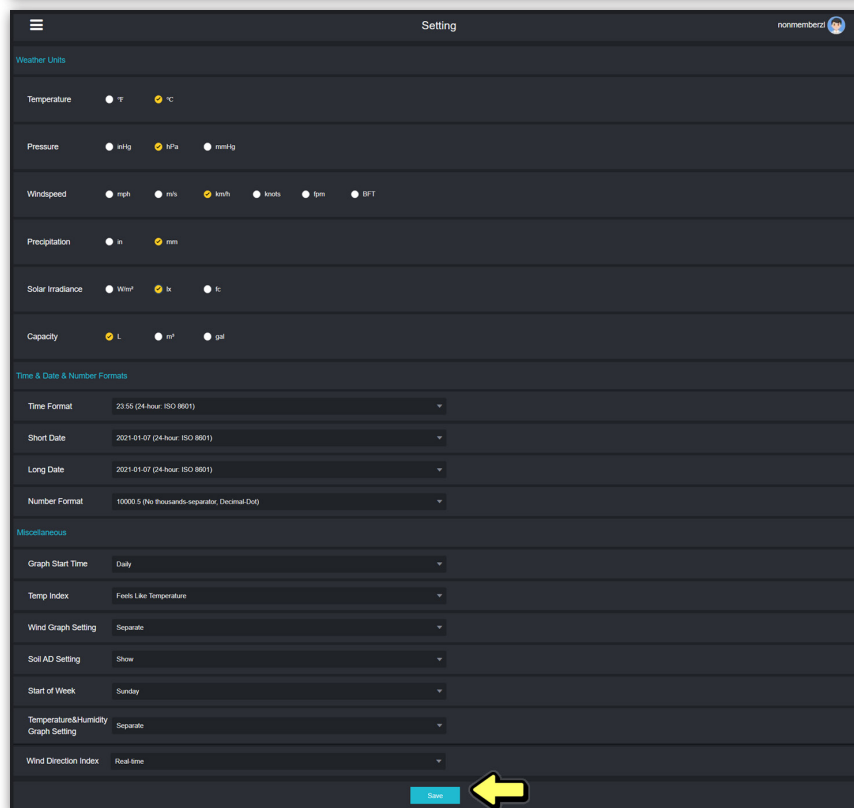
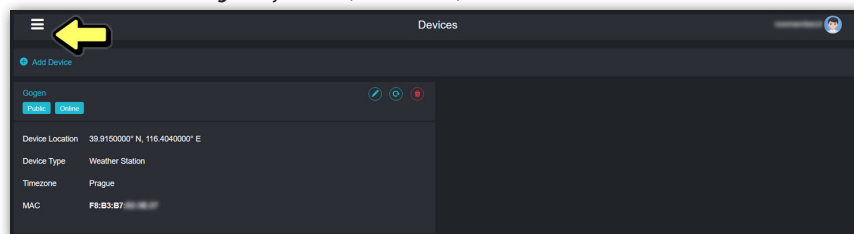
The image shows the Ecowitt Weather 'Devices' page. It features a dark blue background with a world map. A central white box contains the 'Add Device' button. A yellow arrow points to the 'Add Device' button.

Enter your device and location details, and click **Save**.

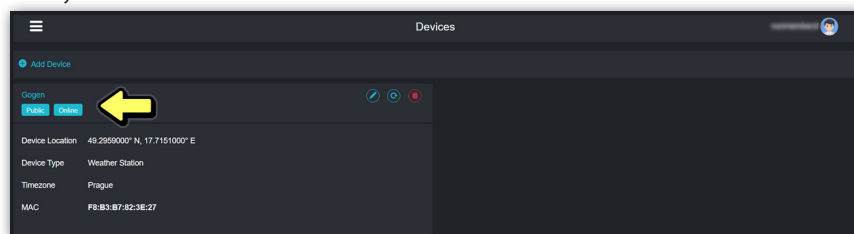
The MAC address can be found in the weather station settings. Press  to enter **Setup**, then select **Weather Server**.

The image shows the Ecowitt Weather 'Add Device' form. It features a dark blue background with a world map. A central white box contains the 'Add Device' form. The form includes fields for 'Device Name', 'Device Location', 'Device Type', 'Timezone', 'MAC (HEX)', and 'Public Data'. A yellow arrow points to the 'Save' button.

Click  and select **Setting** to adjust Units, Time & Date, and other details.

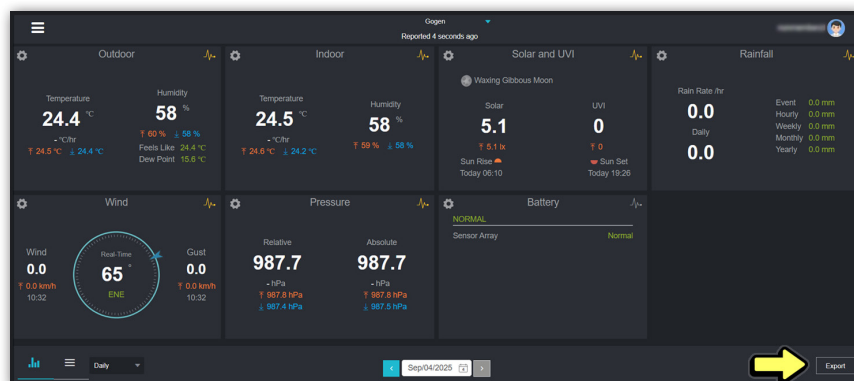


Select your weather station.



Click  and select **Dashboard** to view the weather station data.

*Note: The measured data can be exported to an Excel file. Click **Export**.*

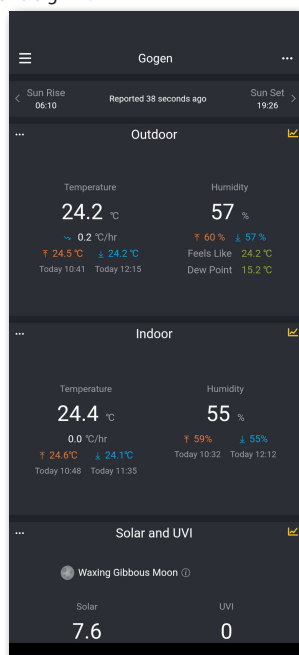
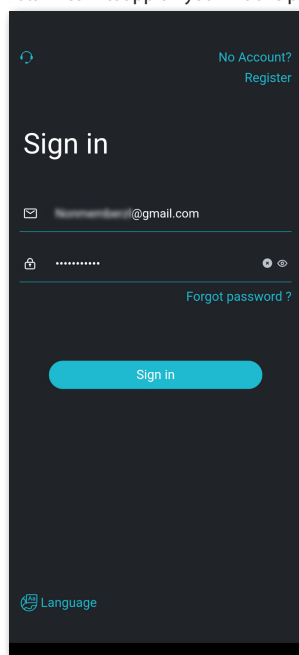


## VIEW YOUR WEATHER DATA IN ECOWITT

To view your weather station data live via PC or mobile web browser, visit <http://www.ecowitt.net>

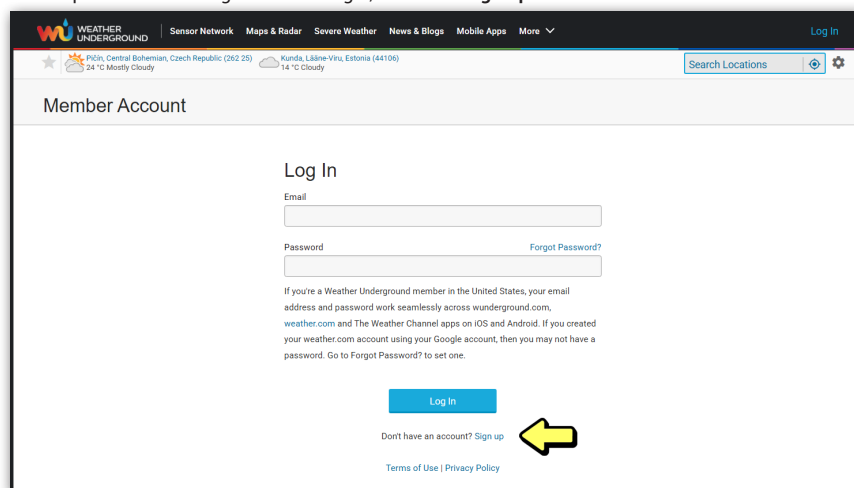
## VIEW YOUR WEATHER DATA IN THE ECOWITT APP

Install **Ecowitt** app on your mobile phone and sign in.



## CREATE AND SYNC YOUR WEATHERUNDERGROUND ACCOUNT

Visit <https://www.wunderground.com/login>, and select **Sign up** to create a free account.



WEATHER UNDERGROUND | Sensor Network | Maps & Radar | Severe Weather | News & Blogs | Mobile Apps | More

Log In

24 °C Mostly Cloudy | 14 °C Cloudy

Search Locations

### Member Account

#### Log In

Email

Password [Forgot Password?](#)

If you're a Weather Underground member in the United States, your email address and password work seamlessly across wunderground.com, [wunderground.com](#) and The Weather Channel apps on iOS and Android. If you created your wunderground.com account using your Google account, then you may not have a password. Go to [Forgot Password?](#) to set one.

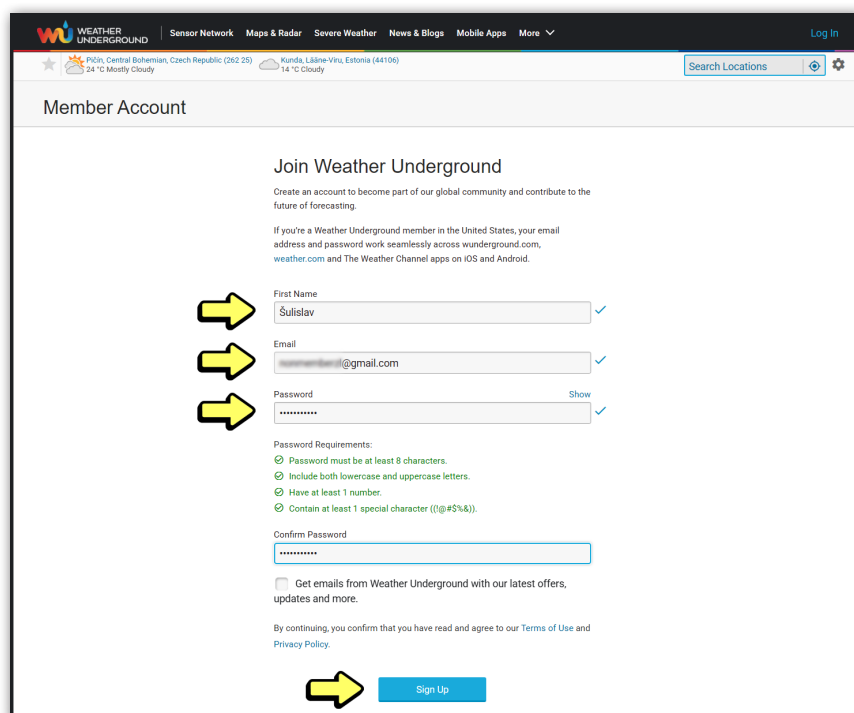
[Log In](#)

Don't have an account? [Sign up](#)

[Terms of Use](#) | [Privacy Policy](#)

Enter a First name, Email and Password, and click **Sign up** for free.

*NOTE: The password is your Login password of the website, not your email password. So no privacy will be exposed.*



WEATHER UNDERGROUND | Sensor Network | Maps & Radar | Severe Weather | News & Blogs | Mobile Apps | More

Log In

24 °C Mostly Cloudy | 14 °C Cloudy

Search Locations

### Member Account

#### Join Weather Underground

Create an account to become part of our global community and contribute to the future of forecasting.

If you're a Weather Underground member in the United States, your email address and password work seamlessly across wunderground.com, [wunderground.com](#) and The Weather Channel apps on iOS and Android.

First Name

Email

Password [Show](#)

Password Requirements:

- ✔ Password must be at least 8 characters.
- ✔ Include both lowercase and uppercase letters.
- ✔ Have at least 1 number.
- ✔ Contain at least 1 special character (!@#\$%^&\*).

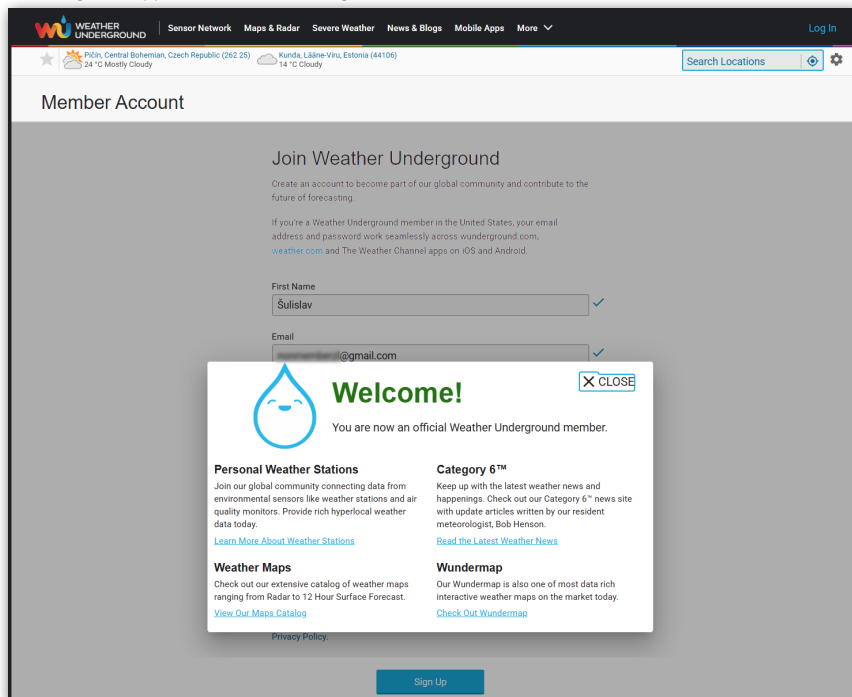
Confirm Password

☐ Get emails from Weather Underground with our latest offers, updates and more.

By continuing, you confirm that you have read and agree to our [Terms of Use](#) and [Privacy Policy](#).

[Sign Up](#)

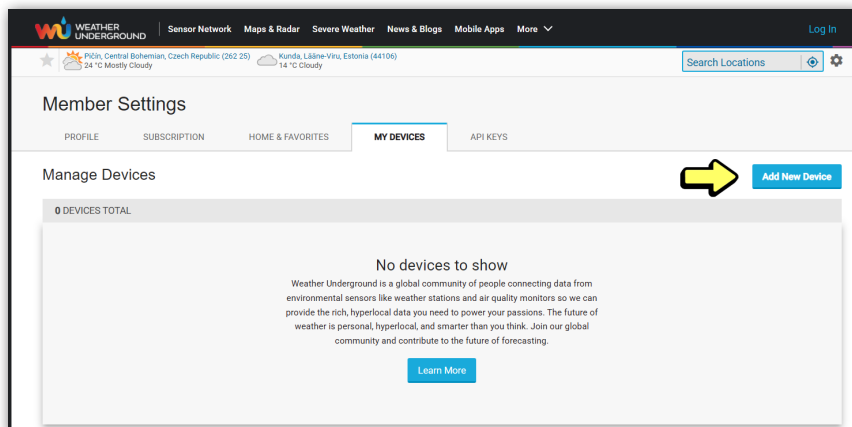
A message will appear after successful registration.



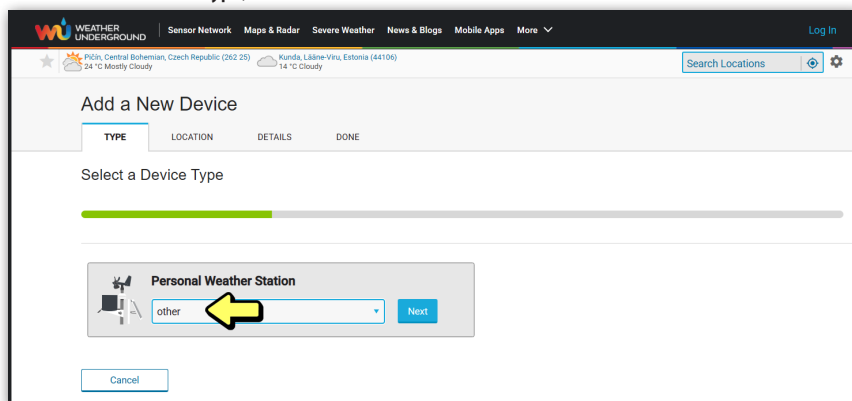
Click **My Profile**, and select **My device** to add your Weather station.



Click **Add New Device**.



Select **Other** for Device type, and click **Next**.



Set Device Location, and click Next.

WEATHER UNDERGROUND | Sensor Network | Maps & Radar | Severe Weather | News & Blogs | Mobile Apps | More | Log In

★ Pilsen, Central Bohemian, Czech Republic (262 25) 24 °C Mostly Cloudy Kunda, Lääne-Viru, Estonia (44106) 14 °C Cloudy Search Locations

### Add a New PWS

TYPE LOCATION DETAILS DONE

Set Device Name & Location

50%

Device Location:

☒ Address ☐ Manual

Zlin

Your Location has been verified and added!

Elevation: 251 m.  
Lat, Lon: 49.222, 17.661  
Neighborhood: Zlin  
Time Zone: Europe/Prague

Back Next

Enter the Weather station details, and click Next.

NOTE: Select *Other* for Device Hardware.

WEATHER UNDERGROUND | Sensor Network | Maps & Radar | Severe Weather | News & Blogs | Mobile Apps | More | Log In

★ Pilsen, Central Bohemian, Czech Republic (262 25) 24 °C Mostly Cloudy Kunda, Lääne-Viru, Estonia (44106) 14 °C Cloudy Search Locations

### Add a New PWS

TYPE LOCATION DETAILS DONE

Tell Us More About Your Device

75%

Name: (Required)

Gogen

Elevation: (Required)

251

Device Hardware: (Required)

other

Surface Type:

Height Above Ground:

Ft. Above Ground

You Make Our Forecasts More Accurate, We Respect Your Privacy

Contribute to the Weather Underground community by sharing some information about yourself and your sensor. We use this information to manage your account and to improve the experience from the Weather Underground community. We may also share certain data for commercial purposes, such as your sensor location.

Learn more about how we take your privacy seriously

(Required)

☒ I Accept ☐ I Deny

Email Preferences:

☒ I would like to receive PWS notifications.

Back Next

After successful registration, the Station ID and Station Key will be displayed.

Enter this information into the weather station. Press to enter Setup, then select Weather Server.

WEATHER UNDERGROUND | Sensor Network | Maps & Radar | Severe Weather | News & Blogs | Mobile Apps | More | Log In

★ Pilsen, Central Bohemian, Czech Republic (262 25) 24 °C Mostly Cloudy Kunda, Lääne-Viru, Estonia (44106) 14 °C Cloudy Search Locations

### Add a New PWS

TYPE LOCATION DETAILS DONE

Registration Complete!

100%

Congratulations! Your personal weather station is now registered with Weather Underground.

Enter the information below to your weather station software.

Your PWS

Station ID: IZLN192

Station Key: [blurred]

Copy credentials

View Devices

Configure Your Software

Select your weather station to view the weather station data.

WEATHER UNDERGROUND | Sensor Network | Maps & Radar | Severe Weather | News & Blogs | Mobile Apps | More | Log In

★ Pilsen, Central Bohemian, Czech Republic (262 25) 24 °C Mostly Cloudy | Kunda, Lääne-Viru, Estonia (44106) 14 °C Cloudy | Search Locations

### Member Settings

PROFILE | SUBSCRIPTION | HOME & FAVORITES | **MY DEVICES** | API KEYS

#### Manage Devices

Add New Device

1 DEVICES TOTAL

| Quality | Name  | Location        | Status | ID      | Key | Type | Manage                           |
|---------|-------|-----------------|--------|---------|-----|------|----------------------------------|
| 🏠       | Gogen | Zlín (Zlín), CZ | Online | IZLN192 |     | PWS  | Edit   Delete   Copy credentials |

Items per page: 1 - 1 of 1

WEATHER UNDERGROUND | Sensor Network | Maps & Radar | Severe Weather | News & Blogs | Mobile Apps | More | Log In

★ Pilsen, Central Bohemian, Czech Republic (262 25) 24 °C Mostly Cloudy | Kunda, Lääne-Viru, Estonia (44106) 14 °C Cloudy | Search Locations

Elev 81 m, 49.26 °N, 17.70 °E

## Gogen - IZLN192

FORECAST FOR ZLÍN, CZ

### Station Summary

Online(updated 25 seconds ago)

#### CURRENT CONDITIONS

**23.3** °C  
Feels Like 23.0 °

WIND & GUST  
**0.0 / 0.0** km/h

DEWPOINT  
**13.1** °C

PRECIP RATE  
**0.00** mm/hr

PRESSURE  
**1,016.26** hPa

HUMIDITY  
**53** %

PRECIP ACCUM  
**0.00** mm

UV  
--

#### MAP

View WunderMap

#### PWS CURRENT CONDITIONS

##### TEMPERATURE

**23°** CURRENT

DEWPOINT  
**13.1** °C

HUMIDITY  
**53** %

##### WIND

**0.0**

WIND FROM  
**NNE**

GUST  
**0.0** km/h

##### PRESSURE

**1,016.26** hPa CURRENT

##### PRECIPITATION

##### UV

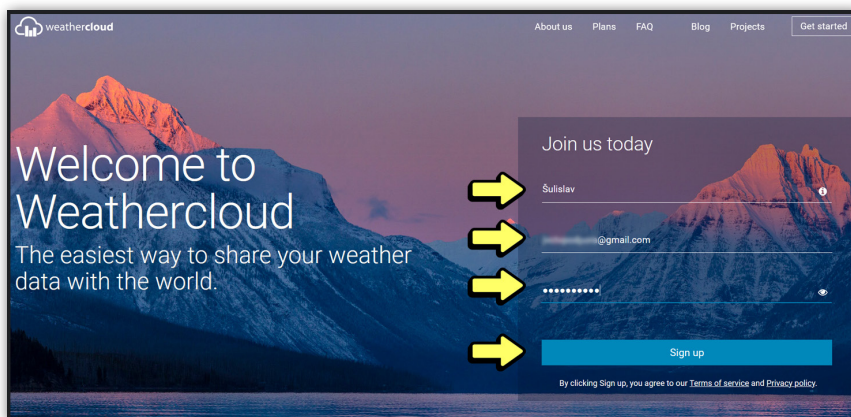
## VIEW YOUR WEATHER DATA IN WEATHERUNDERGROUND

To view your weather station data live via PC or mobile web browser, visit <http://www.wunderground.com>.

## CREATE AND SYNC YOUR WEATHERCLOUD ACCOUNT

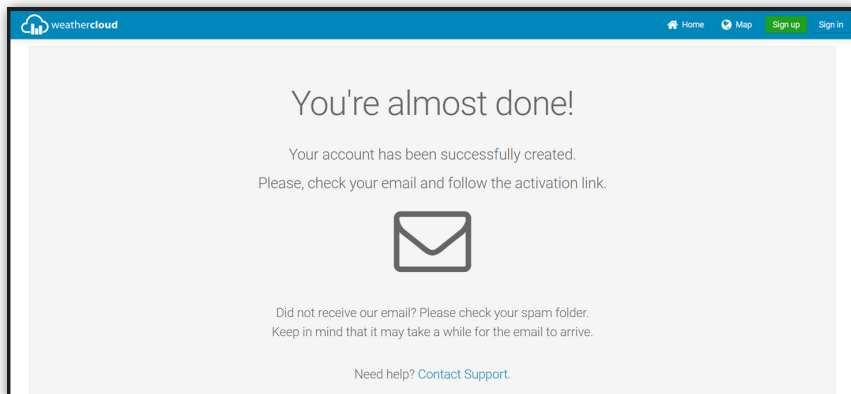
Visit <https://weathercloud.net/>. Enter a Username, Email and Password, and click **Sign up** to create a free account.

*NOTE: The password is your Login password of the website, not your email password. So no privacy will be exposed.*



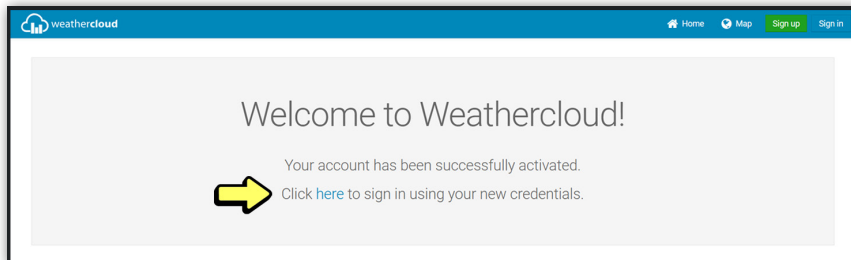
The screenshot shows the Weathercloud website's sign-up page. The background features a mountain landscape. On the left, the text reads "Welcome to Weathercloud" and "The easiest way to share your weather data with the world." On the right, there is a "Join us today" section with input fields for "Username" (containing "Sulislav"), "Email" (containing "@gmail.com"), and "Password" (represented by dots). A "Sign up" button is located below these fields. Four yellow arrows point to the input fields and the "Sign up" button. At the bottom, a small note states: "By clicking Sign up, you agree to our Terms of service and Privacy policy."

Check your email and follow the activation link.



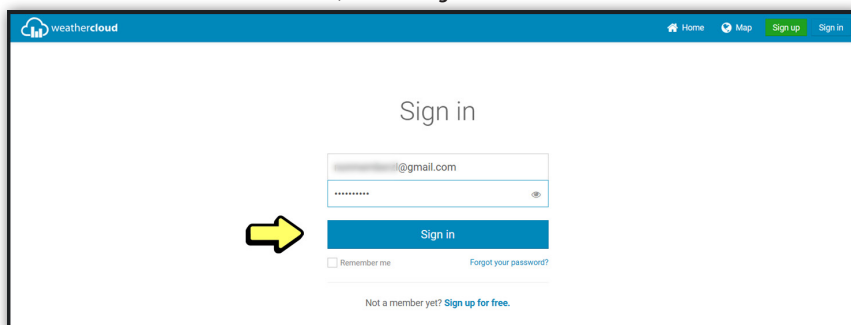
The screenshot shows a confirmation page titled "You're almost done!". It states: "Your account has been successfully created. Please, check your email and follow the activation link." Below this text is an envelope icon. Further down, it says: "Did not receive our email? Please check your spam folder. Keep in mind that it may take a while for the email to arrive." At the bottom, there is a link: "Need help? [Contact Support](#)."

A message will appear after successful registration. Click [here](#) to sign in.



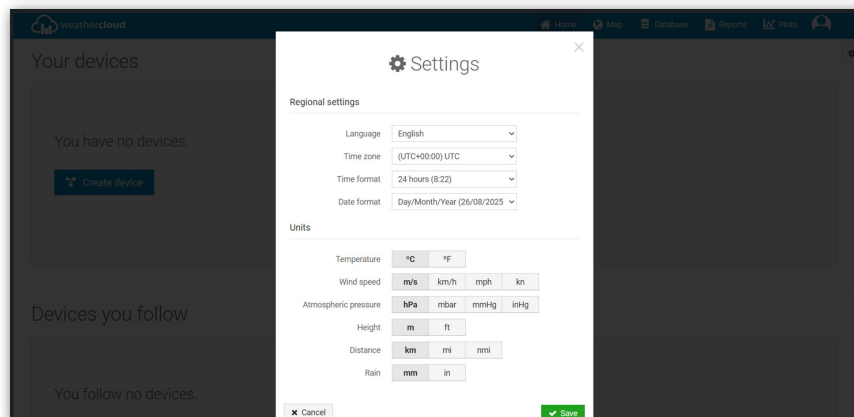
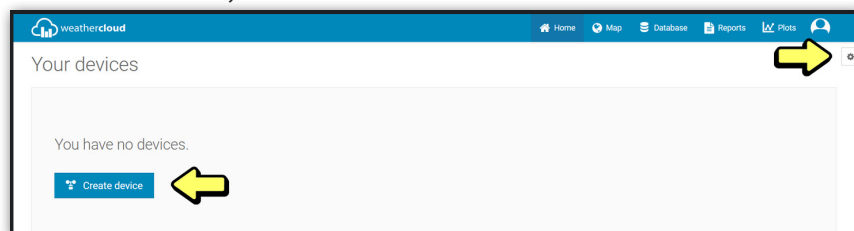
The screenshot shows a welcome page titled "Welcome to Weathercloud!". It states: "Your account has been successfully activated." Below this, there is a yellow arrow pointing to a link: "Click [here](#) to sign in using your new credentials."

Enter a Username or Email and Password, and click **Sign in**.

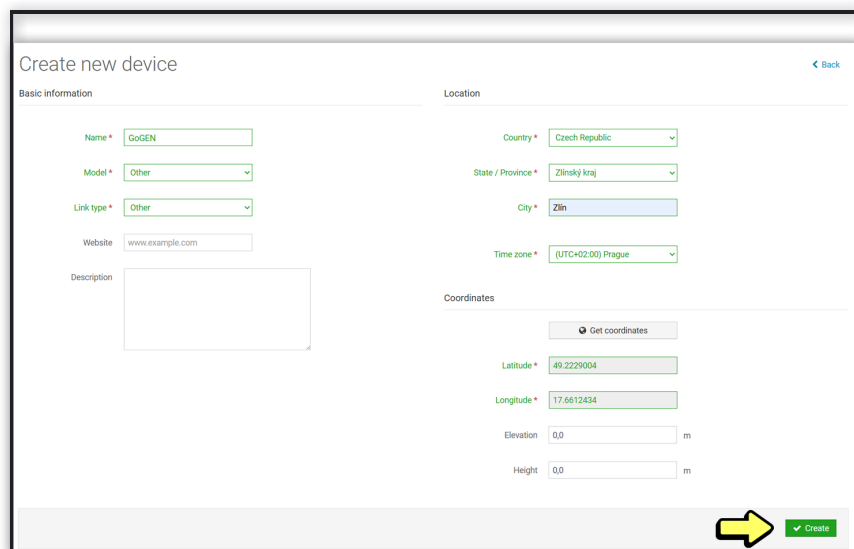


The screenshot shows the Weathercloud sign-in page. It has a "Sign in" title. Below the title are input fields for "Email" (containing "@gmail.com") and "Password" (represented by dots). A "Sign in" button is located below these fields. To the left of the button is a yellow arrow. Below the button, there are two links: "Remember me" (with a checkbox) and "Forgot your password?". At the bottom, there is a link: "Not a member yet? [Sign up for free](#)."

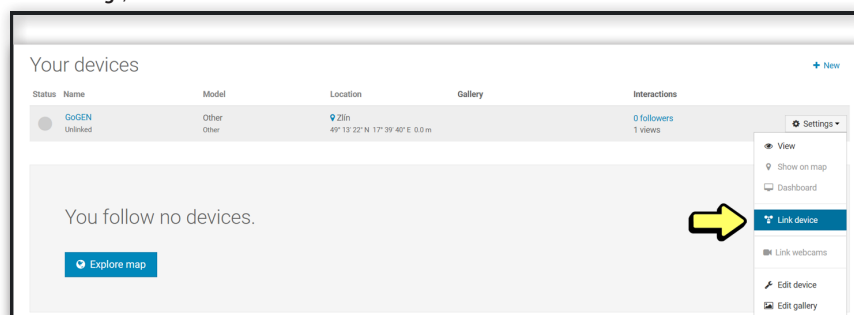
Click  to adjust **Regional Settings and Units**.  
Click **Create device** to add your Weather station.



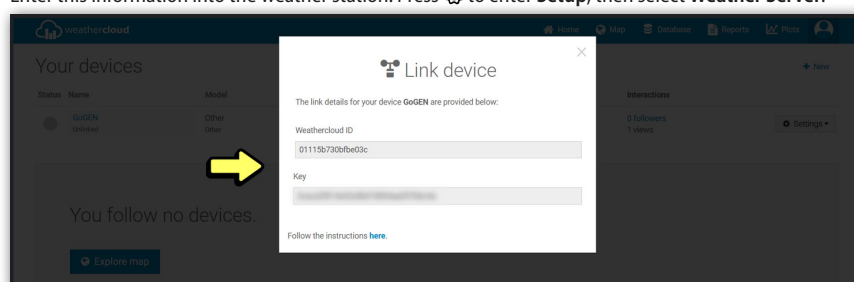
Enter the Weather station details, and click **Create**.  
*NOTE: Select **Other** for **Model**.*



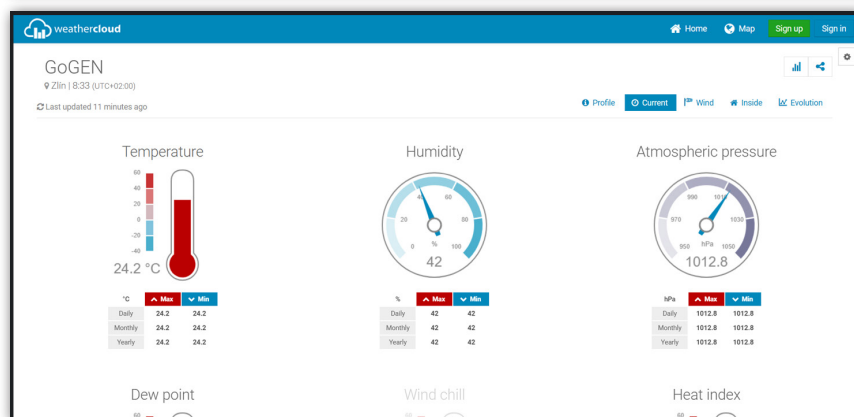
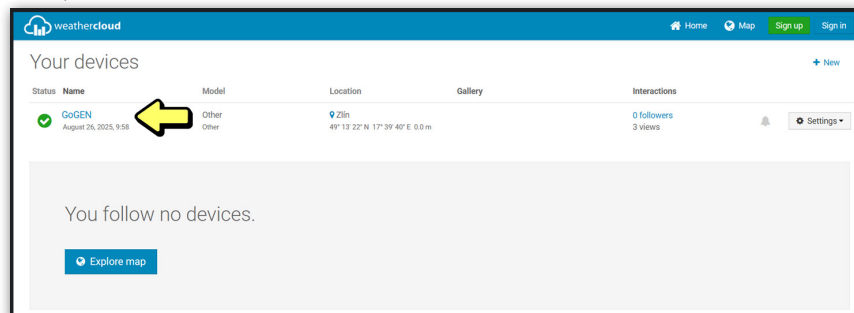
Click **Settings**, and select **Link Device**.



The Weathercloud **Station ID** and **Key** will be displayed.  
Enter this information into the weather station. Press  to enter **Setup**, then select **Weather Server**.



Select your weather station to view the weather station data.



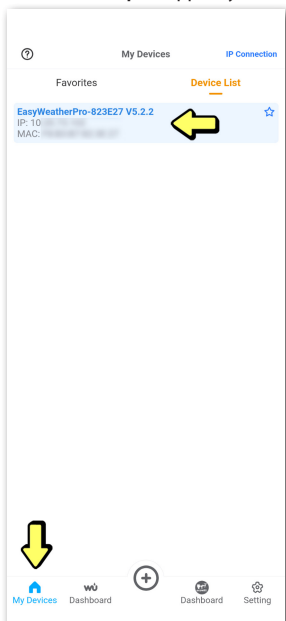
## VIEW YOUR WEATHER DATA IN WEATHERCLOUD

To view your weather station data live via PC or mobile web browser, visit <http://www.weathercloud.net>.

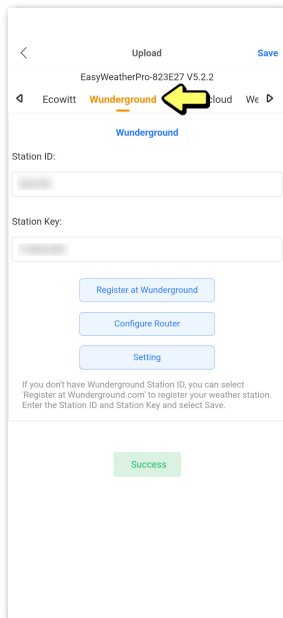
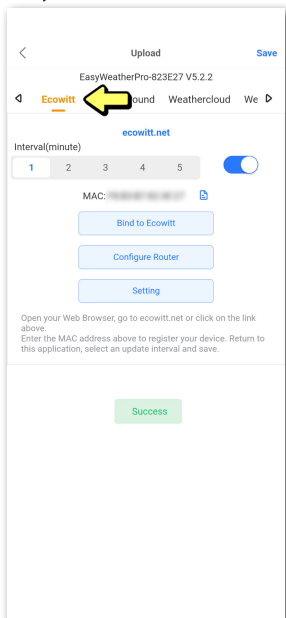
## VIEW YOUR WEATHER DATA IN THE WSVIEW PLUS APP

**NOTE:** Before viewing the data on the WSView plus app, you need to connect your weather station to your WiFi network. The weather station and your device must be connected to the same WiFi network

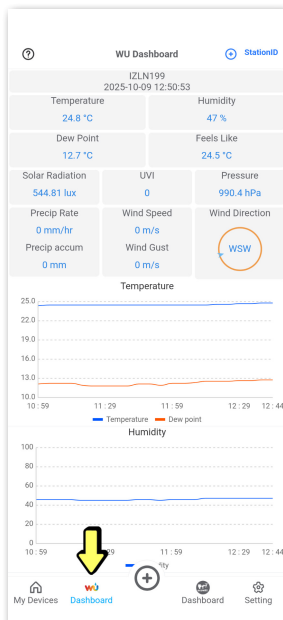
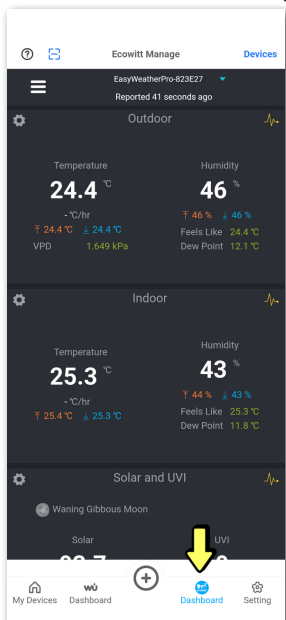
Install **WSView plus** app on your mobile phone. Click **My Devices**, your weather station appears on **Device List**.



Click your weather station and configure the connection to Weather servers (Ecowitt, Wunderground etc.) according to the instructions in the app.



Select the Weather server to view your weather data.



## SPECIFICATION

### Weather station

|                                  |                                      |
|----------------------------------|--------------------------------------|
| Power source                     | AC-DC 5 V / 1 A adapter (included)   |
| Support sensors                  | 1 x 7-in-1 sensor (included)         |
| Wi-Fi Standard                   | 802.11 b/g/n                         |
| Wi-Fi operation frequency / EIRP | 2,4 GHz (2412 - 2472 MHz) / 16,1 dBm |
| Dimension                        | 181 × 116 × 22 mm                    |
| Weight                           | 235 g                                |

### Outdoor sensor

|                       |                                                                                        |
|-----------------------|----------------------------------------------------------------------------------------|
| Main power            | 2 x AA 1,5 V battery (not included)                                                    |
| Weather data          | Temperature, Humidity, Wind speed, Wind direction, Rainfall, UV index, Solar radiation |
| RF frequency / EIRP   | 868 MHz (868,0 – 868,6) MHz / 1,753 dBm                                                |
| RF transmission range | 150 m (492 ft)                                                                         |
| Transmission interval | Every 8 seconds                                                                        |
| Operation temp        | -40 ~ 60°C (-40 ~ 140°F)                                                               |
| Dimension             | approx. 95 × 208 × 95 mm                                                               |
| Weight                | 460 g                                                                                  |

### Time

|              |                                      |
|--------------|--------------------------------------|
| Time display | HH : MM : SS                         |
| Hour format  | 12 hour or 24 hour                   |
| Date display | DD/MM/YYYY, MM/DD/YYYY or YYYY/MM/DD |
| Time zones   | GMT ± 12                             |
| DST          | ON/OFF                               |

### Barometer

|                  |                                                                    |
|------------------|--------------------------------------------------------------------|
| Barometer units  | hPa, inHg, mmHg                                                    |
| Measuring range  | 300 ~ 1100 hPa                                                     |
| Accuracy         | 700 ~ 1100 hPa ± 5 hPa                                             |
| Weather forecast | Sunny, Partly Cloudy, Cloudy, Rainy, Stormy, Snowy and Storm Snowy |
| Display mode     | Relative / Absolute                                                |
| Memory mode      | Max/ Min                                                           |
| Alarm            | High/Low pressure alarm                                            |

### Indoor/Outdoor Temperature

|                       |                            |
|-----------------------|----------------------------|
| Temperature unit      | °C and °F                  |
| Indoor Display range  | -10 ~ 60°C (-14 ~ 140°F)   |
| Outdoor Display range | -40 ~ 60°C (-40 ~ 140°F)   |
| In/Out accuracy       | ± 0,3°C (± 0,6°F)          |
| Display mode          | Current                    |
| Memory mode           | Max/ Min                   |
| Alarm                 | High/Low temperature alarm |

### Indoor/Outdoor Humidity

|                 |                         |
|-----------------|-------------------------|
| Humidity unit   | %                       |
| Display range   | 1 ~ 99 %                |
| In/Out accuracy | ± 5%                    |
| Display mode    | Current                 |
| Memory mode     | Max/Min                 |
| Alarm           | High/Low humidity alarm |

### Wind Speed and Direction

|                         |                                                   |
|-------------------------|---------------------------------------------------|
| Wind Speed unit         | m/s, km/h, knots, mph, bft (Beaufort scale), ft/s |
| Display range           | 0 ~ 40 m/s, 144 km/h, 78 knots, 89 mph            |
| Speed accuracy          | < 10 m/s ±0.5m/s<br>> 10 m/s ±5%                  |
| Display mode            | Wind speed/Gust                                   |
| Memory mode             | Wind speed/Gust                                   |
| Alarm                   | High Wind Speed/Gust alarm                        |
| Wind direction          | Current wind / Average wind direction             |
| Wind direction accuracy | ±15°                                              |
| Memory mode             | Wind speed/Gust Max                               |
| Alarm                   | High Wind speed/Gust alarm                        |

## Rainfall

|                       |                                                                       |
|-----------------------|-----------------------------------------------------------------------|
| Unit of rainfall      | mm, in                                                                |
| Range of rainfall     | 0 ~ 9999 mm (0 ~ 393,7 in)                                            |
| Accuracy of rainfall  | < 5 mm/h $\pm 20\%$<br>5 ~ 50 mm/h $\pm 10\%$<br>> 50 mm/h $\pm 20\%$ |
| Display mode          | Current                                                               |
| Memory mode           | Hourly / Daily / Weekly / Monthly / Yearly Rainfall                   |
| Rainfall display mode | Rate / Event / Hourly / Daily / Weekly / Monthly / Yearly Rainfall    |
| Alarm                 | Max Hourly / Daily Rainfal alarm                                      |

## UV Index

|                |        |
|----------------|--------|
| UV Index range | 0 ~ 15 |
| Memory mode    | Max    |

## Solar radiation

|                             |                           |
|-----------------------------|---------------------------|
| Unit of solar radiation     | Lux, Fc, W/m <sup>2</sup> |
| Solar radiation range       | 0 ~ 200 kLux              |
| Accuracy of solar radiation | $\pm 25\%$                |
| Memory mode                 | Max                       |

## Weather Index

|                    |                        |
|--------------------|------------------------|
| Weather Index mode | Feels like / Dew point |
| Display mode       | Current                |
| Memory mode        | Max/Min                |

We reserve the right to change technical specifications.

## TROUBLESHOOTING

### The outdoor sensor does not communicate with the weather station

- There may be a temporary loss of communication due to loss of reception related to interference or other location-related factors, or due to battery replacement. The solution may be simple: turn off the weather station (disconnect the DC power supply and batteries), wait 30 seconds, and reconnect the DC power supply and batteries.
- Place the weather station and outdoor sensor next to each other and re-pair them.
- The outdoor sensor LED flashes every 8 seconds. If the LED does not flash every 8 seconds.
  - press and hold the RESET button for 3 seconds
  - remove the batteries and wait one minute while covering the solar panel to discharge the voltage
  - replace the batteries
- If the batteries have been recently replaced, check their polarity.

### Indoor and outdoor temperatures are incorrect

- It may take up to one hour for the outdoor sensor to stabilize, please wait.
- Use the calibration function to set the indoor and outdoor temperatures using the correct values from another source.

### Outdoor temperature reads too high in the daytime

- Ensure that the outdoor sensor is not too close to heat sources such as buildings, sidewalks, walls, or air conditioning units.
- Ensure that the outdoor sensor is not exposed to direct sunlight.

### Relative pressure does not agree with official reporting

- You may be viewing the absolute pressure, not the relative pressure. Select the relative pressure.

### Problem with WiFi connection

- Ensure that the WiFi settings are correct (network name and password).
- Ensure that the weather station is powered by an adapter. If it is powered by batteries only, the weather station will not connect to WiFi.
- The weather station supports and connects only to 2.4 GHz wireless networks.
- The weather station does not support guest networks.

### Data is not transferred to Weather servers

- Check that you have entered the Station ID and Station key correctly. The most common problem is the substitution of O (letter) and 0 (number) and capital/small letters.
- Check your router's firewall settings. The weather station sends data via port 80.
- Ensure that the time and date on the weather station are correct. If they are incorrect, you may be reporting old data, not real-time data.
- Ensure that the time zone is set properly. If not, you may be reporting old data, not real-time data.

## CARE & MAINTENANCE

- Clean the top of the sensor every 3 months with a non-abrasive slightly damp cloth.
- Replace batteries every 1-2 years. If left in too long, the batteries may leak due to environmental challenges. In harsh environments, inspect the batteries every 3 months (while cleaning the solar panel).
- In snowy environments, spray the top of the weather station with anti-icing silicon spray to prevent snow build up.

# OPTIONAL SENSOR

## CONNECTING THE OUTDOOR SENSOR

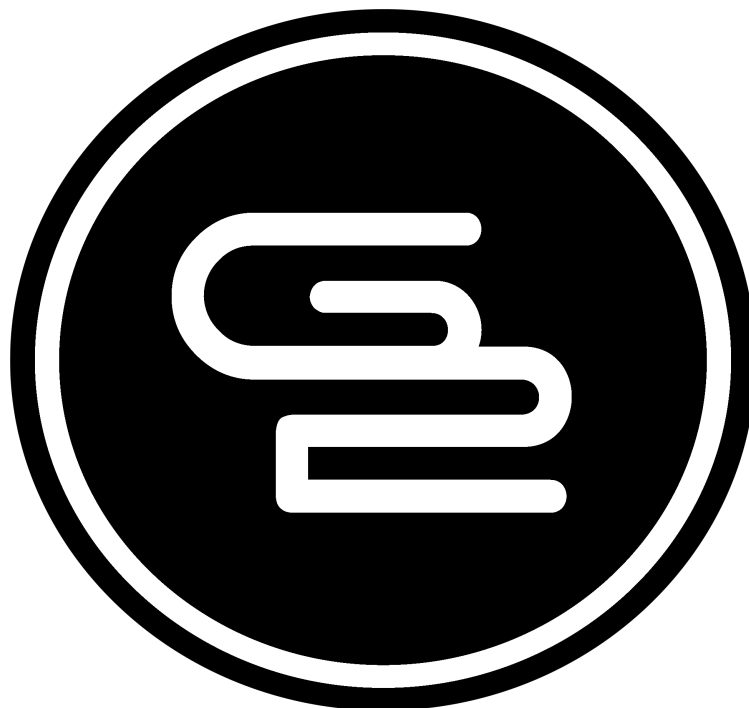
Place the main unit and sensor next to each other. The main unit will automatically detect the signals from the sensor, usually within 3 minutes. .

- Device supports up to 8 additional temperature and humidity (T&H) sensors. Press  to switch between them.

| Item number | Number of channels | Description              | Image                                                                               |
|-------------|--------------------|--------------------------|-------------------------------------------------------------------------------------|
| MESENZOR 39 | 8                  | Temperature and humidity |  |

| EN - English     |                                                                            |                                                                                                                            |
|------------------|----------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| Charging adapter |                                                                            |                                                                                                                            |
| A                | Manufacturer's name or trademark, business registration number and address | Dongguan Shijie Hua Xu Electronics Factory, No.200, Technology East Road, Shijie Town, Dongguan City, Guangdong, P.R.China |
| B                | Model identifier                                                           | HX13WB-0501000-AG-01                                                                                                       |
| C                | Input voltage                                                              | 100-240 V                                                                                                                  |
| D                | Input frequency                                                            | 50/60 Hz                                                                                                                   |
| E                | Output voltage                                                             | 5,0 V                                                                                                                      |
| F                | Output current                                                             | 1,0 A                                                                                                                      |
| G                | Output power                                                               | 5 W                                                                                                                        |
| H                | Average efficiency in active mode                                          | 75,39%                                                                                                                     |
| I                | Low load efficiency (10%)                                                  | -                                                                                                                          |
| J                | Power consumption without load                                             | 0,098 W                                                                                                                    |

|   | CZ - Čeština                                                            | SK - Slovenčina                                                          | PL - Polski                                                              | HU - Magyar                                                            |
|---|-------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------|
|   | Napájecí adaptér                                                        | Napájací adaptér                                                         | Adapter zasilania                                                        | Töltő adapter                                                          |
| A | Název výrobce nebo ochranná známka, obchodní registrační číslo a adresa | Názov výrobcu alebo ochranná známka, obchodné registračné číslo a adresa | Nazwa producenta lub znak towarowy, handlowy numer rejestracyjny i adres | A gyártó megnevezése vagy védjegye, a cég nyilvántartási száma és címe |
| B | Identifikační značka modelu                                             | Identifikačná značka modelu                                              | Znak identyfikacyjny modelu                                              | A modell azonosító jele                                                |
| C | Vstupní napětí                                                          | Vstupné napätie                                                          | Napięcie wejściowe                                                       | Bemeneti feszültség                                                    |
| D | Vstupní frekvence                                                       | Vstupná frekvencia                                                       | Częstotliwość wejściowa                                                  | Bemeneti frekvencia                                                    |
| E | Výstupní napětí                                                         | Výstupné napätie                                                         | Napięcie wyjściowe                                                       | Kimeneti feszültség                                                    |
| F | Výstupní proud                                                          | Výstupný prúd                                                            | Prąd wyjściowy                                                           | Kimeneti áramerősség                                                   |
| G | Výstupní výkon                                                          | Výstupný výkon                                                           | Moc wyjściowa                                                            | Kimeneti teljesítmény                                                  |
| H | Průměrná účinnost v aktivním režimu                                     | Priemerná účinnosť v aktívnom režime                                     | Sprawność średnia w trybie aktywnym                                      | Átlagos hatékonyság aktív módban                                       |
| I | Účinnost při malém zatížení (10 %)                                      | Účinnosť pri malom zatažení (10 %)                                       | Sprawność przy niskim obciążeniu (10 %)                                  | Hatékonyság alacsony terhelésnél (10 %)                                |
| J | Spotřeba energie ve stavu bez zátěže                                    | Spotreba energie v stave bez zátáže                                      | Zużycie energii w stanie bez obciążenia                                  | Energiafogyasztás terhelésmentes állapotban                            |



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