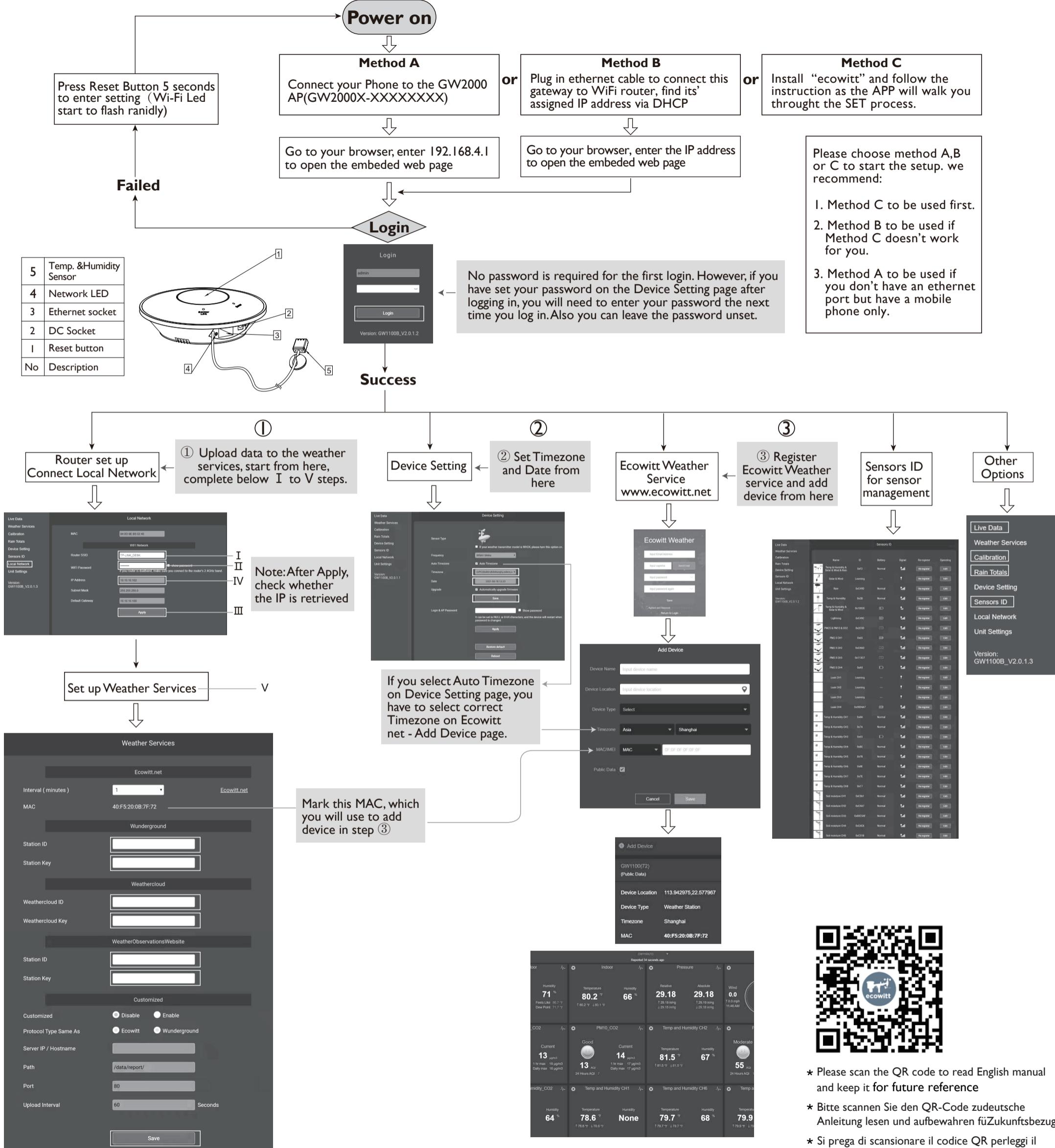


# SETUP Via Embedded Webpage



\* Please scan the QR code to read English manual and keep it for future reference

\* Bitte scannen Sie den QR-Code zudeutsche Anleitung lesen und aufbewahren für Zukunftsbezug

\* Si prega di scansionare il codice QR per leggi il manuale italiano e conservalo per Referenza futura

## Instruction manuals

<https://www.ecowitt.com/shop/goodsDetail/245>



MADE IN CHINA

## Attention:

Our product is continuously changing and improving, particularly online services and associated applications. To download the latest manual and additional help, please contact us at support@ecowitt.com or support.eu@ecowitt.net (EU/UK).

## Manufacturer:

ShenZhenShi OuSaiTeDianZi YouXianGongSi  
Add: C Dong 4 Ceng A, Minzhujiujigongyecheng AQu, Xihuanlu, Shajingjiedao, Baoanqu Shenzhen, Guangdong 518101, CN  
E-mail: support@ecowitt.com support.eu@ecowitt.net (EU/UK)

## UK representative

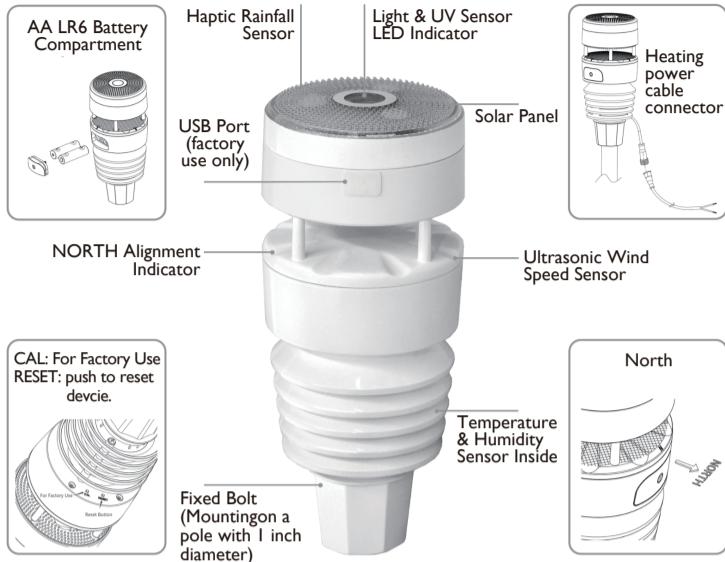
UK AR HUA TENG LIMITED  
3 Glass Street, Hanley, Stoke On Trent,  
ST1 2ET United Kingdom

## EC representative

EC REP AC WORKS CONSULTING Srl  
Via Vlifredo Pareto 125,47521 Casena(FC),ITALY

# WS90 7-in-1 Weather Station

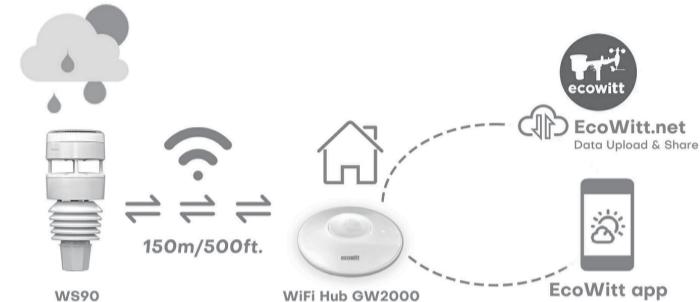
## I. Compact and Built to last



## 4. Paired with Wi-Fi Hub GW2000



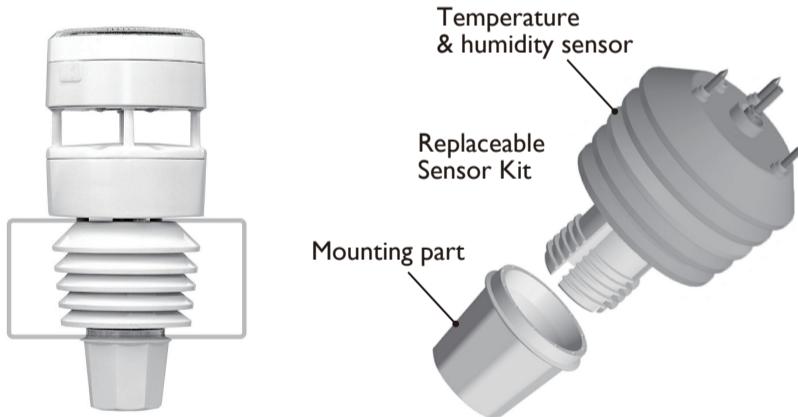
Your private weather station will pick up data of temperature, humidity, wind direction and speed, light and UV levels, as well as rainfall, and report it to you through its APP or the [ecowitt.net](#) website.



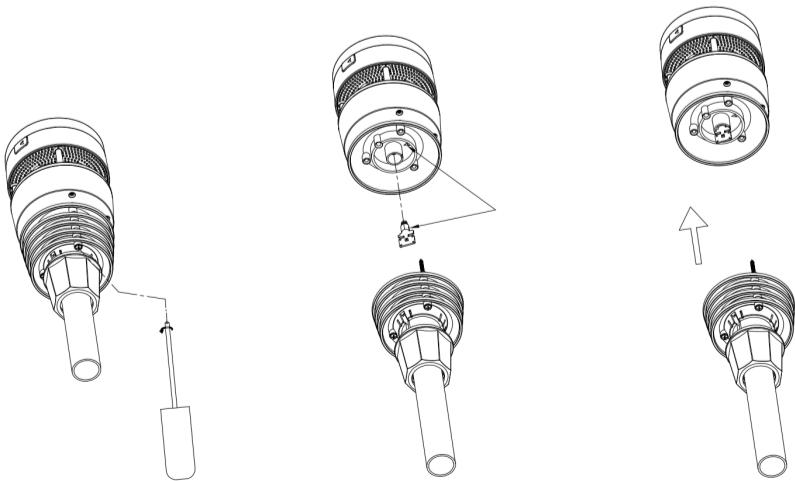
## 2. Feature

|   |  |   |  |
|---|--|---|--|
| <b>All-In-One Weather Station</b><br>Temperature, humidity, wind direction and speed, light and UV levels                   |  | <b>Near - Zero maintenance</b><br>All-in-one weather station with no moving parts   |  |
| <b>Dual-Power Supply</b><br>Solar Power Autonomy & Backup Battery   |  | <b>Haptic Rainfall Sensor</b><br>More accuracy with Anti-vibration design   |  |
| <b>Supports a bundle of sensors</b><br>Those already developed sensors or to be developed future sensors are all supported. |  | <b>Get Live data instantly</b><br>View live data on EcoWitt app or at EcoWitt.net   |  |
| <b>Light, compact yet robust: IPX5</b><br>install it outdoors and let it do its weather station magic                       |  | <b>Easy integration to 3rd party</b><br>With its unique data exchange protocol, it can be integrated easily with 3rd party systems. |  |
| <b>Replaceable Sensor Kit</b>   |  | <b>Easy integration to 3rd party</b><br>Data can be picked up&received through Hub GW2000 in 150m range                             |  |

## 3. Replaceable Temperature & Humidity Sensor



While compact, the entire structure of WittBoy is built to be robust and designed to withstand the test of time. The Temperature and Humidity Sensor Kit can be replaced whenever required.



1. Use screwdriver to untight the screws of the sensor.

2. unplug the old sensor

3. Replace the old Temp & Humidity sensor with new one

## We Support



## or your own defined server



## 5. Specification

### Measurement specification

| Measurement    | Range     | Accuracy                             | Resolution     |
|----------------|-----------|--------------------------------------|----------------|
| Wind speed     | 0~40M/S   | <10m/s, +/- 0.5m/s<br>≥10m/s, +/- 5% | 0.1M/S         |
| Wind direction | 0~359°    | <2m/s, ±10°<br>≥2m/s, ±7°            | 1°             |
| Temperature    | -40~60°C  | ±0.3°C (±0.6°F)                      | 0.1°C (±0.1°F) |
| Humidity       | 1~99%     | ±3.5%                                | 1%             |
| Light          | 0~200Klux | ±15%                                 | 0.1Klux        |
| UVI            | 1~15      | ±2                                   | 1              |
| Rain           | 0~9999    | TBA                                  | 0.1mm          |

### Power consumption

| Anemometer sensor (main)                       | Anemometer sensor (backup)   |
|--|--|
| Solar panel (built-in)<br>6.5V/4mA(integrated) | 2 x AA 1.5V battery<br>(not included, recommended to use Lithium non rechargeable batteries) |