VEVOR

Upgrade · The Home Creator Way

YT60308

VEVOR Support Center

Weather Station

Model:YT60308

VEVOR | Upgrade
The Home Creator Way

MODEL: YT60308



This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

	Warning-To reduce the risk of injury, user must read instructions manual carefully.
	This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:(1)This device may not cause harmful interference, and (2)this device must accept any interference received, including interference that may cause undesired operation.
	This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste, but must be taken to a collection point for recycling electrical and electronic devices

1.**Warning-**To reduce the risk of injury, user must read instructions manual carefully.
2.The product complies with relevant standards and regulations. Installation of this device must comply with all applicable regulations, and it should only be operated in well-ventilated areas. Please read the user manual before installing and using this equipment.
3.**WARNING:** Read all instructions prior to installation and operation. Failure to comply with safety warnings may cause electric shock, fire, explosion, serious injury or fatality. Improper operation will void the product warranty.

Electric Shock Hazard

DANGER: Solar panels produce DC voltage under sunlight. Terminals and internal parts may remain energized even when the unit is turned off.
Do not open, disassemble or touch live components. Always disconnect solar power and battery before maintenance or repair.
Installation must be completed by qualified personnel in accordance with local electrical codes.

Lithium Battery Safety

WARNING: This device contains built-in lithium-ion battery. Do not crush, puncture, disassemble or dispose of the battery in fire.
Never short-circuit battery terminals. Use only matched solar regulators and charging accessories specified by the manufacturer.
Operating temperature range: -20°C to +60°C. Keep away from intense direct sunlight and extreme high temperature.
Stop using the product immediately if the battery leaks, swells or emits smoke, and contact the supplier right away.

Outdoor & Enclosure Safety

WARNING: This monitor is designed for outdoor application. Do not use it in corrosive, flammable or explosive atmospheres.
Ensure the enclosure and cable connections are fully sealed to prevent ingress of rain, dust and moisture.
Do not step on, strike or apply heavy load to the device and solar panel.
Lightning Protection
WARNING: Install dedicated lightning protection devices for outdoor use in thunderstorm-prone areas.
Disconnect the system power during severe thunderstorms to avoid damage from lightning surge.

Maintenance & Storage

SAFETY PRECAUTIONS

WARNING! Please read and understand all safety precautions, operating instructions, and care/maintenance instructions before operating this appliance. Keep this manual for future reference.

- This product is not a toy. Keep out of the reach of children.
- This product is designed for use in the home only as indication of weather conditions.
- This product is not to be used for medical purposes or for public information.
- Do not clean the unit with abrasive or corrosive materials.
- Do not place the appliance near open flames or heat sources. Fire, electric shock, product damage, or injury might occur.
- Only use fresh new batteries in the product. Do not mix new and old batteries together.
- Do not disassemble, alter, or modify the product.
- Only use attachments or accessories with this product specified by the manufacturer.
- Do not submerge the unit in water. Dry the product with a soft cloth if liquid spills on it.
- Do not subject the unit to excessive force, shock, duct, extreme temperature, or humidity.
- Do not cover or block the ventilation holes with any objects.
- This display console of this product is intended to be used indoors only.
- This product is only suitable for mounting at height less than 2 m (6.6 ft.).
- Batteries are not included. When inserting batteries, make sure that the positive and negative polarities match with the markings in the compartment.
- Do not mix standard, alkaline, and rechargeable batteries together.
- Leaving a battery exposed to extremely high temperatures in the surrounding environment can result in an explosion or leakage of flammable liquid or gas.
- Leaving a battery exposed to extremely low air pressure in the surrounding environment can result in an explosion or leakage of flammable liquid or gas.

TIPS FOR SENSOR SITE SELECTION

- Rain collector must be cleaned every few months.
- Sensor should be installed at least 1.5 m (5') away from any building or structure.
- Choose a location in open space under direct sunlight with no obstructions.
- The sensor should remain in line of sight and within 150 m (492') of the display console for consistent, steady transmission.
- Keep your sensor and display console away from household appliances that operate on the same frequency. The console and sensor should be at least 1 - 2 m (3' -7') away from such interferences.

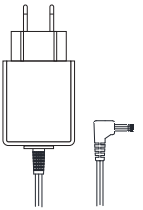
PRODUCT FEATURES

- Colorful and big digit display with super bright backlight.
- 9 functional buttons: SET, /TEMP, RAIN, WIND/+, /BARO/-, ALERT, MAX/MIN, CHANNEL, LIGHT/ SNOOZE.
- Time automatically sychronizes to the internet.
- Alarm with snooze function.
- Daylight Saving Time (DST) function.
- Time zone: GMT ±12.
- 8 weekday languages (EN/DE/FR/ES/IT/NL/RU/DU).
- Moon Phase.
- Indoor & outdoor temperature (°C/°F) & humidity readings with trend.
- Hourly, Daily, Weekly, Monthly, Total rainfall and Rainfall rate in past hour.
- Average wind speed, gust wind speed and wind direction displays.
- Absolute and relative Barometric pressure displays with trend.
- Weather index display : Feel likes, Wind Chill, Heat index, Dew point.
- Weather Forecasting.
- Max/Min reading.
- Weather alert settings.
- Work with Smart Life APP.
- 4-level brightness of backlight.

PACKAGE CONTENTS



1



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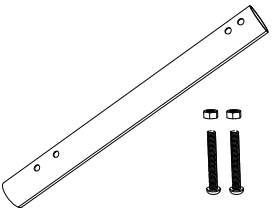

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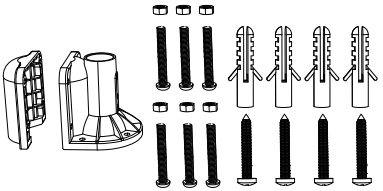

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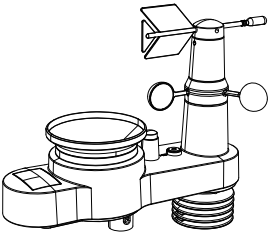

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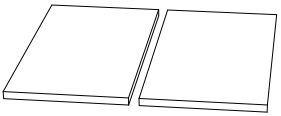

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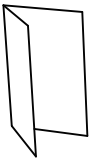

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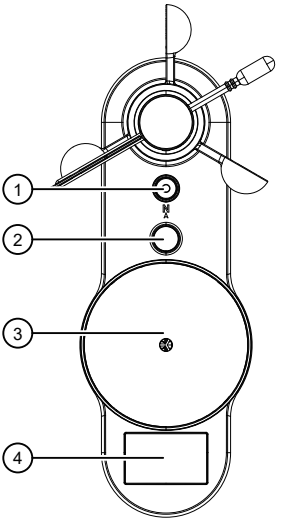
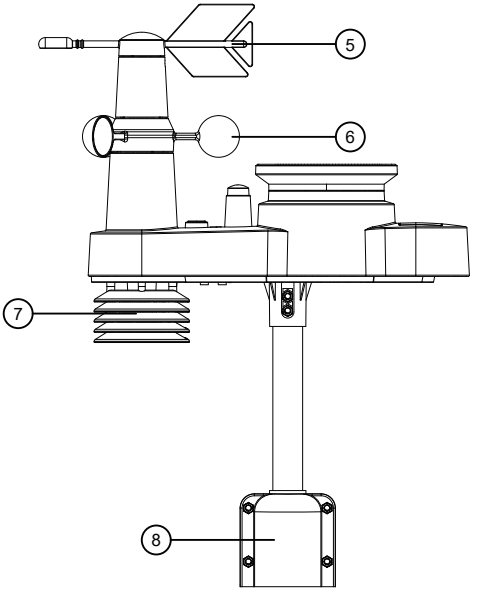
1. Display Console
2. Adapter
3. Mounting pole with 2 screws
4. Mounting brackets with 6 screws
5. Wireless 5-in-1 outdoor sensor
6. Rubber pads X 2
7. Screwdriver
8. User guide

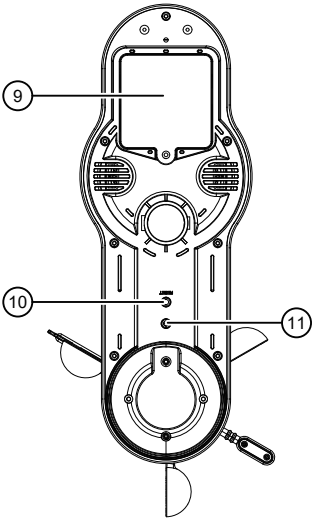
PRODUCT OVERVIEW

WIRELESS 5-IN-1 OUTDOOR SENSOR

① Bubble level gradienter
② Antenna
③ Rain collector
④ Solar panel
⑤ Wind direction vane
⑥ Wind speed cups
⑦ Hygro-thermo sensor
⑧ Mounting brackets
⑨ Battery door
⑩ RESET button
⑪ LED: Flashes when the unit transmits a reading








①
②
③
OUT
35.7 °C
71 %
WIND
N
NW
NE
W
E
SW
SE
S
Km/h
27.8
IN
27.4 °C
53 %
④
RAIN
DAILY
14.23
FORECAST
BARO
1015
hPa
⑦
⑤
⑥
28 D 10 M
10:28
WED
SET
/TEMP
RAIN
WIND/+
/BARO/-
ALERT
MAX/MIN
CHANNEL
⑧
⑨
⑩
⑪
⑫
⑬
⑭
⑮
⑯
Zz
⑰
DC 5V

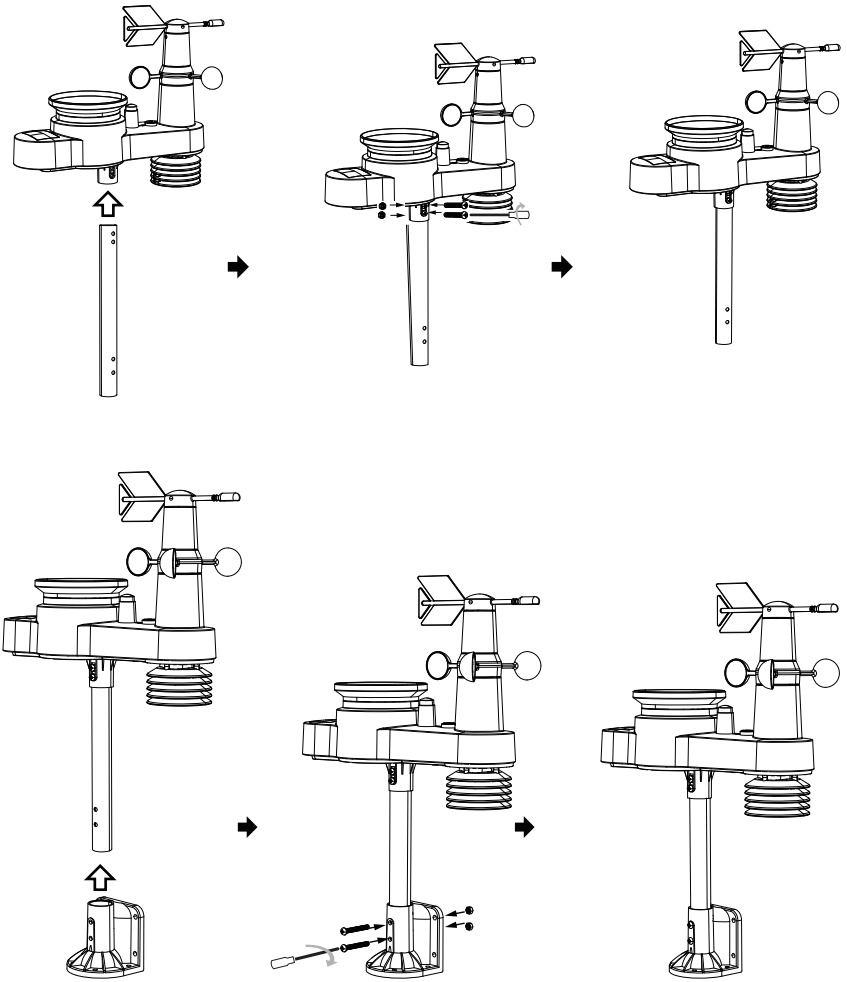
① Outdoor temperature/humidity reading, weather index
② Wind direction & speed
③ Indoor temperature/humidity reading
④ Rain
⑤ Weather forecast
⑥ Time & date, moon phase, Weekday
⑦ Barometer
⑧ SET button
⑨ /TEMP(ALARM) button
⑩ RAIN button
⑪ WIND/+ button
⑫ /BARO/- (Wi-Fi) button
⑬ ALERT button
⑭ MAX/MIN button
⑮ CHANNEL button
⑯ LIGHT/SNOOZE button
⑰ Battery compartment (3 x AAA batteries, not included)

SETTING UP THE WIRELESS 5-IN-1 OUTDOOR SENSOR

The wireless 5-in-1 outdoor sensor measures wind speed, wind direction, rainfall, temperature, and humidity.

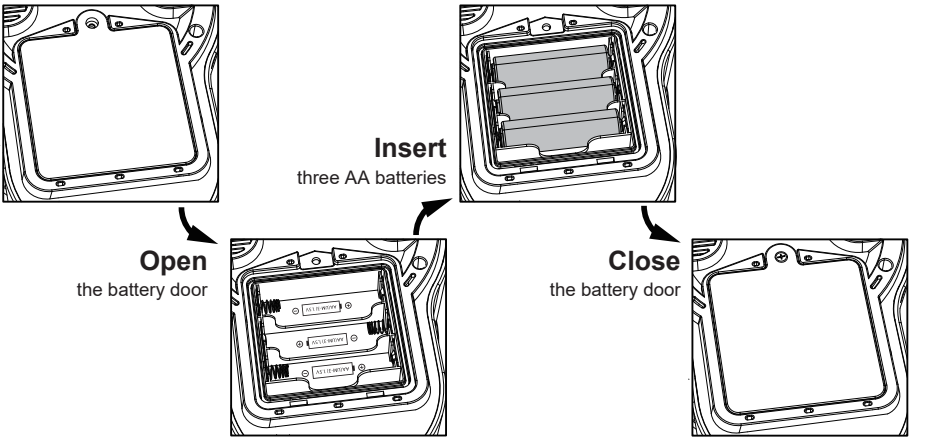
INSTALLING THE MOUNTING POLE AND BRACKET

- Secure the sensor onto a mounting pole and bracket (included) using the screws (included).



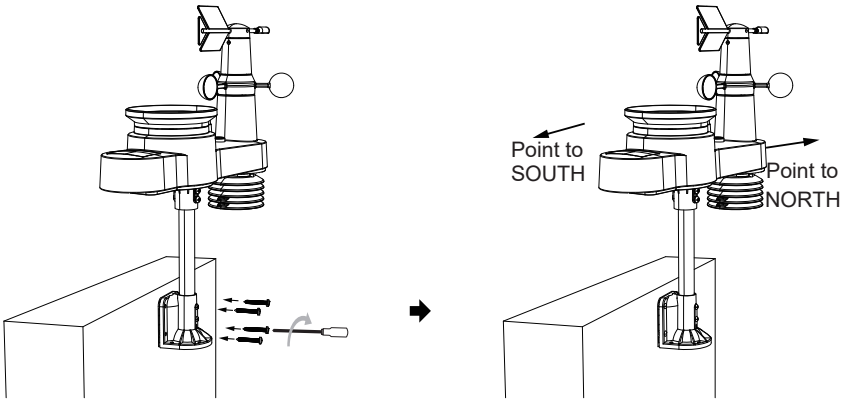
INSTALLING THE BATTERIES

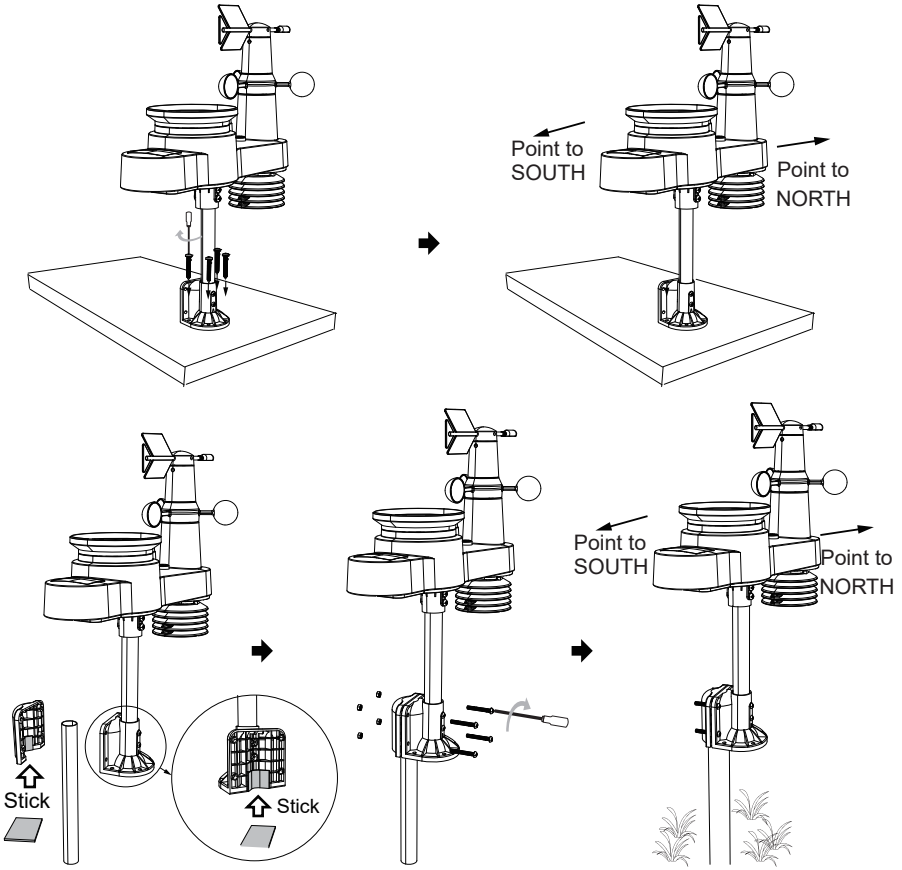
- Open the battery door.
- Insert three AA batteries (not included) according to the +/- polarity labeled in the compartment.
- Close the battery door on the compartment.



MOUNTING THE WIRELESS 5-IN-1 OUTDOOR SENSOR

- Pick a location for the 5-in-1 outdoor sensor that is open with no obstructions.
- Tighten the mounting brackets to a surface/wall using four tapping screws (included), or tighten the mounting pole to your existing mounting pole with four Φ5 Bolts and M5 Nuts assembly.
- Add rubber pads onto the mounting bracket before fastening the mounting bracket to the sensor.
- Make sure the rain collector faces north and the solar panel faces south before fastening the screws (included).
- Please ensure that the sensor is fixed particularly tightly, otherwise windy conditions cause the transmitter to shake and thus misread the rainfall data.





POINTING THE WIRELESS 5-IN-1 OUTDOOR SENSOR TO SOUTH (OPTIONAL)

The outdoor wireless weather sensor is calibrated to be pointed north for maximum accuracy. However, for your convenience, if you are a user located in the Southern Hemisphere, you can use the sensor with the rain collector pointing south.

1.) Mount and install the wireless weather sensor with the rain collector pointing South, instead of North. (Please refer to MOUNTING THE WIRELESS 5-IN-1 OUTDOOR SENSOR.)
2.) Select "STH" for south hemisphere in the clock setting mode. (Please refer to "setting the clock")

NOTE: Changing the hemisphere setting will automatically switch the direction of the moon phases on the display.
Pointing the wireless weather sensor toward the south will allow maximum sunlight on the solar panel, especially during the winter season in the Southern Hemisphere.

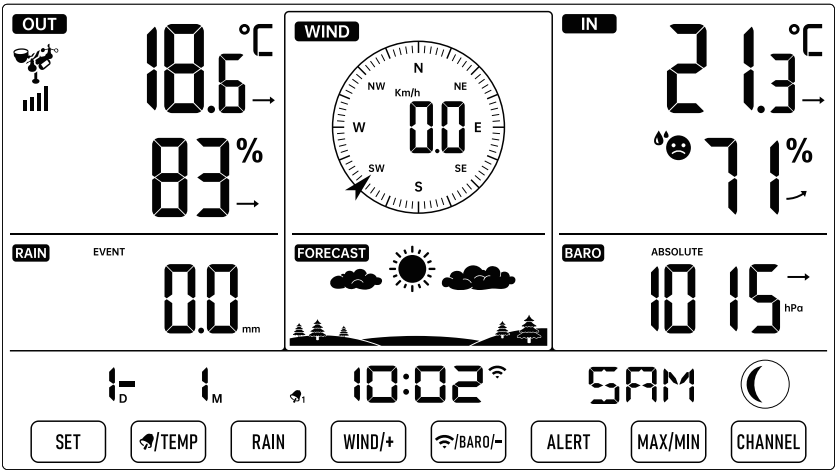
SETTING UP THE WEATHER STATION

POWERING UP THE WEATHER STATION

- Plug the power adapter into the power jack located in the back of the weather station. Insert 3 new AAA alkaline batteries (not included) for backup.
- Once the weather station is turned on, it will automatically enter pairing mode.

PAIRING THE WIRELESS 5-IN-1 SENSOR

- Once your weather station powers on, it should automatically search for and connect to the wireless sensors. If the weather station does not connect within the first 5 minutes, refer to the following section, “RE-PAIRING SENSOR”.
- You will see the icon of an antenna scrolling in the temperature and humidity (outdoor) section of the display.
- Once the pairing process completes, the antenna icon will appear solid (not flashing), and the readings for outdoor temperature and humidity, wind speed, wind direction,, and rainfall will appear in their designated sections of the LCD display.



NORMAL TIME DISPLAY

RE-PAIRING SENSOR

- If the connection fails or the weather station is reset, then press and hold the ⑮【**CHANNEL**】button over 2 seconds to enter pairing mode, and the weather station will re-register all the sensors that have already been registered to it before, (i.e. the weather station will not lose the connection of the sensors that you’d paired up before.)

PAIRING ADDITIONAL WIRELESS SENSORS (Optional)

The console supports up to 3 additional wireless sensor(s), and the console will receive the sensor's data and display on the console. To pair the additional wireless sensor, please refer to below procedures:

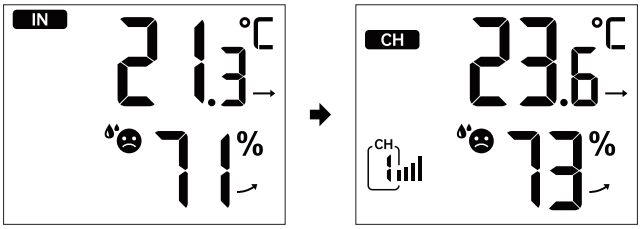
1. Remove the battery door of the wireless sensor transmitter(s).
2. BEFORE inserting the batteries, use the channel switch to set the channel number (CH1-3) for the sensor.
3. Insert 2 AA batteries into the battery compartment according to the +/- polarity labelled in the compartment.
4. Place the battery door back on the sensor. The sensor will then be in the pairing mode and can be registered to the console within the next few minutes. The transmission status LED will begin to flash every minute.
5. Press and hold the ⑮**【CHANNEL】** button on the console to enter the pairing mode.
6. Wait for a few minutes for the new sensor to be paired to the console.

NOTE:

- **Channel number of the wireless sensor(s) MUST NOT be the same as another wireless sensor(s). Otherwise, it will affect the normal data reception.**
- **To change the sensor to a new channel, please refer above pairing procedure 1-6.**

VIEW ADDITIONAL WIRELESS SENSORS DATA (Optional)

After the additional wireless sensor(s) to be paired, the console can display that paired wireless sensor(s). To view the additional wireless sensor(s) data, press ⑮**【CHANNEL】** to toggle viewing between the indoor data and wireless sensor data with CH1-3.



NOTE:

When the user want to view the indoor data and the wireless sensor(s) data in looping automatically, press the ⑮【CHANNEL】 until the display showing ↻ symbol. The console display will switch the display between indoor data and wireless sensor(s) every 3s automatically.

INITIAL SMART LIFE APP SETUP

- Search “ Smart Life ” on APP Store or Google Play. Or scan the QR code and download the free Android or IOS app, then install the APP.
- Open the Smart Life APP, select “ Sign up ”. Follow the prompts to register a smart life account with your email account or mobile number.
- If you have already installed the Smart Life App, go to step 2.

Download on the App Store

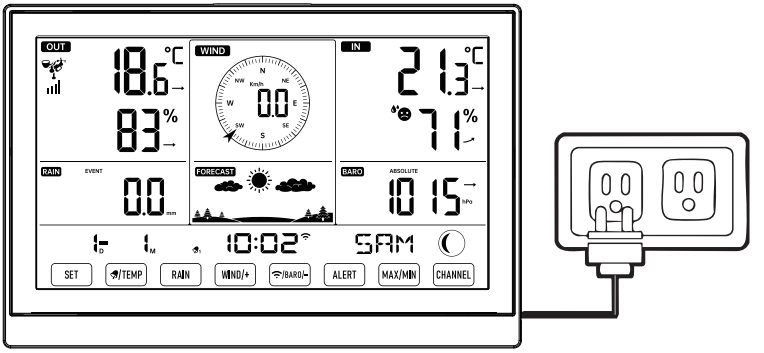
GET IT ON Google Play

SETUP INSTRUCTION

SETTING UP WI-FI CONNECTION

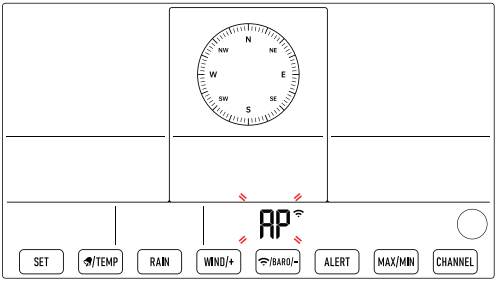
There are 2 ways to set up your display console for Wi-Fi connection.

Note : Make sure the weather station is always connected to the power adaptor for WIFI function. Otherwise, if power adaptor is not plugged, all WIFI functions will be disabled.

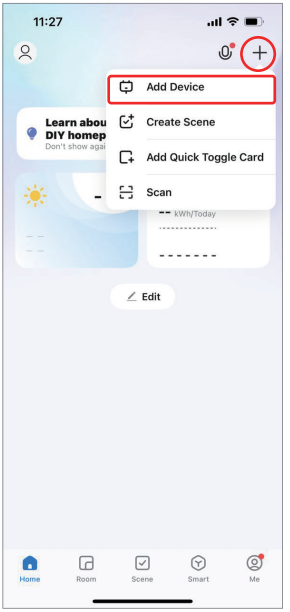


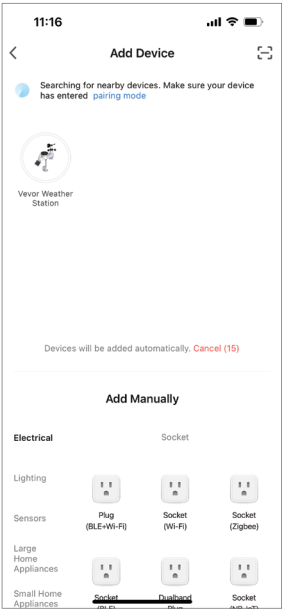
First way:

1. Turn on your smartphone's Bluetooth and Wi-Fi.
2. Open the " Smart Life APP " and log in to your registered account.
3. For the display console, Press and hold ⑭【/BARO/-】 button over 3 seconds, the LCD display of the console will show the letter " AP" that it has entered into the pairing mode. At this time it will be ready for the Wi-Fi settings to be adjusted.

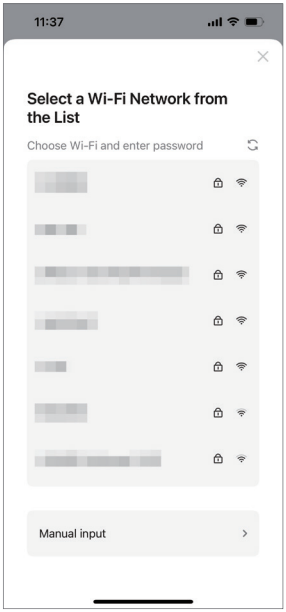


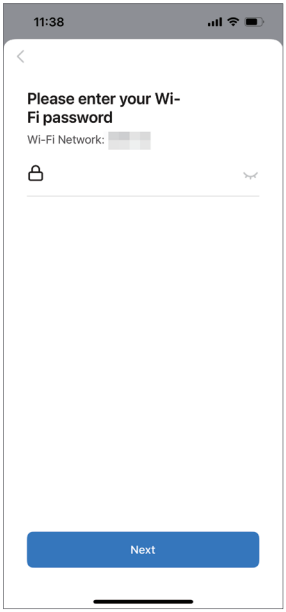
4. Inside the device lists page of Smart Life App, tap "+" to add the pair the new device, it will scan automatically.

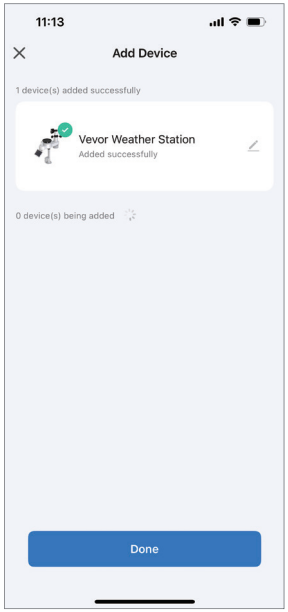




5. Tap “ Add” and enter your Wi-Fi information (Only 2.4GHz WiFi is supported), waiting for connecting to be 100%. Ensure that the display console “ Weather station ” is added successfully.





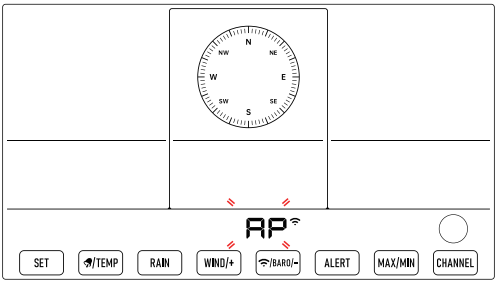


Note : Make sure the weather station is always connected to the power adaptor for WIFI function. Otherwise, if power adaptor is not plugged, all WIFI functions will be disabled.

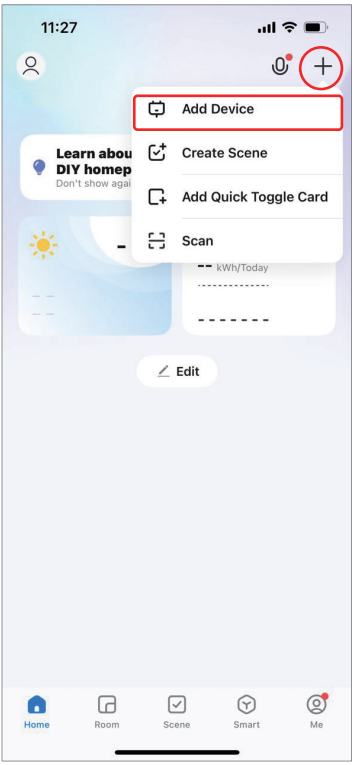
6. Tap “ Done” to complete the setting and return to the device lists page.

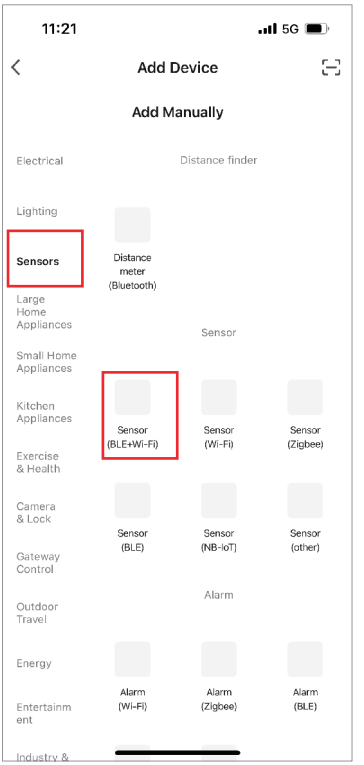
Second way:

1. Turn on your smartphone’s Bluetooth and Wi-Fi.
2. Open the “ Smart Life APP ” and log in your registered account.
3. For the display console, Press and hold ⑭【/BARO/-】button over 3 seconds, the LCD display of the console will show the letter “ AP” that it has entered into the pairing mode. At this time it will be ready for the Wi-Fi settings to be adjusted.

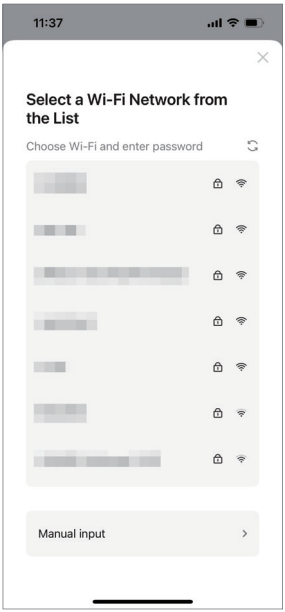


4. Inside the device lists page of Smart Life App, tap “ Add device ” or “+”. Select “Sensors ” >Sensor (BLE+Wi-Fi) .

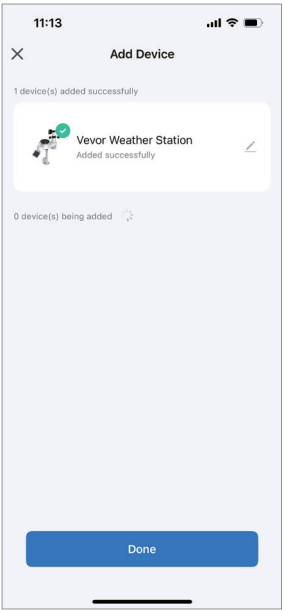




5. Select 2.4GHz Wif-Fi network, and enter the password(Only 2.4GHz WiFi is supported), waiting for connecting to be 100%. Ensure that the display console “ Weather station ” is added successfully.







Note : Make sure the weather station is always connected to the power adaptor for WIFI function. Otherwise, if power adaptor is not plugged, all WIFI functions will be disabled.

6. Tap “ Done” to complete the setting and return to the device lists page.

WI-FI CONNECTION STATUS

When the display console successfully connects to your Wi-Fi router, the Wi-Fi signal will appear on the LCD display. If the Wi-Fi signal is not stable or the display console is trying to connect to the router, the icon will flash. If the icon disappears, it means the display console is not connected to the Wi-Fi router.

	
Flashing: the display console is attempting to connect to your wireless router.	Solid: the display console has been connected to your wireless router.

Note : If you own a dual band router (2.4GHz and 5.0GHz), make sure you connect to the 2.4GHz band, otherwise it will fail to connect the weather station to Wi-Fi.

TIME SERVER CONNECTION STATUS

After the display console has connected to the internet, it will attempt to connect to the internet time server to obtain the UTC time. Once the connection succeeds and the display console's time has been updated. The icon "**SYNC**" will appear on the LCD.

To display the correct time for your specific time zone, you will need to change the time zone in the **CLOCK** setting mode from 00 to your time zone (eg.GMT+1). If you don't know your time zone, you can look it up online or table 1 about time zones around the world.

TIMEZONE (TIME OFFSET)

Based on the number of hours from Coordinated Universal Time, or Greenwich Mean Time (GMT). Location in the eastern hemisphere are positive, and locations in the western hemisphere are negative.
Note:
In order to get the correct local time, please setup the corresponding time zone of your location.
The following table summarizes time zones around the world:

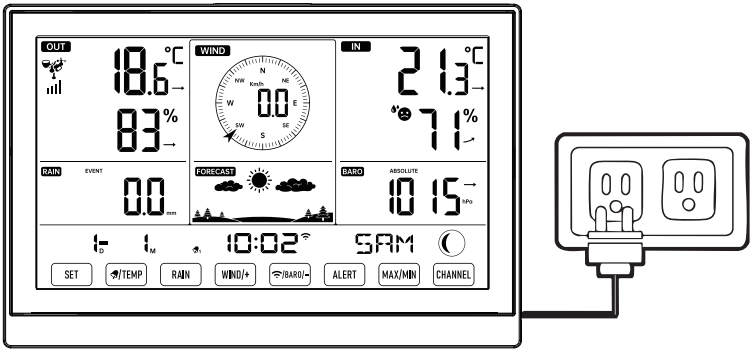
Hours from GMT	Time Zone	Cities
-12	IDLW:International Date Line West	---
-11	NT: Nome	Nome, AK, USA
-10	AHST: Alaska-Hawaii Standard CAT: Central Alaska HST: Hawaii Standard	Honolulu, HI, USA
-9	YST: Yukon Standard	Yukon Territory
-8	PST: Pacific Standard	Los Angelas, CA, USA
-7	MST: Mountain Standard	Denver, CO, USA
-6	CST: Central Standard	Chicago, IL, USA
-5	EST: Eastern Standard	New York, NY, USA
-4	AST: Atlantic Standard	Caracas, Venezuela
-3.5	Newfoundland Time (NT)	Newfoundland, Canada
-3	---	Sao Paulo, Brazil
-2	AT:Azores	Azores, Cape Verde Islands
-1	WAT: West Africa	---
0	GMT: Greenwich Mean	London, England

Hours from GMT	Time Zone	Cities
	WET: Western European	
1	CET: Central European	Paris, France
2	EET: Eastern European	Athens, Greece
3	BT: Baghdad	Moscow, Russia
3.5	Iran Standard Time (IRST)	Tehran, Iran
4	---	Abu Dhabi, UAE
5	---	Tashkent, Uzbekistan
5.45	Nepal Standard Time	Nepal
5.5	Indian Standard Time (IST)	India
6	---	Astana, Kazakhstan
7	---	Bangkok, Thailand
8	CCT: China Coast	Beijing, China
9	JST: Japan Standard	Tokyo, Japan
9.5	Australian Central Standard Time (ACST)	Adelaide, Australia
10	GST: Guam Standard	Sydney, Australia
11	---	Magadan, Russia
12	IDLE: International Date Line East NZST: New Zealand Standard	Wellington, New Zealand

Table 1 Summary of time zones around the world

OPERATING INSTRUCTIONS

Note : Make sure the weather station is always connected to the power adaptor for WIFI function. Otherwise, if power adaptor is not plugged, all WIFI functions will be disabled.



CLOCK

Setting the Clock

In Normal time display, press and hold ⑩【**SET**】over 2 seconds to enter time setting mode. Press and release ⑬【**WIND/+**】and ⑭【/**BARO/-**】to adjust the values. Hold ⑬【**WIND/+**】and ⑭【/**BARO/-**】over 2 seconds to adjust the values rapidly.

Press and release ⑩【**SET**】to confirm and move to the next item. To exit the setting mode at any time, press ⑱【**LIGHT/SNOOZE**】button.

Setting Order

1. Keytone beep sound On/Off	2. Internet time sync On/Off	3. Language
4. Time Zone	5. DST On/Off	6. M-D/D-M Format
7. Year	8. Month	9. Date
10. 12/24 Hour Format	11. Hour	12. Minute
13. Temperature Unit	14. Pressure Unit	15. Relative Pressure Calibration
16. Rainfall Unit	17. Wind Speed Unit	18. Hemisphere
19. End of setting		

1.) Press and hold (10)【SET】button entering the settings. BEEP ON flashes. Press (13)【WIND/+】or (14)【/BARO/-】to set the key tone beep sound on/off. Press (10)【SET】to select NTP on/off.

2.) When NTP ON flashes, press (13)【WIND/+】or (14)【/BARO/-】to set the internet time sync on/off. Press (10)【SET】to select Language .

Note : When internet time sync is set on, the time will be synchronized with GMT through internet UTC time server.
When internet time sync is set off, the time will NOT be sychronized to the internet time.

3.) When Language flashes, press (13)【WIND/+】or (14)【/BARO/-】to change weekday languages. Press (10)【SET】to select time zone.

NOTE : There are total 8 languages for weekday display.
(ENG = English, GER = German, FRE = French, SPA = Spanish, ITA = Italian, DAN = Danish, DUT = Dutch, RUS = Russian)

4.) When Time Zone flashes, press (13)【WIND/+】or (14)【/BARO/-】to set time zone. Press (10)【SET】to select DST on/off.

Note: The default time zone is GMT-00.
To find your time zone settings, please refer to table 1.

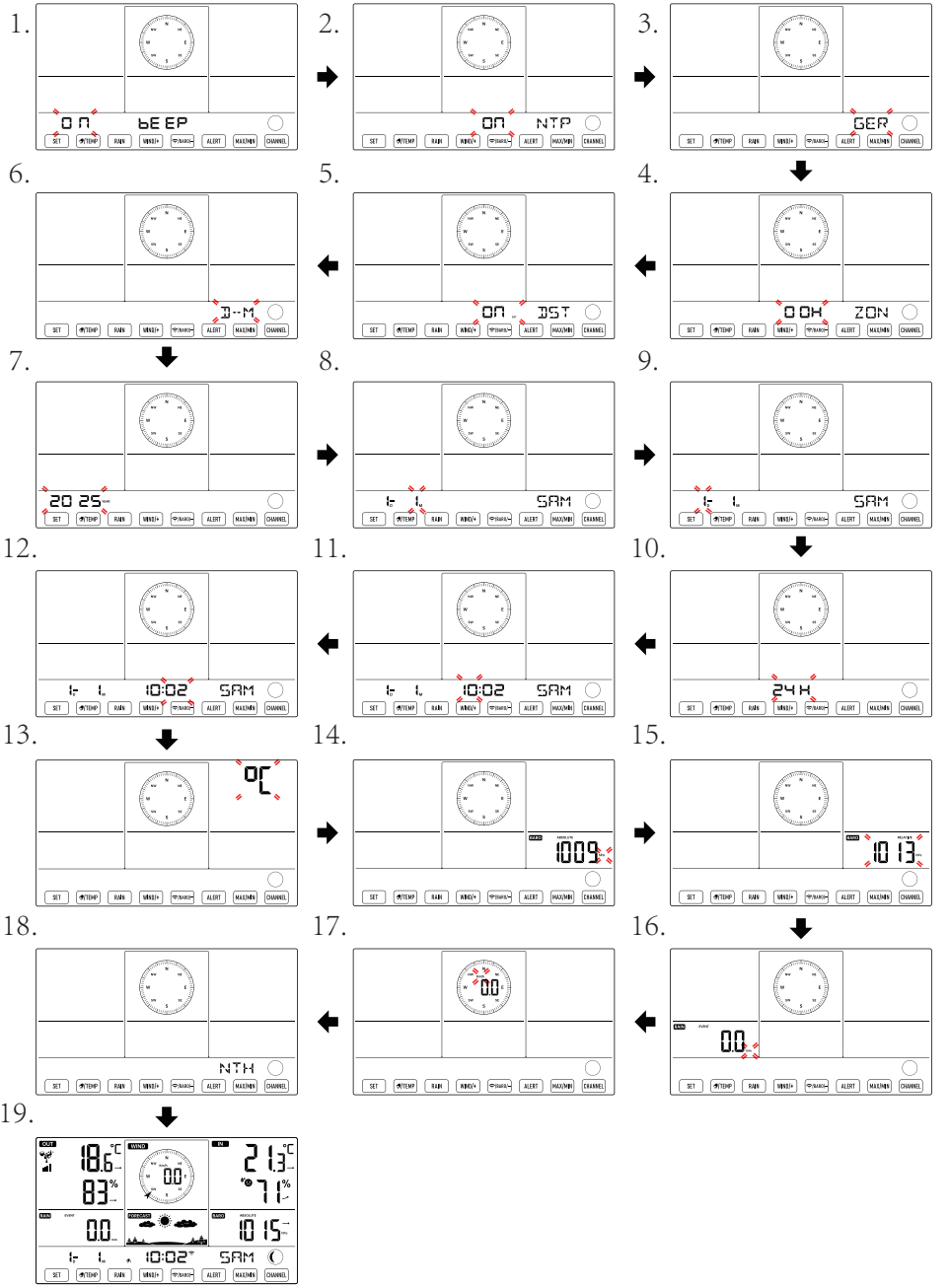
5.) When DST ON flashes, press (13)【WIND/+】or (14)【/BARO/-】to change between DST on and DST off. Press (10)【SET】to select date format.

6.) When M--D flashes, press (13)【WIND/+】or (14)【/BARO/-】to switch between M-D and D-M date format. Press (10)【SET】to select year.

7.) When year flashes, press (13)【WIND/+】or (14)【/BARO/-】to adjust the calendar year. Press (10)【SET】to select month.

8.) When month flashes, press (13)【WIND/+】or (14)【/BARO/-】to adjust the calendar month. Press (10)【SET】to select date.
9.) When Day flashes, press (13)【WIND/+】or (14)【/BARO/-】to adjust the calendar day. Press (10)【SET】to select 12/24-hour format.
10.) When 12 H flashes, press (13)【WIND/+】or (14)【/BARO/-】to change between 12 hour and 24 hour format. Press (10)【SET】to select hour.
11.) When hour flashes, press (13)【WIND/+】or (14)【/BARO/-】to adjust the hour. Press (10)【SET】to select minute.
12.) When minute flashes, press (13)【WIND/+】or (14)【/BARO/-】to adjust the minute. Press (10)【SET】to select temperature unit.
13.) When °F flashes, press (13)【WIND/+】or (14)【/BARO/-】to change between °F and °C. Press (10)【SET】to select pressure unit.
14.) When pressure unit flashes, press (13)【WIND/+】or (14)【/BARO/-】to change between hPa, inHg and mmHg. Press (10)【SET】to select relative pressure calibration.
15.) When Relative Pressure flashes, press (13)【WIND/+】or (14)【/BARO/-】to adjust the relative pressure. Press (10)【SET】to select rainfall unit.
16.) When Rain unit flashes, press (13)【WIND/+】or (14)【/BARO/-】to change unit between in and mm. Press (10)【SET】to select windspeed unit.
17.) When Wind speed unit flashes, press (13)【WIND/+】or (14)【/BARO/-】to change unit between in and mm. Press (10)【SET】to select hemisphere.
18.) When NTH flashes, press (13)【WIND/+】or (14)【/BARO/-】to change hemisphere between NTH (northern) and STH (southern). Press (10)【SET】to save and exit the setting. It will return to the normal mode display.

NOTE: If there is no valid operation within 20 seconds, it will automatically return to the normal display mode from the setting mode. While adjusting settings, you can press ⑯【LIGHT/SNOOZE】button to return to normal display mode.



Moon Phase

The display console calculates the moon phase according to your time, date, and time zone.

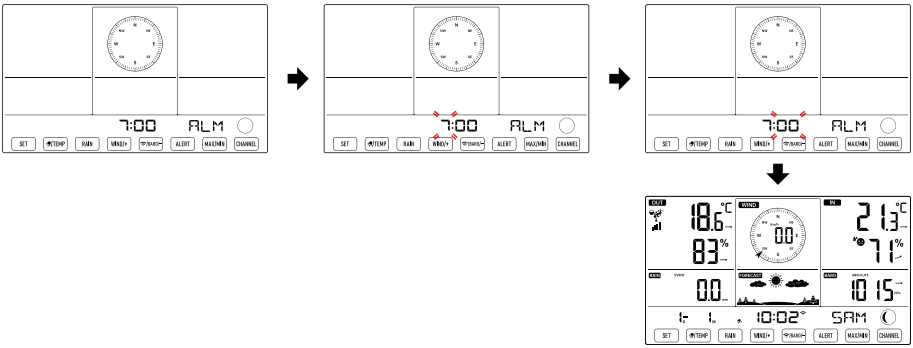
The table below explains the corresponding phases and their icons for both the Northern and Southern hemispheres.

Northern Hemisphere Icons	Moon Phase	Southern Hemisphere Icons
	New Moon	
	Waxing Crescent Moon	
	First Quarter Moon	
	Waxing Gibbous Moon	
	Full Moon	
	Waning Gibbous Moon	
	Third Quarter Moon	
	Waning Crescent Moon	

Setting the Alarm

- In normal time display, press (8)【**SET**】button to switch display alarm time (alarm time mode).
- In alarm time display, press and hold (8)【**SET**】button over 2 seconds to enter alarm setting mode. Hour of alarm starts to flash.
- Press (11)【**WIND/+**】or (12)【**/BARO/-**】button to set required alarm hours. Hold (11)【**WIND/+**】or (12)【**/BARO/-**】button to adjust alarm hours quickly.
- Press (8)【**SET**】button to select minute of Alarm. Minute of alarm starts to flash.
- Press (11)【**WIND/+**】or (12)【**/BARO/-**】button to set required alarm minutes. Hold (11)【**WIND/+**】or (12)【**/BARO/-**】button to adjust alarm minutes quickly.
- Press (8)【**SET**】button to save all settings and exit to normal display mode.

NOTE: If there is no valid operation within 20 seconds, it will automatically return to the normal display mode from the setting mode. While adjusting settings, you can press (16)【LIGHT/SNOOZE】button to return to normal display mode.



Deactivate/Activate Alarm

- In alarm time display, press ⑨【/TEMP】button to select the Alarm on or off.
- If the alarm is on, its corresponding alarm icon will be shown on the display.
- When the alarm is ringing, press any buttons except ⑯【LIGHT/SNOOZE】button to stop the alarm signal. It is not necessary to reactivate the alarm. It will ring again this time next day.

Snooze Function

When the alarm rings, press ⑯【LIGHT/SNOOZE】button to pause the alarm. The snooze indicator icon Z^z keeps flashing. The alarm will resume after 5 minutes.

TEMPERATURE

Temperature/Humidity Trend

Tendency arrows allow you to quickly determine of temperature and humidity are rising and falling in a one-hour update period.

Temperature Trend

Temperature has risen > 1°C/2°F in the past hour	Temperature has not changed more than 1°C/2°F in the past hour	Temperature has fallen < 1°C/2°F in the past hour
↗	→	↘

Humidity Trend

Humidity has risen > 3% in the past hour	Humidity has not changed more than 3% in the past hour	Humidity has fallen < 3% in the past hour
↗	→	↘

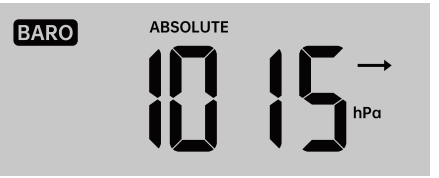
Indoor Comfort Index

The indoor comfort displays a pictural representation based on the indoor air temperature and humidity levels to determine the approximate comfort level.

Too cold	Comfortable	Too hot

PRESSURE

Barometer Pressure Display



In normal mode, press ⑫【/BARO/-】button switch between absolute and relative pressure.

Absolute	The absolute atmospheric pressure of your location.
Relative	The relative atmospheric pressure based on the sea level.

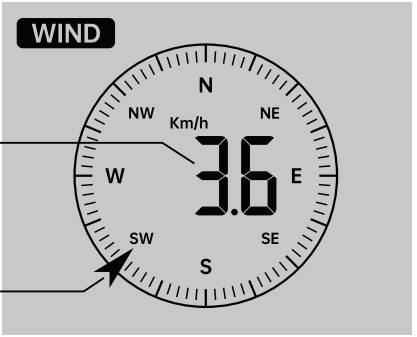
Pressure Trend

Tendency arrows allow you to quickly determine if pressure is rising or falling in a one-hour update period.

Pressure has risen > 2hpa/0.06inHg in the past hour	Pressure has not change more than 2hpa/0.06inHg in the past hour	Pressure has fallen > 2hpa/0.06inHg in the past hour
↗	→	↘

WIND

Wind Display



Selecting Wind Display Mode

In normal display mode, press ⑪【**WIND/+**】button to switch between current average wind speed, gust wind speed and wind direction.

RAIN

Rainfall Display



The Rainfall shows information regarding the rainfall and rain rate.

Select the Rainfall Display Mode

In normal display mode, press ⑩【**RAIN**】button to switch between Rain Rate, Rain Event, Rain Hourly, Rain Daily, Rain Weekly, Rain Monthly and Rain Total.

Increments of Rain Definition

Rain Rate: Current rainfall rate in the past hour.

Rain event: Continuous rain, and resets to zero if rainfall accumulation is less than 10mm (0.039 in) in a 24-hour period.

Hourly Rain: Rainfall in a hour.

Daily Rain: Total rainfall since midnight (00:00)

Weekly Rain: Total rainfall for the current calendar week, and resets on Sunday morning at midnight (Sunday thru Saturday)

Monthly Rain: Total rainfall for the current calendar month, and reset on the first day of the Month.

Total Rain: Total rainfall since the last reset.

Reset the Total Rainfall Record

In normal display mode, press and hold ⑩【**RAIN**】button over 2 seconds to reset the rain record.

NOTE:
Resetting the weekly rain also resets the daily rain.
Resetting the monthly rain also resets the daily and weekly rain.
Resetting the total rain also resets the monthly, weekly and daily rain.

WEATHER

Weather Index

When reading the Weather Index display, you can press ⑨【/**TEMP**】button to cycle through different weather indexes in the following order:
Feels Like > Heat Index > Wind Chill

Feels Like

The Feels Like temperature index determines what temperature it actually feels like outside, taking into account factors like wind speed, pressure, temperature and humidity.

Wind Chill

Wind Chill is determined by a combination of the wireless weather sensor's temperature and wind speed data.

NOTE:
Only when the temperature is below 50°F(10°C) and the wind speed is over 4.8km/h (3mph), will display the wind chill value, otherwise it will display " --.-".

Heat Index

The Heat Index is determined by the wireless weather sensor's temperature and humidity readings.

Dew Point

The dew point is the temperature at which a given parcel of humidity air must be cooled, at constant barometric pressure, for water vapor to condense into water. The condensed water is called dew. The dew point is a saturation temperature.
The Dew Point temperature is determined by the temperature and humidity data from the wireless weather sensor.

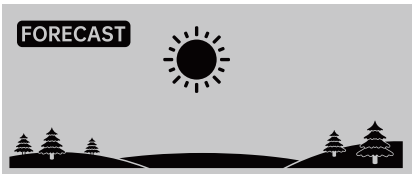
Weather Forecast

The weather station generates a short-term weather forecast for the upcoming 12 hours based on barometric pressure trends. Of course, this forecast cannot compare with those produced by professional meteorological services, which are backed by satellite data and high-performance computing systems. It provides only an approximate

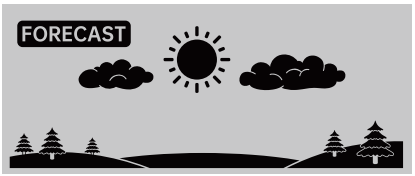
indication of the current weather development in a small local area. Please take the weather forecast from your local weather forecasting service into account as well as the forecast from your weather station. If there are discrepancies between the latter as authoritative.

Note that the weather station requires 7–10 days of barometric pressure calibration before its forecasts stabilize, with a subsequent accuracy rate of 65%–70%.

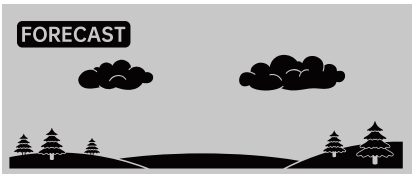
The weather station displays the following weather icon:



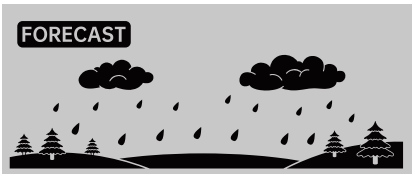
Sunny



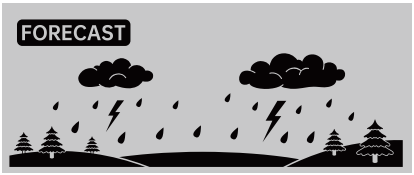
Partly Cloudy



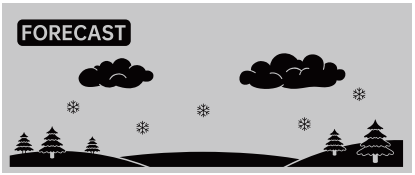
Cloudy



Rainy



Stormy



Snowy

NOTE:

The snowy icon will appear if the outdoor temperatue is below 0°C (32°F) and the forecast would be rainy or stromy.

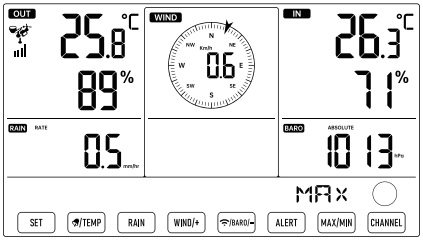
Ice Alert

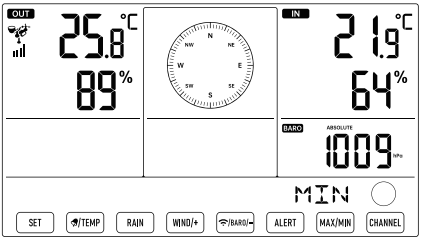
When outdoor temperature is lower than 1°C/33.8°F, the snowflake icon ❄! will appear on the LCD display.

MAX/MIN

In normal display mode, press ⑭【**MAX/MIN**】button switching between maximum and minimum value.

NOTE: If there is no valid operation within 10 seconds, it will automatically return to the normal display mode.





To View the Accumulated MAX/MIN

● Display Feel like, Wind Chill, Heat Index, Dew Point Max/Min Values.

1.) When the max values are displayed, press ⑨【/**TEMP**】button to interchange viewing the Outdoor temperature → Feel like → Wind Chill → Heat Index → Dew Point → Outdoor temperature.

2.) When the min values are displayed, press ⑨【/**TEMP**】button to interchange viewing the outdoor temperature → Feel like → Wind Chill → Heat Index → Dew Point → Outdoor temperature.

● Display Wind Speed, Wind Gust Max Values.

When the max values are displayed, press ⑪【**WIND/+**】button to interchange viewing between the AVERAGE and GUST wind speeds.

● Display Rain Rate, Daily Rain, Weekly Rain and Monthly Rain Max Values.

When the max values are displayed, press ⑩【**RAIN**】button to interchange viewing Rain Rate → Daily Rain → Weekly Rain → Monthly Rain.

● Display Absolute and Relative pressure Max/Min Values.

1.) When the max values are displayed, press ⑫【/**BARO/-**】button to interchange viewing between Absolute and Relative pressure.

2.) When the min values are displayed, press ⑫【/**BARO/-**】button to interchange viewing between Absolute and Relative pressure.

● Display indoor and other channels sensor temperature & humidity Max/Min values.

1.) When the max values are displayed, press ⑮【CHANNEL】 button to interchange viewing indoor and paired outdoor sensor(s) temperature and
2.) humidity.
When the min values are displayed, press ⑮【CHANNEL】 button to

NOTE: If other channel sensors were paired, it could show the other channel's max/min temperature and humidity values. If other channel sensors were not paired, it would only show current indoor max/min temperature and humidity values.

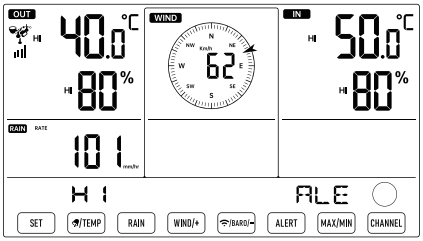
To Clear the MAX/MIN Data Record

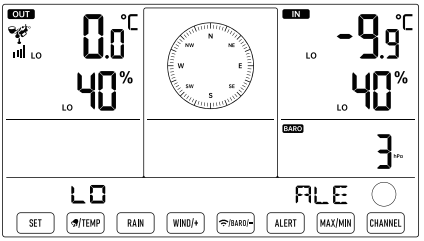
- To clear the max value, press and hold ⑭【MAX/MIN】 button over 2 seconds while max values are displayed.
- To clear the min value, press and hold ⑭【MAX/MIN】 button over 2 seconds while min values are displayed.

HI/LO ALERT SETTING

To View the Alert Setting

- In normal display mode, press ⑬【ALERT】 button switching between Hi alert and Low alert setting value.





To Set the Alert

- In normal display mode, press and hold ⑬【ALERT】 button over 2 seconds to enter the alert setting mode.
- Press ⑪【WIND/+】 and ⑫【/BARO/-】 button to adjust the value up or down, then press ⑨【/TEMP】 button to turn on/off the alert.
- Press ⑬【ALERT】 button to confirm and jump to next setting.
- The icon HI or LO will display when the alert is on.



High/Low Alert on



High/Low Alert off

- To exit the alert setting mode at any time, press ⑯【LIGHT/SNOOZE】 button.The Hi/Lo alert setting order is shown below:

Alert Setting Order	Setting Range	Display Section	Default
Indoor Temperature Hi Alert	-9.9℃ – 50℃ (-14.1℉ – 122℉)	Indoor temperature & Humidity	50℃ (122℉)
Indoor Temperature Lo Alert			-9.9℃ (14.1℉)
Indoor Humidity Hi Alert	1% – 99%		80%
Indoor Humidity Lo Alert			40%
Outdoor Temperature Hi Alert	-40℃ – 70℃ (-40℉ – 158℉)	Outdoor temperature & Humidity	40℃ (104℉)
Outdoor Temperature Lo Alert			0℃ (32℉)
Outdoor Humidity Hi Alert	1% – 99%		80%
Outdoor Humidity Lo Alert			40%

Alert Setting Order	Setting Range	Display Section	Default
High Average Wind Speed Alert	0 – 50m/s 2 – 180 km/h 1 – 111mph 1 – 97 knots 0-60 bft	Wind Speed	17m/s 62km/h 38mph 33 knots 20bft
High Wind Gust alert	0 – 50m/s 2 – 180 km/h 1 – 111mph 1 – 97 knots 0-60 bft	Wind Speed	17m/s 62km/h 38mph 33 knots 20bft
Pressure Drop Alert	1 hpa – 10hpa 0.03~0.3 inHg 0.7~7.5mmHg	Barometer drop	3hpa 0.09inHg 2.2mmHg
High Rain Rate alert	1mm/hr – 1000mm/hr (0.04 in/hr – 39 in/hr)	Rainfall Rate	101mm/hr (4 in/hr)
High Daily Rain alert	1mm – 1000mm (0.03 in – 39.37 in)	Rainfall Rate	101mm (4 in)

To Silence the Hi/Lo Alert Alarm

Press the ⑯【LIGHT/SNOOZE】 button on top of the display console to silence the alarm, or it will automatically turn off after one minute.

NOTE: Once the alert is triggered, the alarm will sound for one minute and the associated alert icon and weather readings will flash. If the alert alarm automatically shuts off after one minute instead of being manually shut off, the associated alert icon and readings will continue flashing until the reading is out of the alert range.
The weather alert alarm will go off once the readings fall into alert range again.

BACKLIGHT

Display Backlight

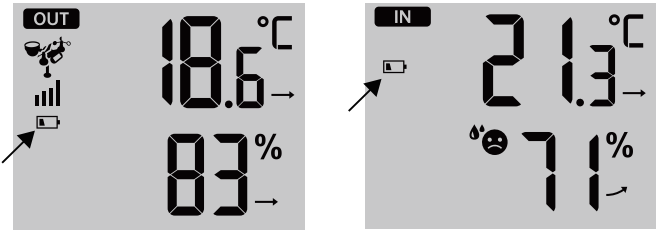
With AC Adapter

The backlight can only be continuously on when the AC adapter is permanently on. When the AC adapter is disconnected, the backlight can be temporarily turned on.

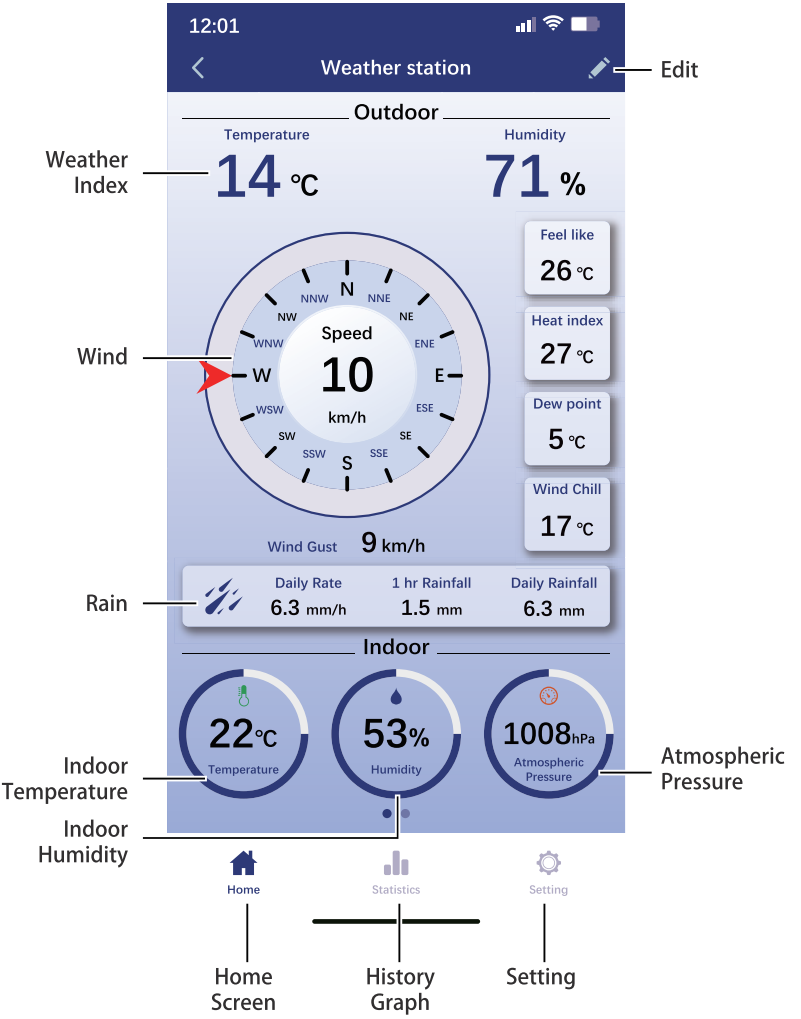
- Press ⑯【**LIGHT/SNOOZE**】button to adjust the backlight brightness, High, Low and Without AC Adapter.
- Press ⑯【**LIGHT/SNOOZE**】button temporarily turn on the backlight for 15 seconds.

LOW BATTERY INDICATOR

If the low battery indicator icon is displayed in the outdoor temperature and humidity section or the corresponding CH section of the LCD console display, this indicates that the batteries in your wireless weather sensor(s) are running low and should be replaced. Make sure to replace all batteries at the same time.



WEATHER STATION APP HOME PAGE



HOME SCREEN

Home Screen

Tap to enter the page to display current Indoor weather data (Temperature, Humidity & Atmospheric pressure) , Outdoor weather data (Weather Index, Rain, Wind, Rain, Light Intensity & UV Index).

History Graph

Tap to enter the page to display the History graph of the indoor & outdoor weather data.

Setting

Tap to enter the page to display General Setting.

Weather Information

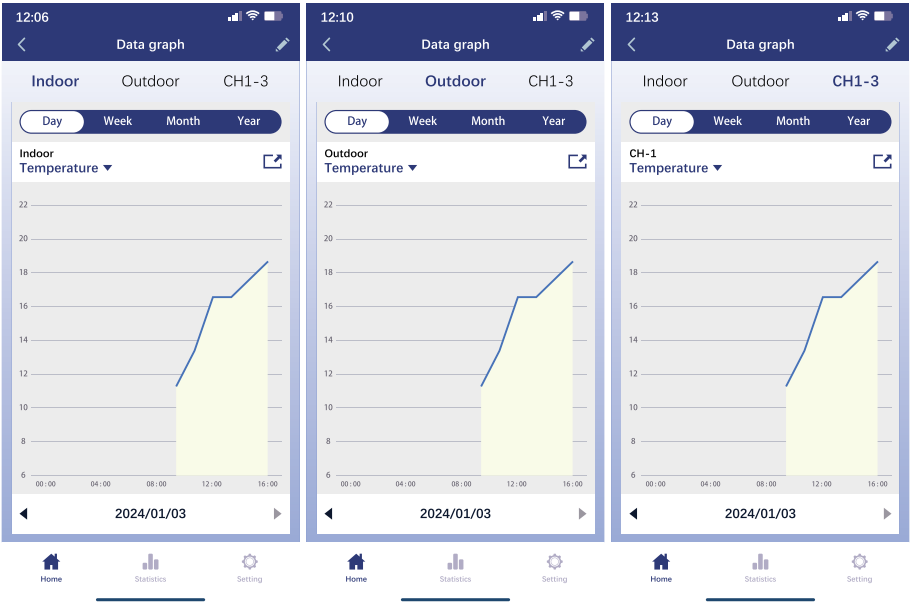
Tap to display current Indoor and outdoor enter the page to display current weather information and 7-day weather forecasting.

Edit

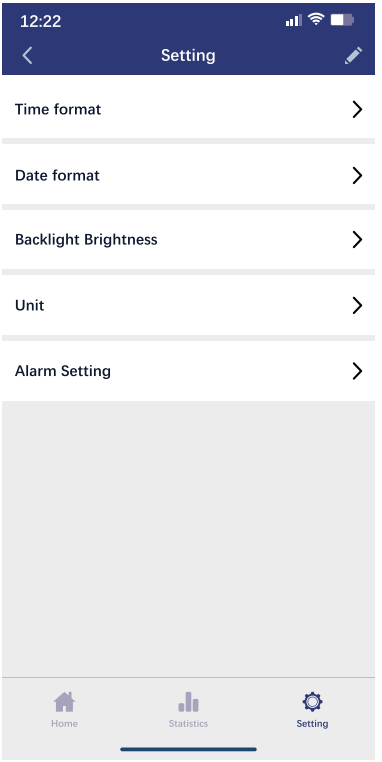
Tap to enter the page to display Device information, and change the name of the device.

HISTORY GRAPH

Tap to enter the page to display history graph of indoor and outdoor weather data.



SETTING



Hour Format Setting

Tap to set up the time hour format between 12-hour and 24-hour mode of the display console.

Date Format Setting

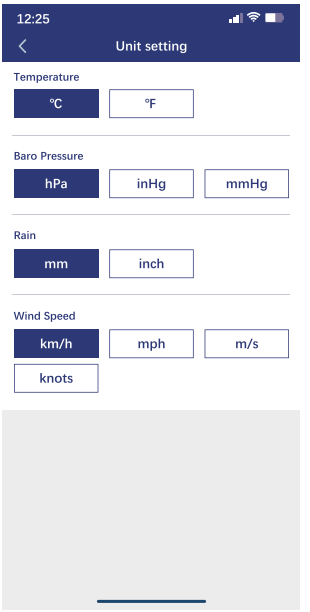
Tap to set up the data format between DD/MM and MM/DD mode of the display console.

Backlight Brightness Setting

Tap to set up the backlight brightness of the display console.

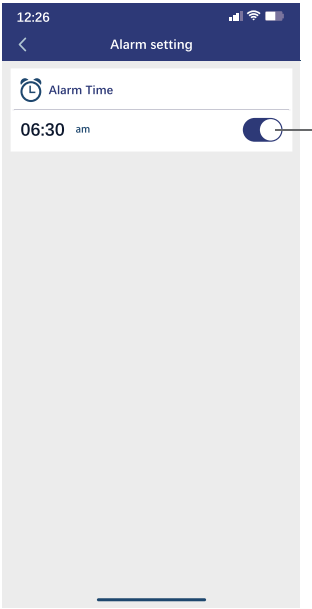
Unit Setting

Tap to set up the unit display of the display console.



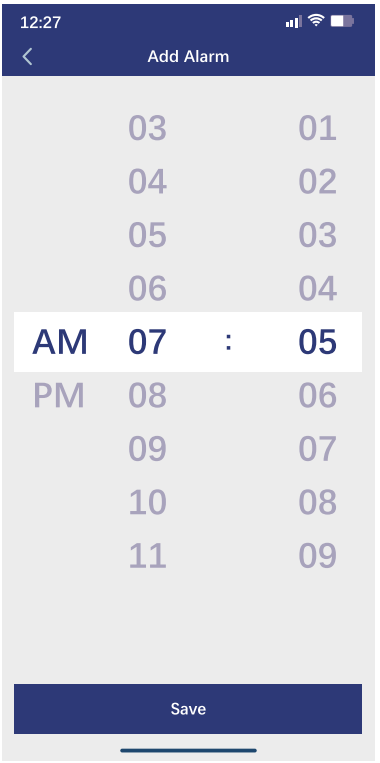
Alarm time setting

Tap to set up the daily alarm function of the display console.



Slide the switch to turn the daily alarm on or off.

Set up the daily alarm time of the console, and then press “ SAVE ” to confirm.

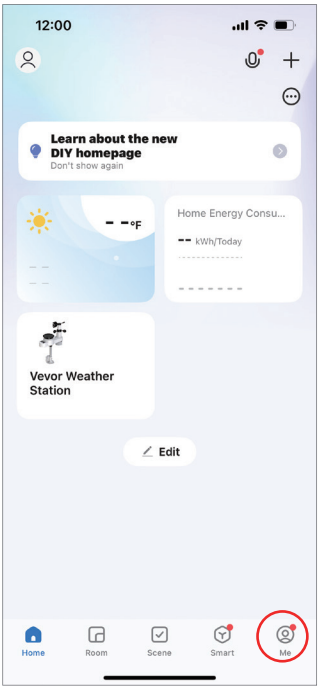


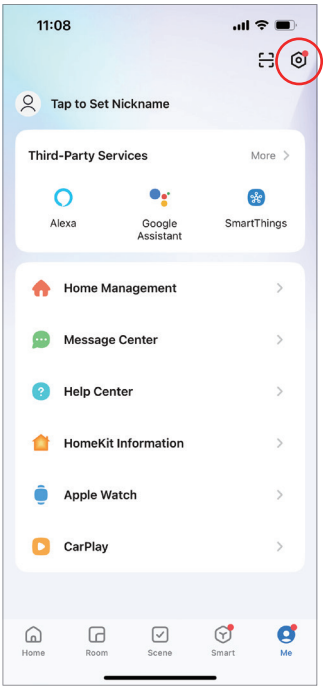
Smart Life APP language display

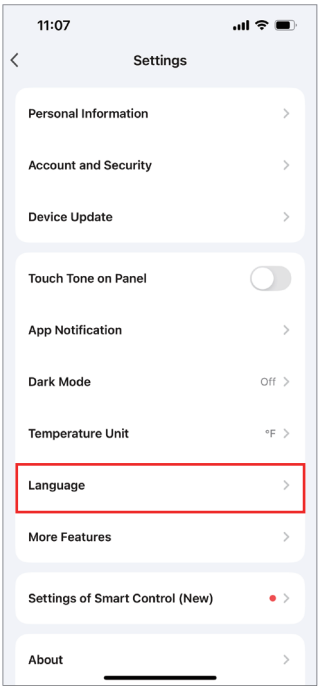
To change the APP language display, please follow below sequence.

1.) Tap the “Me” into Smart Life APP, then.
2.) Tap the “Setting” and select “Language”.
3.) Select the required language.

There are 6 languages which is available APP display --- English, Français, Español, Deutsch, Português, Italiano and Same as the system language (Android only).


12:00
Learn about the new DIY homepage
Don't show again
Home Energy Consu...
kWh/Today
Vevor Weather Station
Edit
Home
Room
Scene
Smart
Me


11:08
Tap to Set Nickname
Third-Party Services
More
Alexa
Google Assistant
SmartThings
Home Management
Message Center
Help Center
HomeKit Information
Apple Watch
CarPlay
Home
Room
Scene
Smart
Me


11:07
Settings
Personal Information
Account and Security
Device Update
Touch Tone on Panel
App Notification
Dark Mode
Off
Temperature Unit
°F
Language
More Features
Settings of Smart Control (New)
About


11:08
Language
English
简体中文
繁體中文
español
français
Deutsch
português
italiano
русский язык
العربية
日本語
한국어
Español (latinoamérica)

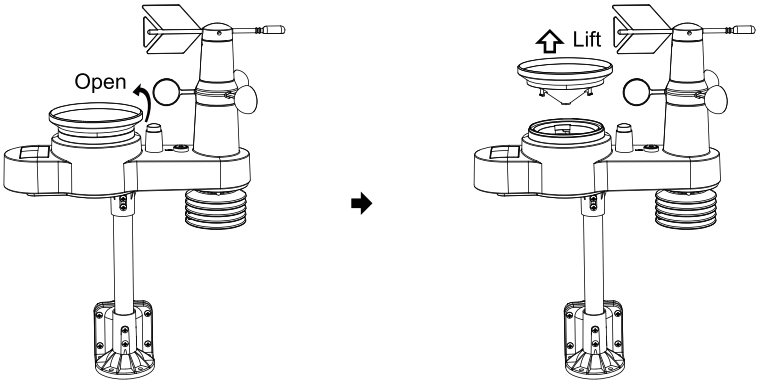
FACTORY RESTART

If there is malfunction, the Factory Restart is a great way to return your station to "out of the box" condition.

1.) Remove all power (batteries and AC adapter) from outdoor sensors and weather station.
2.) Follow the operation “**SETTING UP THE WEATHER STATION**” to start the pair the sensor.

CARE AND MAINTENANCE

1.) Clean the rain gauge every 3 months. Rotate the funnel counterclockwise and lift to expose the rain gauge mechanisms, and clean with a damp cloth. Remove any dirt, debris, and insects. If bug infestation is an issue, spray the sensor lightly with insecticide.



2.) Clean the solar panel every 3 months with damp cloth.
3.) When replacing the batteries, apply a corrosion preventive compound on the battery terminals.

SPECIFICATION

WEATHER STATION	
General Specifications	
Dimension	191.6 x 127 x 28.8mm (7.5 x 5 x 1.1inch)
Power source	AC-DC 5V, 1A adapter (included)
Battery	3 x AAA battery (not included)
Support sensors	1 x 5-in-1 sensor (included)
Wi-Fi Communication Specification	
Wi-Fi Standard	802.11 b/g/n
Wi- Fi operation frequency	2.4GHz
Time Function Specifications	
Time display	HH : MM
Hour format	12 hour or 24 hour
Date display	DD/MM or MM/DD
Time synchronization method	Synchronizes with atomic clock
Time zones	GMT ±12
DST	ON/OFF
Barometer Display & Function Specifications	
Barometer units	hPa, inHg and mmHg
Measuring range	600 – 1100 hPa (relative setting range 930 – 1050hPa)
Accuracy	700 -1100 hPa±5 hPa/600 -696 hPa±8 hPa 20.67 – 32.48 inHg±0.15 inHg/17.72 -20.55inHg ±0.24 inHg 525 -825 mmHg±3.8 mmHg/450 -522 mmHg±6 mmHg Typical at 25℃ (77℉)
Weather forecast	Sunny, Partly Cloudy, Cloudy, Rainy, Stormy and Snowy
Display mode	Current
Memory mode	Daily Max/ Min
Alert	Pressure change alert

Indoor/Outdoor Temperature Display & Function Specifications	
Temperature unit	℃ and ℉
Indoor Display range	-9.9℃ – 50℃(-14.1℉ – 122℉)
Outdoor Display range	-40℃ – 70℃(-40℉ – 158℉)
In/Out accuracy	10 – 50℃ ± 1℃ / 50 – 122℉ ± 1.8℉ -20 – 10℃ ± 1.5℃ / -4 - 50℉ ±2.7℉ others : ±2℃ / ±3.6℉
Display mode	Current
Memory mode	Daily Max/ Min
Alert	High/Low temperature alert
Indoor/Outdoor Humidity Display & Function Specifications	
Humidity unit	%
Display range	1 – 99%
In/Out accuracy	40 – 80% RH ± 5% RH @25℃(77℉) Others : ± 8% RH @25℃(77℉)
Display mode	Current
Memory mode	Daily Max/ Min
Alert	High/Low humidity alert
Wind Speed and Direction Display & Function Specifications	
Wind Speed unit	mph, m/s, km/h, knots
Display range	0 -112mph, 50m/s, 180km/h, 97 knots
Speed accuracy	<5m/s: ±0.5m/s, >5m/s : ±10% (whichever is greater)
Display mode	Gust/Average
Memory mode	Daily Gust/Average
Alert	High Wind Speed Alert (Gust/Average)
Wind direction	16 directions
Rain Display & Function Specifications	
Unit of rainfall	mm, in
Range of rainfall	0 – 12999mm (0 – 511.7 in)
Accuracy of rainfall	±7%
Display mode	Current
Memory mode	Daily Max
Rainfall display mode	Hourly/ Daily/ Weekly/ Monthly/ Total Rainfall
Alert	High Daily Rainfall alert

Weather Index Display & Function Specifications	
Weather Index mode	Feels like, wind chill, heat index and dew point
Display mode	Current
Memory mode	Daily Max/min
WIRELESS 5-IN-1 OUTDOOR SENSOR	
Dimension	361 x 567 x 489mm (14.21 x 13.8 x 19.25 inch)
Main power	3 x AA 1.5V Battery
Backup power	Solar power
Weather data	temperature, humidity, wind speed, wind direction, rainfall
RF frequency	868MHz
RF transmission range	150m (492ft)
Transmission interval	Every 20 seconds for wind speed、temperature, humidity and rain data and wind direction data
Operation temp	-40℃ – 60℃(-40℉ – 140℉)

TROUBLESHOOTING

Problem	Solution
Wireless sensor does not communicate the display console	The wireless sensor may have initiated properly, and the data is registered by the display console as invalid, and the weather statio must be reset. With an open-ended paperclip, press the RESET button for 3 seconds to complete display the voltage. LED will flash every 20 seconds. If LED will not flash every 20 seconds, take out the batteries and wait 5 minute, while covering the solar panel to drain the voltage. Put batteries back in and resync the display console and resync the display console (Refer Page 12 RE-PAIRING SENSOR) with the wireless sensor about 3m (10 feet) away . The LED of the wirless sensor will flash every 20 seconds. If the LED is still not flashing every 20 seconds, replace the new batteries in the wireless sensor. If the batteries were recently replaced, check the polarity. If the wireless sensor is flashing every 20 seconds, proceed to the next step. There may be a temporary loss of communication due to reception loss related to interference or other location factors, Or batteries may have been changed in the wireless sensor and the display console has not been reset. The solution may be as simple as powering down and up the display console (remove DC power and batteries), wait 30 seconds, and reinsert DC power and batteries).
Indoor and Outdoor temperature do not agree	Allow up to one hour for the wireless sensors to stabilize due to signal filtering. The indoor and outdoor temperature sensors should agree within ±2℃ (±4°F) (the sensor accuracy is ±1℃ (±2°F)
Temperature sensor reads too high in the daytime	Make certain that the wireless sensor is not too close to heat generating sources or strictures, such as buildings, pavement, walls, or air conditioning units.

Problem	Solution
Rain gauge reports rain when it is not raining	An unstable mounting solution (sway in the mounting pole) may result in the tipping bucket incorrectly incrementing rainfall. Make sure you have a stable, level mounting solution.
Wi-Fi does not display on the display console	Check your router for problems. 1.) Check Wi-Fi symbol on the display. If wireless connectivity is successful, the Wi-Fi icon will be displayed in the time field. 2.) Make sure your modem Wi-Fi settings are correct (network name, and password) 3.) Make sure the display console is plugged into AC power. The display console will not connect to Wi-Fi when powered by batteries only. 4.) The console only supports and connects to 2.4GHz routers. If your own a 5GHz router, and it is a dual band router, you will need to disable the 5Ghz band, and enable the 2.4GHz band. 5.) The weather does not support guest networks.

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