PROFESSIONAL WEATHER STATION





Features:

- Perpetual Calendar Up to Year 2099
- Automatic calibration of network time service
- Day of week in 15 languages user selectable: English, German, French, Spanish, Italian, Dutch, Danish, Portuguese, Norwegian, Swedish, Polish, Finnish, Czech, Hungarian, and Slovak
- Two daily alarms
- Automatic snooze function (OFF or 5~60min)
- Temperature:
  - — Maximum range of indoor temperature detection display: -20°C (-4°F) to 50°C (122°F)
  - — Maximum range of outdoor temperature detection display: -40°C (-40°F) to 70°C (158°F)
- Humidity:
  - — Maximum range of indoor and outdoor humidity detection display: 20% to 95%
  - — Level 5 indoor and outdoor comfort display - data source temperature and humidity
- Air pressure:
  - — Maximum range of atmospheric pressure measurement display: 600 to 1100 hPa (17.72 to 32.48 inHg or 450 to 825.1 mmHg)
- Rain
  - — Maximum range displayed for rainfall measurement: 0 to 9999mm (0-393.6 inches)
- Wind
  - — Maximum range displayed for wind speed measurement: 0 to 180 km/h (0 to 111 mph)
  - — Maximum range displayed for wind direction measurement: 0 to 359 degrees
  - — Display of 12 Beaufort Wind Scale
- Light and UV index
  - — Maximum range of light intensity measurement display: 0 to 128 klux (0 to 1378 kfc)
  - — Maximum range of UV index measurement display: 0 to 15 level
  - — Level 5 UVI sun exposure level indication
- TVOC
  - —The maximum range displayed for TVOC concentration measurement: 0~9.999 mg/m3
  - — Level 8 TVOC concentration level prompt
- Wireless Outdoor Sensor:
  - — 433.92MHz RF transmitting frequency
  - — 100 meters (300 feet) transmission range in an open area, not including walls or floors.
- Record of temperature, humidity, wind speed, rainfall and Light intensity
- Display of feels like temperature, wind chill temperature, heat index, dew point temperature
- Connects directly to wifi network, connect to Tuya Smart System
- Upload the detected meteorological data (temperature, humidity, wind speed, etc.) to graffiti intelligence, display it on the APP, and perform data statistics curve display
- Level 4 display backlight
- Power Supply:

  Weather station:

  Equipment power input: DC 5V more than 1A (Power cord or power adapter)

Battery: 2 x LR6 AA 1.5V

Multi-combination Wireless Remote Sensor:

Battery:3 x LR6 AAA 1.5V

Temperature | Humidity Wireless Remote Sensor (This sensor is not configured, please purchase separately if needed)

Battery:2 x LR6 AAA 1.5V

F.Y.I.:

The main unit of the weather station can operate at temperatures ranging from 0 °C to+50°C. If the function exceeds the range, it may cause abnormalities. Please use it in this environment

The wireless remote sensor can work at -30°C to +70°C. Please choose the right battery according to the limit temperature of the wireless sensor:

Alkaline zinc manganese battery can work at -20°C to +60°C

Polymer lithium ion rechargeable battery can work at -40°C to +70°C.

Weather Station Appearance



Part A-Positive LCD

A1: Outdoor wireless channel

A2: Outdoor temperature

A3: Outdoor humidity

A4: Outdoor comfort icon

A5: Value of wind speed

A6: Wind direction or gusts or average wind speed

A7: Wind direction steering wheel

A8: Beaufort scale

A9: Rainfall

A10: Time

A11: Day of the week

A12: Calendar

A13: Light intensity

A14: UV index

A15: TVOC Comfort Level

A16: TVOC concentration value

A17: Feels like temperature

A18: Air pressure

A19: Weather forecast

A20: Indoor comfort icon

A21: Indoor humidity

A22: Indoor temperature

Network time Icon

: Wireless receiving icon

: Battery low pressure icon

Alarm 1 icon

Alarm 2 icon

M-F Monday-Friday repeat alarm icon

S-S Saturday-Sunday repeat alarm icon

Alarm snooze icon

Multi-combination wireless sensor icon

: Wireless channel loop icon

WIFI: WIFI icon

:WIFI signal strength indicator

Temperature | humidity | Pressure up trend arrow

Temperature | humidity| Pressure constant trend arrow

Temperature | humidity | Pressure down trend arrow

Part B –Buttons and Exterior

B1: “SNOOZE” touch location

B2: “ALARM” button

B3: “-” button

B4: “CH” button

B5: “+” button

B6: “SET” and “” button

B7: “WIND” button

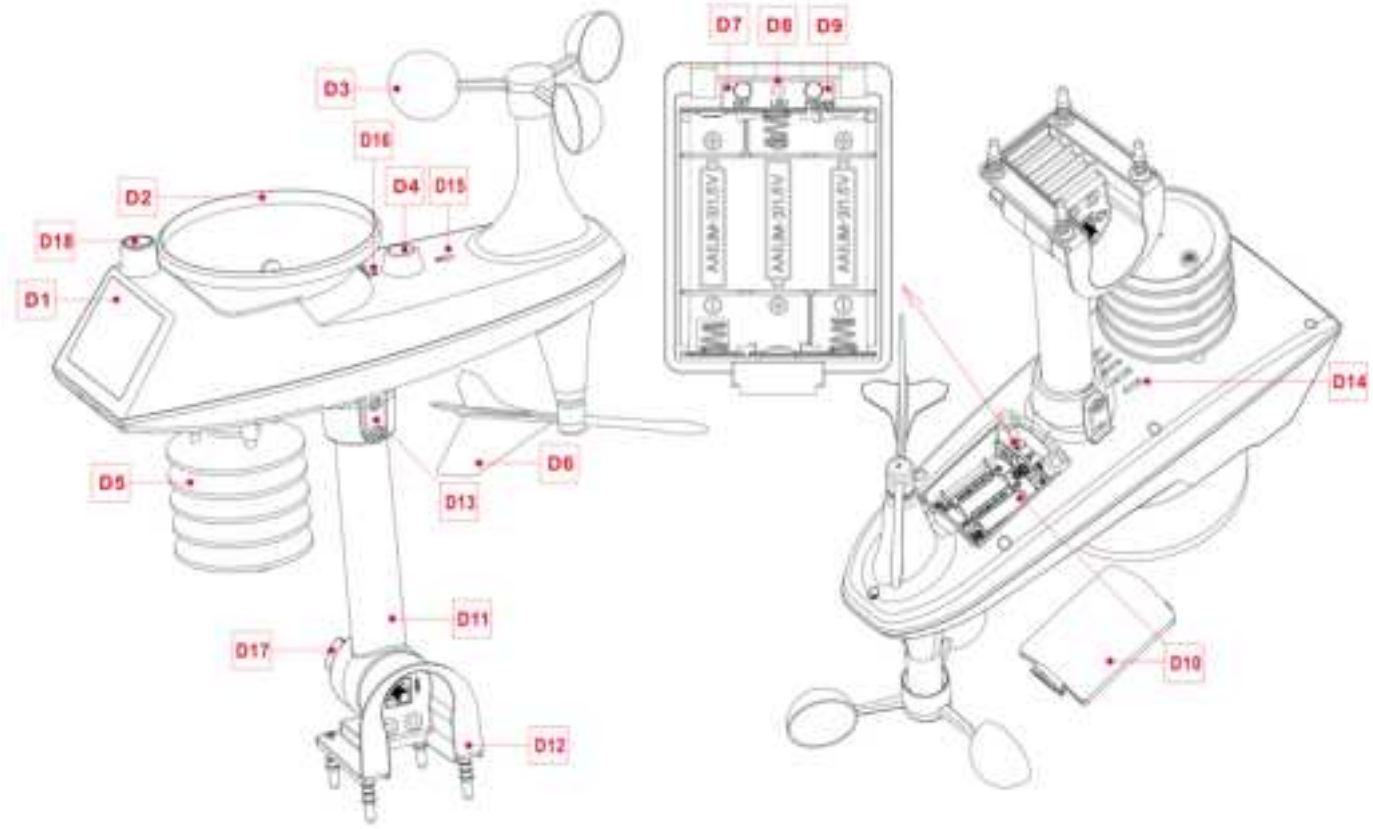
B8: “TVOC” button

B9: “RAIN” button

B10: Battery compartment

B11: Power supply socket

Multi-combination Wireless Remote Sensor Appearance



Part D –Exterior

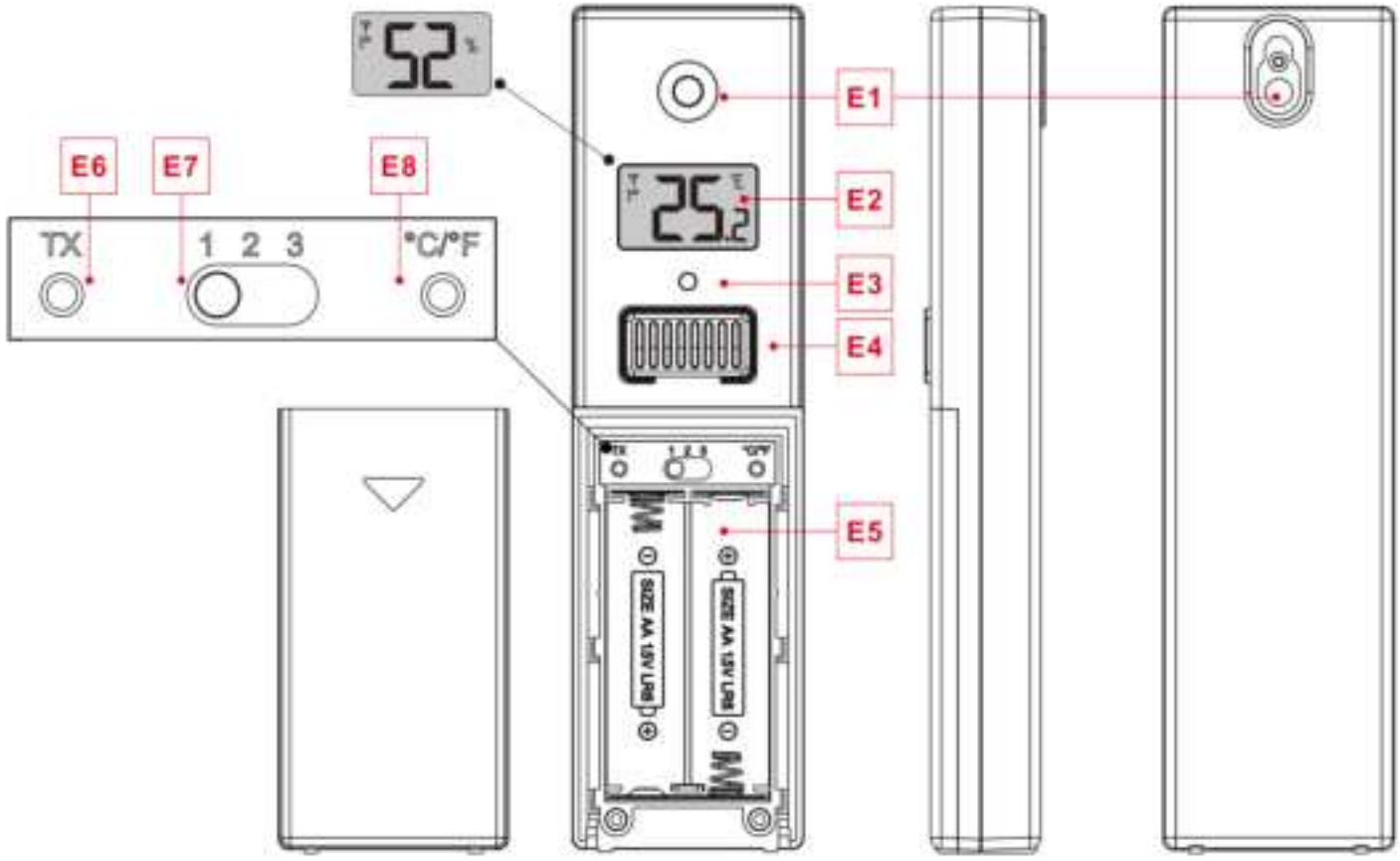
D1: Solar panel

D2: Rain funnel

D3: Wind cups
D4: Bubble level
D5: Temperature | humidity induction box
D6: Wind Directional Vane
D7: Reset button
D8: LED indicator
D9: Manual transmit signal button
D10: Battery compartment
D11: Support rod
D12: Fixed base
D13: Socket head cap screws
D14: Drain vents For rain sensor
D15: North direction mark
D16: Rain funnel rotation mark
D17: Large nut for fixing the support rod and the base
D18: Lighting and UV sensors

Temperature | Humidity Wireless Remote Sensor Appearance

(This sensor is not configured, please purchase separately if needed)



Part E –Exterior

E1: Hanging hole
E2: LCD display
E3: LED indicator
E4: Temperature | Humidity sensing louver
E5: Battery compartment
E6: Manual transmit signal button “TX”
E7: “CHANNEL 1 or 2 or 3” switch
E8: Reset button

Setup Preparation

Items you will need to setup your station (not included):

1. Crosshead screwdriver and hex driver for assembly.
2. Fresh Batteries:

    2 (two) AA alkaline or lithium batteries for the weather station.

    3 (three) AA alkaline or lithium batteries for the multi-combination sensor.

For best results:

- Remove weather station and sensors from the package and place together on a table or bench, within easy reach.
- Place batteries and screwdriver within reach of setup location.
- Keep sensors and weather station 0.15-0.3 meter or 5-10 feet for at least 15 minutes after installing batteries, to allow the sensors and station to connect repeatedly.

Download Tuya Smart App:



APP ICON 

According to the mobile phone brand, search for graffiti through the IOS APP Store or Android Google Play, find the APP with the icon below, and download the APP. At the same time, register an account, open the APP, log in to the account, and at the same time log in to the hotspot that the weather station needs to connect to, as a preparation for device pairing.

Quick Setup

1. Insert 3 AA batteries into the multi-combination wireless remote sensor
2. Then plug the power cord into the weather station
3. Download the corresponding APP on the mobile phone, open the APP, register the user and log in, and pair the weather station with the WIFI and server information according to the prompt of the APP.
4. Configure basic settings by operating the APP or product. Set time, date, unit, etc.
5. Insert 2 AA batteries into the weather station (when the power adapter is unexpectedly powered off, the settings will not be lost)
6. Move the remote sensor to outdoor or other location after 5 minutes

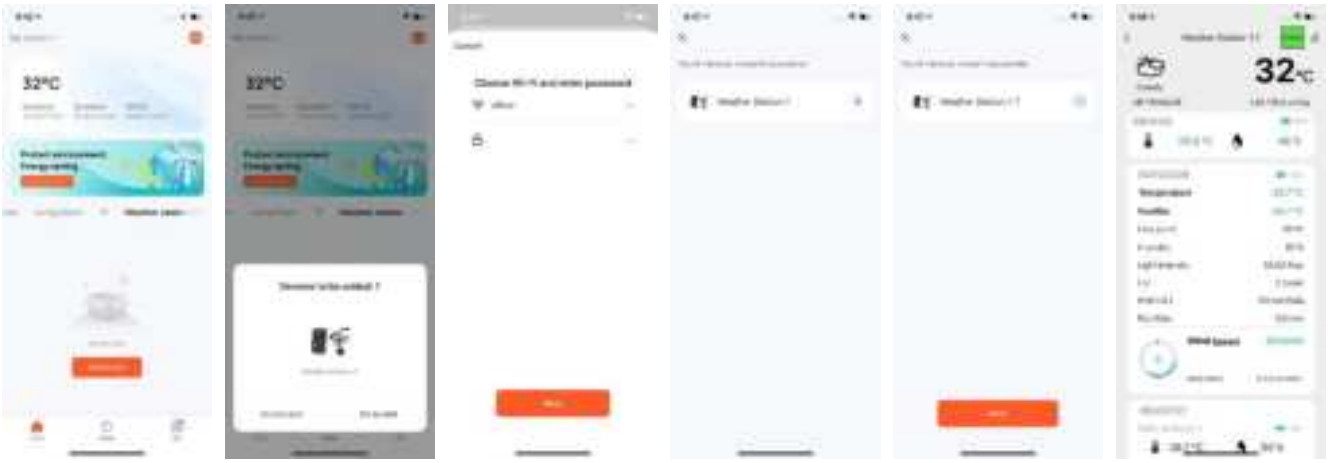
WIFI pairing

▸ After the weather station starts, it will automatically enter the paired AP mode, and the time bar will display “00 AP”. After a few seconds, it will switch to “01 AP”, and now pairing can begin

▸ Open the Tuya app and wait for a moment. The app interface will automatically pop up a window for discovering devices. Click "Add" to switch to WIFI settings on the interface

▸ Then follow the APP prompts, step 3: set the WIFI name and password, step 4: pairing process, wait for the screen to change to step 5, click Finish, switch to the main interface of step 6, indicating that the pairing is complete.

Step1 step2 step3 step4 step5 step6



Note: The paired WIFI hotspot must be 2.4GHz, this product only supports 2.4GHz wireless network

- If the product does not automatically enter the pairing mode when powered on for the first time, you can press and hold the **"-"** button for more than 3 seconds to enter the pairing mode manually, the display prompt is the same as automatic entry.
- After the pairing is completed, the weather station will automatically connect to the WLAN, automatically update the network time, and start searching for signals from remote wireless sensors. The "" icon blinks for about 3 minutes. At this time, if the outdoor wireless sensor is working normally, the host will start to search for the signal of the remote wireless sensor in about 1-2 minutes. When a signal is received indoors, the outdoor temperature and humidity will be displayed on the display of the main unit.

Wireless sensor connection

- The weather station can connect up to 1 Multi-combination wireless sensor and 3 different channels of temperature | humidity wireless sensor (If you need this remote single temperature and humidity sensor, please purchase separately).
- The weather station automatically searches for all wireless sensors within 3 minutes of power-on and registers the sensor IDs. Each sensor generates a random ID after power-on to distinguish the sensors.
- In the main display interface, press the "CH" button to convert the values of wireless sensors on different channels in the OUT temperature and humidity column.

  Note: In the channel icon (where A1 is displayed), the number of channels is displayed: (representing multiple combination wireless sensors) | CH1 | CH2 | CH3 (representing three channels of temperature and humidity wireless sensors) | Loop mode

  Note: In the loop mode, the display of the number of channels and temperature and humidity in the OUT column switches to one channel every 5 seconds, in the order | CH1 | CH2 | CH3. If the channel has no signal, it will automatically skip during the loop.

  Note: In the loop mode, only the values of temperature and humidity are being converted, and the values of wind speed, wind direction, rainfall, etc. are not converted, and the values are still derived from the Multi-combination wireless sensor.

  Note: When the weather station loses sensor signals or the sensor is not connected to the channel, the value of the channel is displayed as "--"

- If you need to add a new sensor or replace a sensor, press the "CH" button to switch to the corresponding communication, and then press and hold the "CH" button for more than 3 seconds. The weather station will search for a signal for 3 minutes again, and the new channel sensor will be added to the weather station within 3 minutes.

Note: When adding a new sensor or replacing a sensor (old sensor replacement battery), you need to turn on the sensor power first, then follow the steps above to control the weather station.

Note: When the channel icon (the position of the display A15) displays the low voltage icon "" , the battery of the corresponding channel wireless sensor is replaced according to the channel number of the channel icon. Then follow the steps above to re-add the wireless sensor to the weather station.

Time and unit settings

- Press and hold the "SET" button for 3 seconds to enter the time setting mode.
- Press and release the "+" or "-" button to adjust the value. Hold the "+" or "-" button to adjust quickly.
- Press and release the "SET" button to confirm and move to the next item.

Note: Wait for 20 seconds without pressing any buttons, or double-click on the "SNOOZE/LIGHT" touch position to exit the setting mode.

Settings order:

1. Temperature unit: °C | °F
2. Pressure unit: hPa| inHg | mmHg
3. Air pressure setting: absolute or relative
4. Wind speed unit: km/h |mph | m/s | knots
5. Wind degree (angle) or direction (letter) selection
6. Rainfall unit: MM| inch
7. Light unit: Klux | Kfc | W/m^2
8. Hour format: 24Hr | 12Hr
9. Hour
10. minutes
11. Calendar display format: Month/Date | Date/Month
12. Year
13. Month
14. Date
15. Week display language: a total of 15 countries
16. Initial weather forecast

Note: In the set time, the number of minutes of the change, automatically from the zero second forward

Note: There are 15 languages of Weekday: English, German, French, Spanish, Italian, Dutch, Danish, Portuguese, Norwegian, Swedish, Polish, Finnish, Czech, Hungarian, and Slovakia

Week language display

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
ENGLISH	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY	SUNDAY
ENG	MON	TUE	WED	THU	FRI	SAT	SUN
GERMAN	MONTAG	DIENSTAG	MITTWOCH	DONNERSTAG	FREITAG	SAMSTAG	SONNTAG
GER	MON	DIE	MIT	DON	FRE	SAM	SON
FRENCH	LUNDI	MARDI	MERCREDI	JEUDI	VENDREDI	SAMEDI	DIMANCHE

FRE	LUN	MAR	MER	JEU	VEN	SAM	DIM
ITALIAN	LUNEDI	MARTEDÌ	MERCOLEDÌ	GIOVEDI	VENERDÌ	SABATO	DOMENICA
ITA	LUN	MAR	MER	GIO	VEN	SAB	DOM
SPANISH	LUNES	MARTES	MIERCOLES	JUEVES	VIERNES	SABADO	DOMINGO
SPA	LUN	MAR	MIE	JUE	VIE	SAB	DOM
PORTUGUESE	SEGUNDA-FEIRA	TERÇA	QUARTA-FEIRA	QUINTA-FEIRA	SEXTA-FEIRA	SABADO	DOMINGO
POR	SEG	TER	QUA	QUI	SEX	SAB	DOM
DUTCH	MAANDAG	DINSDAG	WOENSDAG	DONDERDAG	VRIJDAG	ZATERDAG	ZONDAG
DUT	MAA	DIN	WOE	DON	VRI	ZAT	ZON
DANISH	MANDAG	TIRSDAG	ONSDAG	TORSDAG	FREDAG	LØRDAG	SØNDAG
DAN	MAN	TIR	ONS	TOR	FRE	LOR	SON
NORWEGIAN	MANDAG	TIRSDAG	ONSDAG	TORSDAG	FREDAG	LØRDAG	SØNDAG
NOR	MAN	TIR	ONS	TOR	FRE	LOR	SON
SWEDISH	MÅNDAG	TISDAG	ONSDAG	TORSDAG	FREDAG	LÖRDAG	SÖNDAG
SWE	MAN	TIS	ONS	TOR	FRE	LOR	SON
POLISH	PONIEDZIAŁEK	WTOREK	ŚRODA	CZWARTEK	PIĄTEK	SOBOTA	NIEDZIELA
POL	PON	WTO	SRO	CZW	PIA	SOB	NIE
FINNISH	MAANANTAI	TIISTAI	KESKIVIIKKO	TORSTAI	PERJANTAI	LAUANTAI	SUNNUNTAI
FIN	MAN	TII	KIS	TOR	PER	LAU	SUN
CZECH	PONDĚLÍ	ÚTERÝ	STŘEDA	ČTVRTEK	PÁTEK	SOBOTA	NEDĚLE
CZE	PON	UTE	STR	CTV	PAT	SOB	NED
HUNGARIAN	HÉTFŐ	KEDD	SZERDA	CSÜTÖRTÖK	PÉNTEK	SZOMBAT	VASÁRNAP
HUN	HET	KED	SZE	CSU	PEN	SZO	VAS
Slovakia	Pondelok	utorok	Streda	Štvrtok	piatok	sobota	nedeľa
SVK	PON	UTO	STR	STV	PIA	SOB	NED

APP setting unit:

- When the weather station is paired and connected to WIFI, the time of the weather station will be automatically calibrated, and the time will automatically become the local current time. At the same time, click the setting icon "⚙" on the APP Home screen to switch to the setting interface, and then click the corresponding menu bar to set the unit

Main interface second interface



Alarm function control

- Press and release the "⏰" button to view the alarm 1 time, press and release the button to view the alarm 2 time, the third release and release the button to exit the viewing mode.
- In the mode of viewing the alarm 1 time or the alarm 2 time, press and release the "+" button to control its alarm function to be turned on or off.

Note: When the function of Alarm 1 or Alarm 2 is turned on, the symbol "1" or "2" is displayed. At the same time, the relevant alarm repeat icon "M-F" | "S-S" is displayed

Note: The APP sets the repetition icon "M-F" | "S-S" not to be displayed on weekdays (Only the "M-F" icon is displayed), weekends (Only the "S-S" icon is displayed), and weekly (The "M-F" and "S-S" icons are displayed simultaneously)

Note: Wait for 20 seconds without pressing any buttons, or double-click on the "SNOOZE/LIGHT" touch position to exit the viewing modes.

Alarm and Snooze settings

- Press and hold the "ALARM" button for 3 seconds to enter the alarm and snooze setting mode.
- Press and release the "+" or "-" button to adjust the value. Hold the "+" or "-" button to adjust quickly.
- Press and release the "ALARM" button to confirm and move to the next item.

Note: Wait for 20 seconds without pressing any buttons, or double-click on the "SNOOZE/LIGHT" touch position to exit the setting modes.

Settings order:

1. Alarm 1 hour
2. Alarm 1 minutes
3. Alarm 1 repeat: M-F | S-S | M-S
4. Alarm 1 snooze time: 5 to 60minutes | OFF
5. Alarm 2 hour
6. Alarm 2 minutes
7. Alarm 2 repeat: M-F | S-S | M-S
8. Alarm 2 snooze time: 5 to 60minutes | OFF

Note: The alarm is repeatedly set to M-F, the alarm function will be activated from Monday to Friday, the Saturday and Sunday will be invalid. The alarm is repeatedly set to S-S, and the alarm function will be activated on Saturday

and Sunday, and will expire from Monday to Friday. When the alarm is repeatedly set to display both M-F and S-S, the alarm function will be activated throughout the week.

Note: The snooze time setting range: 5 ~ 60MIN, OFF, when set to OFF, means no snooze function. Snooze time unit is minutes.

Note: The alarm will sound for 2 minutes if you do not deactivate it by pressing any button. In this case the alarm will be repeated automatically after 24 hours.

Note: Rising alarm sound (crescendo, duration: 2 minutes) changes the volume 4 times whilst the alarm signal is heard.

APP setting alarm

- When the weather station is paired and connected to WIFI, the time of the weather station will be automatically calibrated and the time will automatically change to the current local time. At the same time, click the setting icon "⚙" on the main screen of the APP to switch to the setting interface, and then click on "Alarm Setting" in the menu bar to enter the lower menu for setting.

Main interface Second interface Third interface Fourth interface



Switching off the alarm signal

- The alarm sound when the trigger, press any buttons except the "SNOOZE/LIGHT" touch button or touch and hold the "SNOOZE/LIGHT" button for more than 3 seconds to stop the alarm signal.

Snooze function:

- When the time is up to the alarm, touch and release the "SNOOZE/LIGHT" touch button, the alarm signal stops, and enter the snooze timing mode. At the end of the snooze timer, it will ring again (can repeat snooze)
- In snooze timing mode, press any buttons except the "SNOOZE/LIGHT" touch button or touch hold down the "SNOOZE/LIGHT" touch button for more than 3 seconds to exit the snooze mode

Temperature | Humidity | Light Intensity | UV Index | Air Pressure

Reading | Record |Trend

- Press the "-" button to switch the display of feel like temperature, dew point temperature, heat index and Wind chill.

Note: feels like temperature, dew point temperature, heat index and wind chill index is related to the value detected by

the multi-combined wireless remote sensor.

Note: After viewing, it will automatically return to the display of feels like temperature 20 seconds later

- Press the “+” button to view the records of the maximum and minimum values of temperature, humidity, and light intensity.
- In the mode of viewing maximum and minimum values, press and hold the “+” button for 3 seconds to clear all history of indoor temperature | Humidity and outdoor remote temperature | Humidity | light intensity and feels like temperature | dew point temperature | heat index | wind chill index

Note: When cleared, the above values will first be displayed as “--”, and then the current values will be re stored.

- Indoor temperature | Humidity and outdoor remote temperature | Humidity | light intensity and feels like temperature and air pressure will have trend change tips

 : Detected value is rising.

 : Detected value drops.

 : Detected value remains unchanged.

- There are five status indications for the UV Index: LOW (0 to 2), MODERATE (3 to 5), HIGH (6 to 7), VERY HIGH (8 to 10), EXTREME (11+).

Wind Readings | History

- In the main display interface, press and hold the "WIND" button for 3 seconds to convert the display to wind direction, gusts, or average wind speed

Note: WIND SPEED: average speed over the past 30 seconds

GUST WIND SPEED: Maximum average wind speed every 3 seconds for 30 seconds

AGE WIND SPEED：10-minute average wind speed

WIND DIRECTION: In letters or degrees

Note: Each operation can only be converted once, and after the conversion is completed, a BI sound prompt will sound. To switch again, first release the button and then press and hold it down

- View history: Press and release the “WIND” button to view the maximum wind and gust history values: 1 Hour (default) | 24 Hour | 7 Days | Month | Year

Note: One Hour: past 60 minute period (default Top Speed record, already shown)

24 hour: Past 24 hour period, from last record

7 Days: Past 7-day period, from last record

Month: Defned by Calendar Month i.e. January 1 - January 31

Year: Defned by Calendar Year i.e. January 1 - December 31

- In the mode of viewing wind speed history, press and hold the “SET” button for 3 seconds to clear all history of wind speed.

Note: Wind speed reading will reset to current wind speed.

Note: Wait for 20 seconds without pressing any buttons, or double-click on the “SNOOZE/LIGHT” touch position to exit the viewing modes.

Rain Readings | History

- In the main display interface, press and hold the “RAIN” button for 3 seconds to convert the display to cumulative value

of rainfall or rate of rainfall

Note: Rainfall: from current to past (event | hourly | daily | weekly | monthly | yearly | total) total accumulated rainfall

Rainfall rate: average hourly rainfall of daily or current rainfall events

- Press and release the “RAIN” button to view the rain history, in order:

  EVENT | HOURLY | DAILY | WEEKLY | MONTHLY | YEARLY | TOTAL

Note: EVENT: The cumulative value of the current rainfall event. If there is no rain for more than 30 minutes, it means the end of the current rainfall event

HOURLY: Total rainfall for the current hour

DAILY: Total rainfall for today.

WEEKLY: Total rainfall for the current week

MONTHLY: Total rainfall for the current month

YEARLY: Total rainfall in the current year

TOTAL: The cumulative value of the total run time (no time stamp) since the weather station was started

- In the mode of viewing rain history, press and hold the “SET” button for 3 seconds to clear all history of rain.

Note: The rain reading will reset to 0 mm (in).

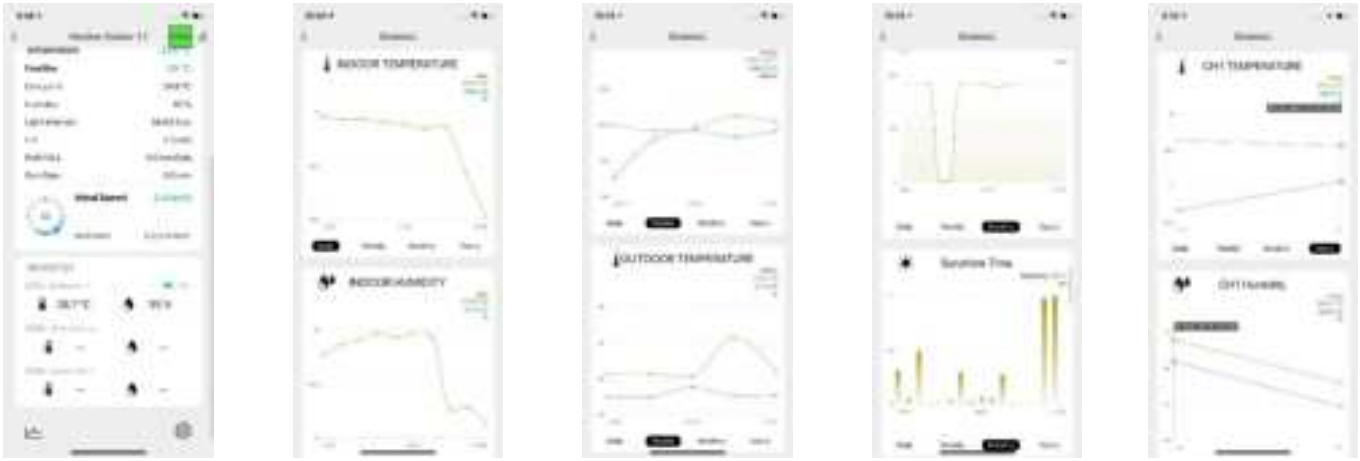
Note: Wait for 20 seconds without pressing any buttons, or double-click on the “SNOOZE/LIGHT” touch position to exit the viewing modes, The weather station will resume normal time display and display the last rainfall record you viewed. When the rain shows the rain rate before entering the observation mode, it still shows the rain rate when returning from the observation mode to the normal time display.

- When viewing the rainfall rate mode, press the “RAIN” button to switch between displaying the daily rainfall rate or the current event rainfall rate

The recording curve of Temperature | Humidity | Air Pressure | Wind | Rain | Light Intensity | UV Index in the APP

- Through the APP, you can view the historical changes of various detection data reported by the weather station and display them in the curve chart. Click the “ ” icon on the Home screen to enter, and you can view the daily | Weekly | Monthly | yearly change curve chart

Main interface Daily graph interface Weekly graph interface Monthly graph interface Yearly graph interface



TVOC Readings:

- After TVOC is powered on at the weather station, the internal sensors will automatically enter a 5-minute preheating mode, and after 5 minutes, the concentration value of TVOC will be displayed.
- When the weather station is powered by an external power source, TVOC will continuously detect. When powered by a battery, only a single detection is required, and further detection is required. Pressing the "TVOC" button will activate the detection once.
- There are a total of 8 comfort levels for TVOC:

Level	1	2	3	4	5	6	7	8
TVOC	0~0.200	0.201~0.400	0.401~0.600	0.601~0.800	0.801~1.000	1.001~2.000	2.001~5.000	5.001~9.999

TVOC calibration:

- Under DC power supply and working mode, press and hold the “TVOC” button for more than 3 seconds to enter calibration mode. The TVOC column displays “CAL”, and then press and hold the “+” button for more than 3 seconds to emit a BI sound prompt to enter manual calibration mode (if the calibration mode is not exited after 20 seconds). The TVOC column displays “CAL1” and the detection value switches between each other. After entering calibration mode, place the product in an air permeable environment for more than 30 minutes, The product will automatically set the best detected TVOC data to zero and automatically save it to exit calibration mode.

  Note: If the value deviation is found to be too large after a long time of use, manual calibration can be performed.
- Restore TVOC factory calibration parameters: If you want to restore the factory calibration parameters of TVOC, long press and hold the "TVOC" button. When the TVOC column displays “CAL”, press and hold the “-” button for more than 3 seconds, and the display will change to “rESt ” and automatically return to the test value, then restore to the factory calibration parameters.

  Note: If manual calibration is not normal, you can try to restore factory calibration first

Weather forecast:

- The weather station calculates a weather forecast for about the next 12 hours based on the barometric pressure trend. Of course this forecast can‘t compare to that of professional weather services supported by satellites and high performance computers, 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 information from your device and from the local weather forecasting service, please take the advice of the latter as authoritative.

- The weather station displays the following weather icon:

sunny	Mostly cloudy	Cloudy	Rainy	Thunder Rainy	Snow
					

Note: The Snowy icon will only appear if the outdoor temperature (refers to the temperature detected by multiple combined sensors) is below -4°C (+25°F) and the forecast would be rainy or Thunder Rainy.

- After the weather station needs 7-10 days of air pressure calibration, the weather forecast will tend to be stable with an accuracy rate of 70%-75%.

Background lighting

- If the product is powered by batteries, Press the "**SNOOZE/LIGHT**" button. Backlight lit 15 seconds.
- When the power supply of the product is inserted into the power supply adapter, the battery will automatically disconnect the power supply, and the backlight will always be bright. Press the "SET/" button to adjust the brightness of the backlight, you can adjust the 5 state: 4 different brightness backlight and close the backlight. When the backlight brightness is not at the maximum brightness, Press the "**SNOOZE/LIGHT**" button. Backlight turns to maximum brightness of 20 seconds.
- The weather station can also set the backlight to automatically dim at night. Press and hold the "**SNOOZE/LIGHT**" button for more than 3 seconds to enter the night mode setting.
- Press and release the "SET/" button to confirm and move to the next item.
- Press and release the "**+**" or "**-**" button to adjust the value. Hold the "**+**" or "**-**" button to adjust quickly.

Settings order:

1. night mode on | off
2. Backlight brightness setting at night
3. Hour setting for night entry time
4. Minute setting for night entry time
5. Hour setting of night exit time
6. Minute setting of night exit time

Note: when the night function is set off, Press and release "SET" button to exit directly, omitting the settings of other items

Note: Wait for 20 seconds without pressing any buttons, or double-click on the "SNOOZE/LIGHT" touch position to exit the settings modes.

APP setting Backlight

- When the weather station is paired and connected to WIFI, the time of the weather station will be automatically

calibrated and the time will automatically change to the current local time. At the same time, click the setting icon “” on the main screen of the APP to switch to the setting interface, and then click on “backlight Setting” in the menu bar to enter the lower menu for setting.

Main interface Second interface Third interface Fourth interface



- When the night mode is on, the icon “” will be displayed. When the time reaches the time to enter the night mode, the backlight will automatically switch to the set night mode brightness, and when the time reaches the time to exit the night mode, the backlight will return to the original brightness.
- In night mode, the backlight can be switched to the highest brightness for 15 seconds by Press and release the “SNOOZE/LIGHT” button.

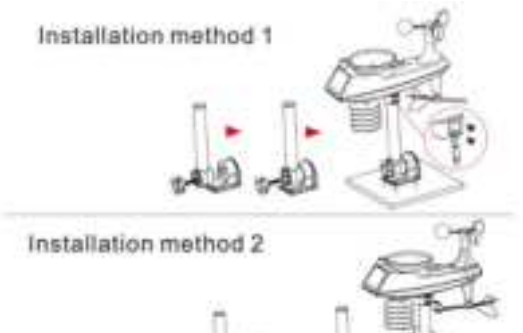
Low battery:

- If the “Indoor sensor” column is display the battery icon “”, you need to replace the weather station's battery as soon as possible,

Mounting Instructions (wireless sensor)

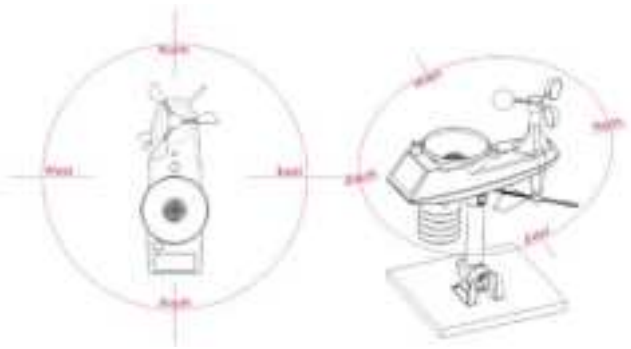
Multi-combination Wireless Remote Sensor

- Mount in an open area clear for 15 meters (50 feet) in all directions.
- The sensor needs to be mounted on a sturdy platform or bracket that is mounted 1.5 m (5 ft) above the



ground.

- The base of the sensor is screwed to the platform and the support frame. Tighten the large nut that secures the support rod to the base
- When installing, adjust the sensor body so that the solar panel faces south, otherwise the wind direction will be wrong. Note the “N” North Embossed Mark on the top of the sensor (requires a compass for proofreading, and the “N” North Emboss mark is identical to the “N” of the compass).
- When installing the sensor, use the top bubble level to ensure the sensor level, otherwise the accuracy of the rainfall reading will be affected.
- After completing the above two steps, lock the two hexagon socket screws on the side of the sensor body.
- When installing, the fixing screws of the wind cup and the wind direction cursor should be tightened and tightened.
- The rainforest structure of the sensor needs to be cleaned regularly (recommended cycle 1-3 months, depending on the frequency of rain):
    1. Remove the rainwater funnel (turn the rain sand funnel according to the direction of rotation shown).
    2. Gently remove debris or insects from the rain sensor.
    3. Remove debris from the rainwater funnel itself, especially debris from the funnel drain.
    4. Remove the debris from the drain.
    5. Reinstall the rainwater bucket.
    6. Note: Do not apply oil to the rain sensor.







Note: Make sure the wireless sensor is installed within 100 meters of the weather station (empty, unobstructed). According to the thickness of the obstacle between the wireless sensor and the weather station, the distance should be shortened as much as possible (the distance after the wireless signal penetrates the obstacle will be shortened), otherwise the data transmission may be disturbed.

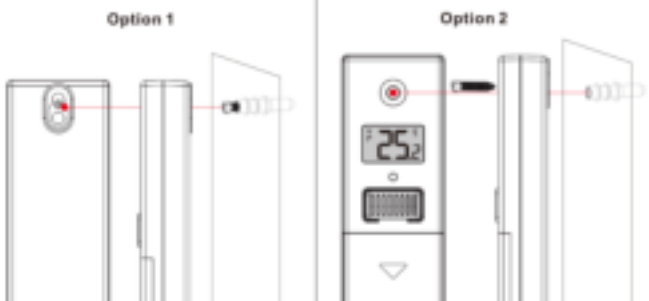
Temperature | Humidity Wireless Remote Sensor

(This sensor is not configured, please purchase separately if needed)

Option 1:

- Mount the mounting screws to the wall.
- Hang the wireless sensor on the screw.

Option 2:



- Insert the mounting screws through the front of the wireless sensor into the wall.
- Tighten the screws to fit snugly (do not overtighten).
- If the wireless sensor is placed outdoors, install the temperature | humidity wireless sensor on a north facing wall or any shadow. The sun will make it even higher.
- The guardrail under the eaves or under the deck is preferred.
- Make sure the wireless sensor is installed vertically to vent moisture.

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception,

which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-- Reorient or relocate the receiving antenna.

-- Increase the separation between the equipment and receiver.

-- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable

exposure condition without restriction