

PROFESSIONAL WEATHER STATION



Features:

- ▶ WWVB Radio control time function
- ▶ Perpetual calendar up to year 2099
- ▶ Day of week in 3 languages user selectable: English, French and Spanish
- ▶ Two daily alarms
- ▶ Automatic snooze function (OFF or 5~60min)
- ▶ Moon phases
- ▶ Temperature:
 - Maximum range of indoor temperature detection display: 14.1°F (-9.9°C) to 122°F (50°C)
 - Maximum range of outdoor temperature detection display: -40°F (-40°C) to 158°F (70°C)
 - Maximum range of feels like temperature detection display: -40°F (-40°C) to 158°F (70°C)
- ▶ Humidity:
 - Maximum range of indoor and outdoor humidity detection display: 1% to 99%
 - Level 5 indoor and outdoor comfort display - data source temperature and humidity
- ▶ Air pressure:
 - Maximum range of atmospheric pressure measurement display:
17.72 to 32.48 inHg (600 to 1100 hPa or 450 to 825.1 mmHg)
- ▶ Rain
 - Maximum range displayed for rainfall measurement: 0 to 393.6 inches (0 to 9999mm)
- ▶ Wind
 - Maximum range displayed for wind speed measurement: 0 to 111 mph (0 to 180 km/h, 0 to 50m/s)
 - Maximum range displayed for wind direction measurement: 0 to 359 degrees
- ▶ Light and UV index
 - Maximum range of light intensity measurement display: 0 to 11.9 kfc (0 to 128 klux)
 - Maximum range of UV index measurement display: 0 to 15 level
 - Level 5 UVI sun exposure level indication
- ▶ Wireless outdoor sensor:
 - 433.92MHz RF transmitting frequency
 - 300 feet (100 meters) transmission range in an open area, not including walls or floors.
 - Up to 4 wireless outdoor sensors can be connected. (A maximum of one multi-combined wireless remote control sensor and three temperature | Wet wireless remote control sensor)
- ▶ Record of temperature, humidity, wind speed and rainfall
- ▶ The weather forecasting function
- ▶ Level 4 display backlight
- ▶ Power Supply:
Weather station:
Equipment power input: DC 5V more than 1A (Power cord or power adapter)

F.Y.I.:

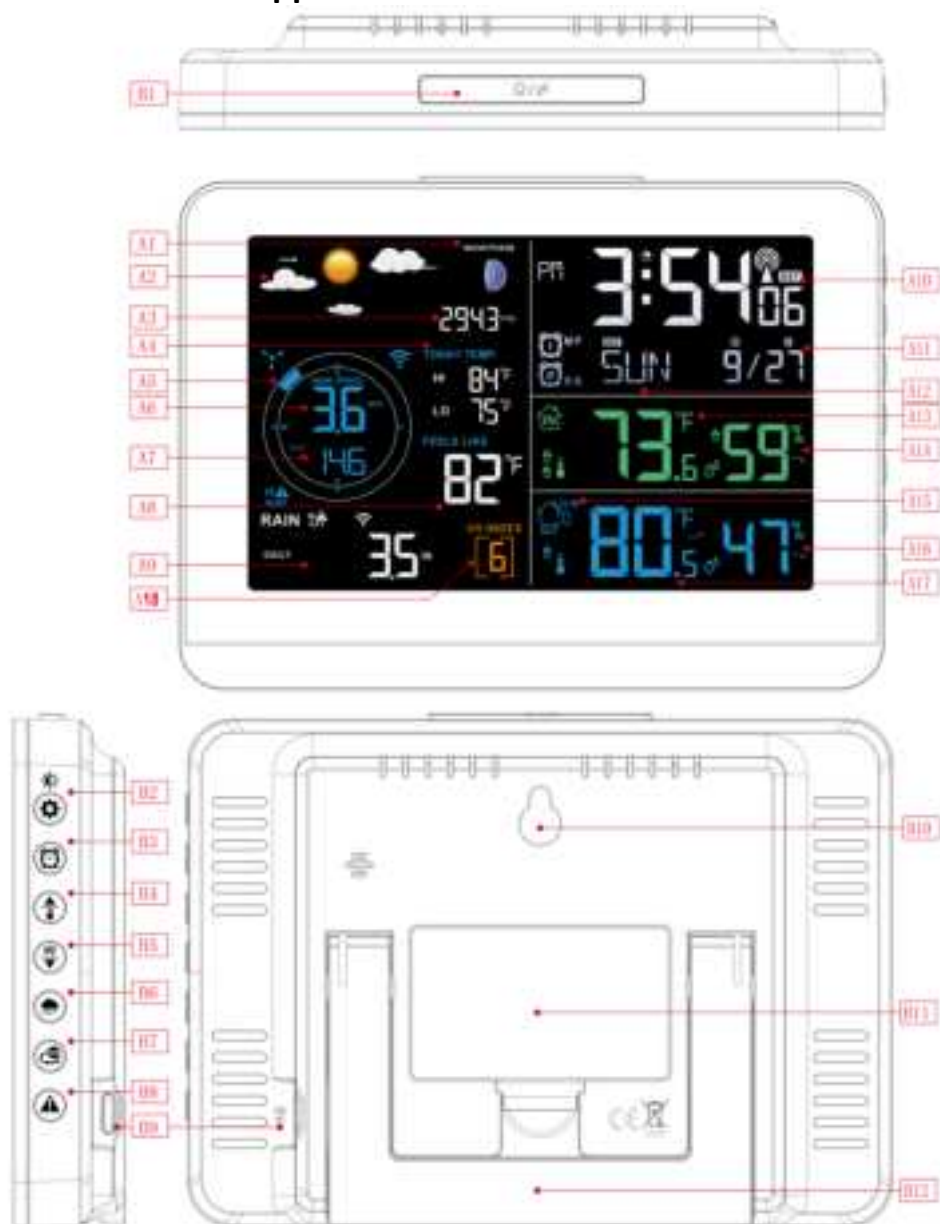
The main unit of the weather station can operate at temperatures ranging from 32°F to 122°F. If the function exceeds the range, it may cause abnormalities. Please use it in this environment.

The wireless remote sensor can work at -22°F to 158°F. Please choose the right battery according to the limit temperature of the wireless sensor:

Alkaline zinc manganese battery can work at -4°F to 140°F

Polymer lithium ion rechargeable battery can work at -40°F to +158°F

Weather Station Appearance



Part A-Positive LCD

A1: Moon phases
 A3: Air pressure
 A5: Wind direction steering wheel
 A7: Wind direction or gusts or average wind speed
 A9: Rainfall or light intensity(switch display)
 A11: Calendar
 A13: Indoor temperature
 A15: Outdoor wireless channel
 A17: Outdoor temperature

 RCC signal icon
 Alarm 1 icon
 M-F Monday-Friday repeat alarm icon
 Backlight night mode icon
 Wireless receiving icon
 Multi-combination wireless sensor icon
 Temperature | humidity wireless sensor CH2 icon
 Wind icon
 Temperature | humidity | Pressure up trend arrow
 High temperature | humidity alert icon
 Top wind speed alert icon
 Daily rainfall alert icon
 Frost Police icon

A2: Weather forecast
 A4: Today's highest and lowest temperature record
 A6: Wind speed
 A8: Feels like temperature
 A10: Time
 A12: Day of the week
 A14: Indoor humidity
 A16: Outdoor humidity
 A18: UV index

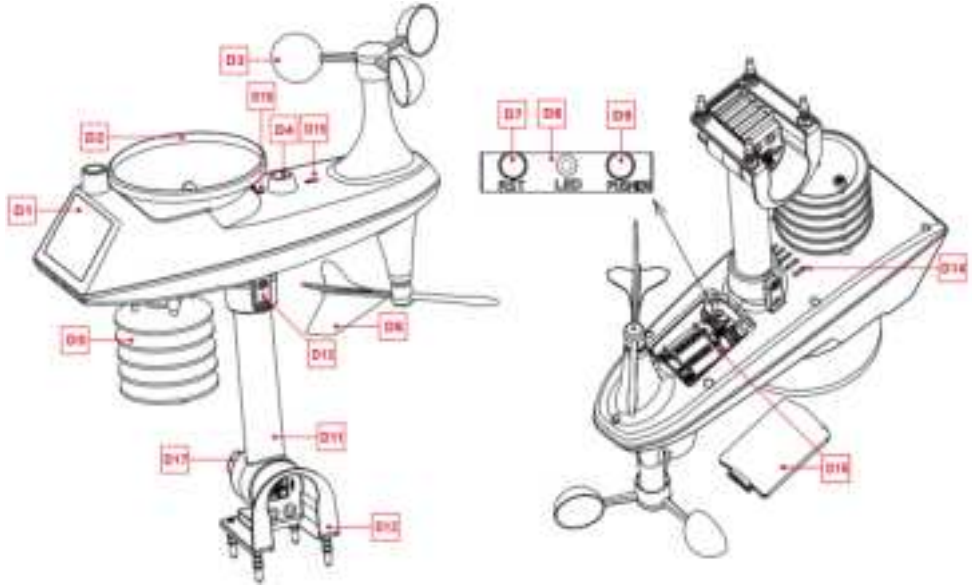
 Summer time icon
 Alarm 2 icon
 S-S Saturday-Sunday repeat alarm icon
 Alarm snooze icon
 Wireless channel loop icon
 Temperature | humidity wireless sensor CH1 icon
 Temperature | humidity wireless sensor CH3 icon
 Pressure constant trend arrow
 Temperature | humidity | Pressure down trend arrow
 Low temperature | humidity alert icon
 Top gust speed alert icon
 Daily rainfall rate alert icon
 Battery low pressure icon

Part B –Buttons and Exterior

B1: “” Snooze/Light touch location
 B2: “” Set and brightness button
 B3: “” Alarm button
 B4: “” Up and memory button
 B5: “” Down and wind button
 B6: “” Rain button

B7: “” Channel switching button
 B8: “” Alert button
 B9: Power supply socket –TYPE-C
 B10: Hanging hole
 B11: Battery compartment
 B12: Support frame

Multi-combination Wireless Remote Sensor Appearance



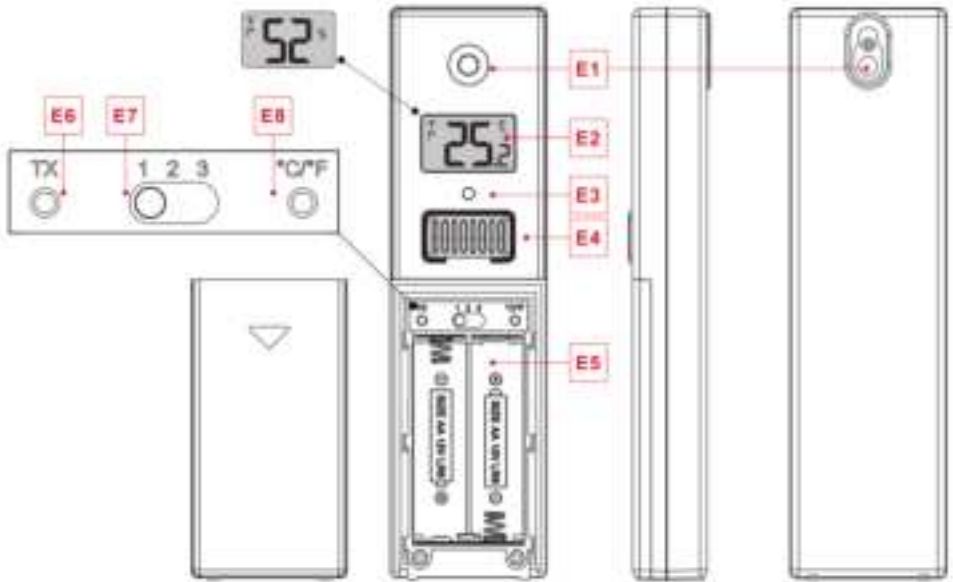
Part D –Exterior

- D1: Solar panel
- D3: Wind cups
- D5: Temperature | humidity induction box
- D7: Reset button
- D9: Manual transmit signal button
- D11: Support rod
- D13: Socket head cap screws
- D15: North direction mark
- D17: Large nut for fixing the support rod and the base

- D2: Rain funnel
- D4: Bubble level
- D6: Wind directional vane
- D8: LED indicator
- D10: Battery compartment
- D12: Fixed base
- D14: Drain vents for rain sensor
- D16: Rain funnel rotation mark

Temperature | Humidity Wireless Remote Sensor Appearance

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



Part E –Exterior

E1: Hanging hole

E3: LED indicator

E5: Battery compartment

E7: "CHANNEL 1 or 2 or 3" switch

E2: LCD display

E4: Temperature | Humidity sensing louver

E6: Manual transmit signal button "TX"

E8: Reset button

Setup Preparation

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

1. Crosshead screwdriver and hex driver for assembly.

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.

Quick Setup

1. Insert 3 AA batteries into the multi-combination wireless remote sensor
2. Insert 3-AA battery into the temperature | humidity wireless remote sensor
3. Then plug the power cord into the weather station
4. Configure basic settings. 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
7. Move the weather station to the appropriate location, with a minimum distance of 2.5 meters from all sources of interference, such as a television or computer monitor, radio reception is weaker in rooms with concrete walls (e.g.: in cellars) and in offices. In such extreme circumstances, place the weather station close to the window.

Note: The weather station has a radio control clock calibration time function. After power-on and searching the wireless sensor for 3 minutes or all channels successfully search for the wireless sensor, the weather station will automatically enter the radio control clock timing mode. If you need to set the time and unit manually, you need to press and hold the “” button to exit the radio time mode, and then continue to the next step.

Wireless Sensor Connection

- ▶ The weather station can connect up to 1 Multi-combination wireless sensor and 3 different wireless sensors (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 “” button to convert the values of wireless sensors on different channels in the OUT temperature and humidity column. Press “” button once, switch a channel, in order: OUT | CH1 | CH2 | CH3 | loop mode, when entering the loop mode, the icon “” display

Note: In the channel icon, the number of channels is displayed:  (representing multiple combination wireless sensors) |  |  (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:  |  |  |  . 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  button to switch to the corresponding communication, and then press and hold the  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 first, then follow the steps above to control the weather station.

Note: When the channel icon 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.

Radio Control Clock (Abbreviation: RCC) Timing:

► After the weather station searches for the wireless sensor after power-on, (up to 3 minutes) will automatically enter the RCC timing mode. The weather station will automatically search for the RCC signal for 7 minutes, the RCC signal icon will flash and the backlight will automatically turn off.

Note: Enter the RCC signal search mode. Since the RCC signal search requires the device to be in a static working state as much as possible, the backlight is automatically turned off to prevent signal interference. Please try not to control the weather station within seven minutes. If you need to exit the search mode of the RCC signal, press and hold the  button for 3 seconds to exit.

► The weather station will automatically perform an RCC signal search at 1:00 / 2:00 / 3:00 every day to correct any deviation from the precise time. If this sync attempt is unsuccessful (the radio mast icon disappears from the display), the system will automatically try another sync for the next full hour. This process is automatically repeated up to 5 times a day.

Note: When the radio wave receiving is turned on, the triangle in the radio wave symbol flickered. When a valid signal was received, the signal indication of the upper part of the radio wave symbol flickered.

► If you need to manually search for RCC signals, press and hold the  button for 3 seconds to enter the search mode. Again, the longest search is 7 minutes.

Note: The flashing radio mast icon indicates that the RCC signal search is in progress. Continuous display of the continuously displayed radio mast icon indicates that the successful RCC signal timing is completed and the calibration time is successful. The icon “DST” indicates that the calibration time is the daylight saving time.

Note: We recommend that the minimum distance placed at all interference sources is 2.5 meters, such as a TV or computer monitor to prevent the receiving radio wave from being disturbed. Radio receiving is weak in rooms with concrete walls (eg, in wine cellars) and office rooms. In this extreme situation, the main unit is placed near the window.

Time and Unit Settings

► Press and hold the  button for 3 seconds to enter the time setting mode.

► Press the  or  button to adjust the value. Press and hold the  or  button to adjust quickly.

► Press the  button to confirm and move to the next item.

Note: Wait for 20 seconds without pressing any buttons, or touch the  /  position and keep it for 1 second to exit the setting mode.

Settings order:

1. Temperature unit: °C | °F
2. Pressure unit: hPa | inHg | mmHg
3. Wind speed unit: km/h | mph | m/s
4. Wind degree (angle) or direction (letter) selection
5. Rainfall unit: MM | IN
6. Light unit: Klux | Kfc
6. Radio control clock function: ON | OFF
7. summer time function: ON | OFF
8. Time zone: -2 to +2 hr
9. Hour format: 24Hr | 12Hr
10. Hour
11. minutes
12. Calendar display format: Month/Date | Date/Month
13. Year
14. Month
15. Date
16. Week display language: a total of 15 countries
17. Air pressure setting: absolute or relative
18. Initial weather forecast

Note: Please select the correct time zone according to your region, otherwise the RCC time will be inaccurate:

AST: Atlantic Standard Time	-4Hr
EST: Eastern Standard Time	-5Hr
CST: Central Standard Time	-6Hr
MST: Mountain Standard Time	-7Hr
PST: Pacific Standard Time	-8Hr
AKT: Alaska Standard Time	-9Hr
HAT: Hawaii-Aleutian Standard Time	-10Hr

Note: Exceeding the NIST radio station in Fort Collins, Colorado, USA, with a diameter of more than 1500 km, the signal received by the radio clock signal is very poor. It is recommended to set the RCC to OFF.

Note: If you live in an area that observes Daylight Saving Time, DST should be set to ON, even if it is not currently Daylight Saving Time.

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

Note: There are 3 languages of Weekday: English, French and Spanish.

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
FRENCH	LUNDI	MARDI	MERCREDI	JEUDI	VENDREDI	SAMEDI	DIMANCHE
FRE	LUN	MAR	MER	JEU	VEN	SAM	DIM
SPANISH	LUNES	MARTES	MIERCOLES	JUEVES	VIERNES	SABADO	DOMINGO
SPA	LUN	MAR	MIE	JUE	VIE	SAB	DOM

Alarm Function Control

► Press the  button, you can view the alarm time, check the order in turn: alarm 1 time | alarm 2 time | return regular time

► In the mode of viewing the alarm 1 time or the alarm 2 time, press the  or  button to turn the alarm function on or off.

Note: When the function of Alarm 1 or Alarm 2 is turned on, the symbol  or  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 touch the /z” position and keep it for 1 second to exit the viewing modes.

Alarm and Snooze Settings

► Press and hold the  button for 3 seconds to enter the alarm and snooze setting mode.

► Press the  or  button to adjust the value. Press and hold the  or  button to adjust quickly.

► Press the  button to confirm and move to the next item.

Note: Wait for 20 seconds without pressing any buttons, or touch the /z” position and keep it for 1 second 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.

Switching Off the Alarm Signal

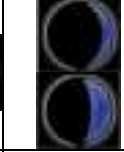
► The alarm sound when trigger, press any buttons except the /z” touch button or touch and hold the /z” button for more than 3 seconds to stop the alarm signal.

Snooze Function:

- ▶ When the time is up to the alarm, touch the “☀/z” 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 “☀/z” touch button or touch hold down the “☀/z” touch button for more than 3 seconds to exit the snooze mode

Moon Phases and Tide Indicator:

- ▶ The moon icon and tide indicator of the weather station will also display 12 different moon phase and 3 kinds of tide phases according to the set calendar.

							
New moon	Waxing half-moon	Half-moon	Waxing full moon	Full moon	Waning full moon	Half-moon	Waning half-moon

Temperature | Humidity Reading | Record | Trend

- ▶ Press the “📶” button to toggle indoor/outdoor maximum, minimum temperature and humidity data:
 - Once to show the maximum temperature and humidity values.
 - Twice to show the minimum temperature and humidity values
 - Three times to return to the current temperature and humidity levels
- ▶ To reset the maximum and minimum temperature and humidity, press and hold down the “📶” button for 2 seconds. This will reset all minimum and maximum data recorded to the current displayed values.
- ▶ Indoor temperature | Humidity and outdoor remote temperature | Humidity | light intensity and feels like temperature and air pressure will have trend change tips



: The temperature/humidity is rising.

: The temperature/humidity is falling

No display: The temperature/humidity is remaining constant

- ▶ The temperature of feels like is related to the outdoor temperature, humidity and wind speed detected by multi-combination wireless remote sensor. The highest minimum temperature on the day was also collected by multi-combination wireless remote sensor

Wind Readings | History

- ▶ In the main display interface, press and hold the “📶” 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 “” 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: Defined by Calendar Month i.e. January 1 - January 31

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

► In the mode of viewing wind speed history, press and hold the “” 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 touch the “/z” position and keep it for 1 second to exit the viewing modes.

Rain Readings | History

► In the main display interface, press and hold the “” button for 3 seconds to convert the display to cumulative value of rainfall or rate of rainfall

► Press the “” button to view the rain history, in order:

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

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

EVENT RATE: The rainfall event has occurred to the current average rainfall per hour

DAILY RATE: T Today to the current average rainfall per hour

► In the rain history mode, press and hold the “” 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 touch the “/z” position and keep it for 1 second 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.

Light Intensity Reading

► In the main display interface, press and hold the “” button for 3 seconds to convert the display to real-time values of light intensity, Press and hold the button for another 3 seconds to return to the cumulative reading of rainfall.

Weather Alerts Viewing and Setting

► Press the “” button to view the weather alerts mode. Press the “” button again to confirm and move

to the next item.

Note: Wait for 20 seconds without pressing any buttons, or touch the “/Z” position for 1 second to exit the view mode.

Note: View Outdoor | REMOTE Temperature | Humidity alert, press the “CH” button to switch to other channels. (A total of 4 channels:  |  |  | )

► In each weather alert view item, press and hold the “” or “” button to turn the alert on or off.

Note: The weather alert is initially turned off by default, and the display is OFF. When the weather alert is turned on, it is displayed as ON.

► Press and hold the “” button for 3 seconds to enter the weather alert setting mode.

► Press the “” or “” button to adjust the value. Press and hold the “” or “” button to adjust quickly.

► Press the “” button to confirm and move to the next item.

Note: Wait for 20 seconds without pressing any buttons, or touch the “/Z” position and keep it for 1 second to exit the settings.

Note: Set outdoor or remote temperature | humidity alert, press the “” button to switch to other channels. (A total of 4 channels:  |  |  | )

View and settings order:

1. Indoor temperature upper limit alert value
2. Indoor temperature lower limit alert value
3. Indoor humidity upper limit alert value
4. Indoor humidity lower limit alert value
5. Outdoor temperature upper limit alert value
6. Outdoor temperature lower limit alert value
7. Outdoor humidity upper limit alert value
8. Outdoor humidity lower limit alert value
9. Top wind speed upper limit alert value
10. Gust wind speed upper limit alert value
11. Daily rainfall upper limit alert value
12. Daily rainfall rate upper limit alert value

Temperature | Humidity | Wind Speed | Rainfall Alert Trigger

► When the actual detection value exceeds the arming warning value, the weather station will sound an alarm for 1 minute first, and then beep once every 5 minutes.

► The corresponding alert icon will flash when alarming.

► Press any button to stop the alert sound.

Note: If you want to permanently cancel the alert, enter the weather view mode and switch to the item you want to cancel, press the “” or “” button to set to OFF.

Frost Warning

► When the multi -combined sensor outdoor temperature (collected by the multi -combined sensor) of the corresponding remote wireless channel is within the range of - 1°C (+30°F) to +3°C (+37°F), a frost warning will be triggered, and the frost symbol “” will be displayed on the corresponding channel and flash

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 +25°F (-4°C) and the forecast would be rainy or Thunder Rainy.

► After 7-10 days of air pressure calibration, the weather station's forecast will stabilize, achieving an accuracy rate of 70%-75%.

► The weather station can display the barometric pressure trend.

► You may see the following displays:



: The barometric pressure will rise



: The barometric pressure will remain constant



: The barometric pressure will fall

Background Lighting

► If the product is powered by batteries, press the “/Z” button to activate the backlight, which will stay lit for 15 seconds.

► When the product is connected to the power supply adapter, the battery will automatically disconnect, and the backlight will always be bright. Press the “” button to adjust the backlight brightness, 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 “/Z” button will activate the maximum brightness for 20 seconds.

► The weather station can also set the backlight to automatically dim at night. Press and hold the “/Z” button for more than 3 seconds to enter the night mode setting.

► Press the “” button to confirm and move to the next item.

► Press 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  button to exit directly, omitting the settings of other items

Note: Wait for 20 seconds without pressing any buttons, or touch the  position and keep it for 1 second to exit the settings modes.

► 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 touch the  position.

► When the backlight is in night mode and the brightness is readjusted by pressing the  button, the backlight will exit the night mode and only re-enter the next day

► In the RCC receiving mode, ouch the  position can light up the backlight to the maximum brightness 15 seconds

Low Battery:

► If the  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.

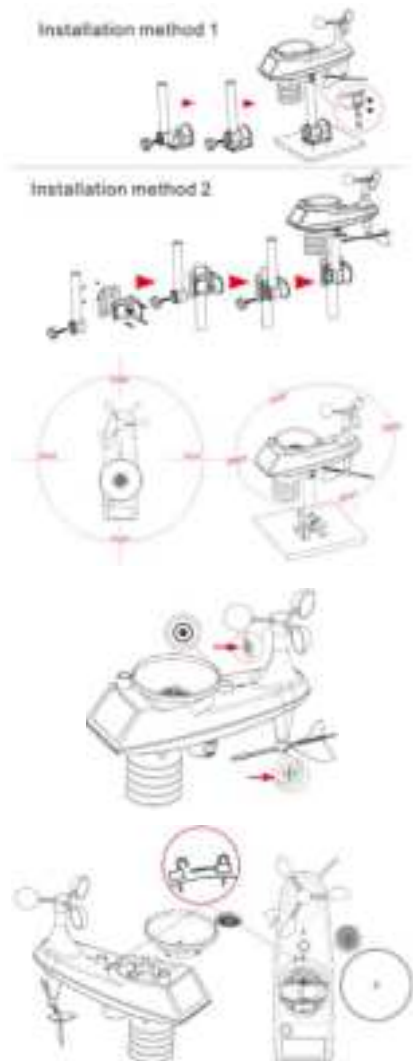
3. Remove debris from the rainwater funnel itself, especially debris from the funnel drain.

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.

