

Technical Data and Features

MAIN:

- ▶ Perpetual calendar up to year 2099
- ▶ Time in optional 12/24 hour format
- ▶ 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
- ▶ Daily alarm with snooze function (4 alarms)
- ▶ Local sunrise / sunset time and lunar phase
- ▶ Indoor & outdoor humidity measurable range: 1%RH to 99%RH
- ▶ Temperature measurement ranges:
 - Indoor: -10°C to 50°C or (14°F to 122°F)
 - Outdoor: -40°C to 70°C or (-40°F to 158°F)
 - Temperature alternatively in °C or °F.
- ▶ Maximum / Minimum indoor temperature and humidity record and query
- ▶ Wireless outdoor sensor:
 - Wall mount or table stand
 - 433.92MHz RF transmitting frequency
 - 60 meters transmission range in an open area
 - Up to 3 wireless outdoor sensors can be connected. (One wireless outdoor sensor included)
- ▶ Feels like temperature data source network
- ▶ Barometric pressure:
 - Air pressure data source network
 - Pressure alternatively in hPa/mb or inHg or mmHg
- ▶ Wind speed and direction:
 - Wind speed and direction data source network
 - Wind speed alternatively in km/h or Mph
- ▶ Air quality of PM2.5 and AQI
 - PM2.5 and AQI data source network
 - PM2.5 alternatively in $\mu\text{g}/\text{m}^3$
- ▶ UVI data source network

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▶ Future weather forecast and temperature report function, with weather forecast information provided by the network for a total of 5 days (including the same day)

▶ Connects directly to wifi network, connect to Tuya Smart System

▶ Power Supply:

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

Wireless Outdoor Sensor:

— 3 Channels selectable

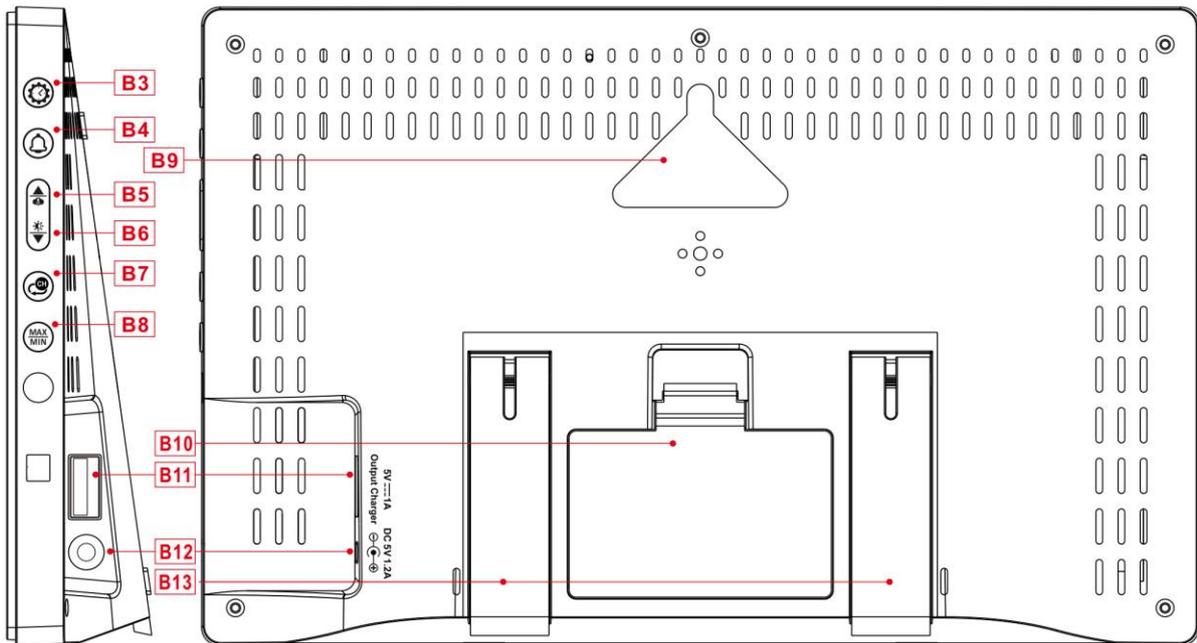
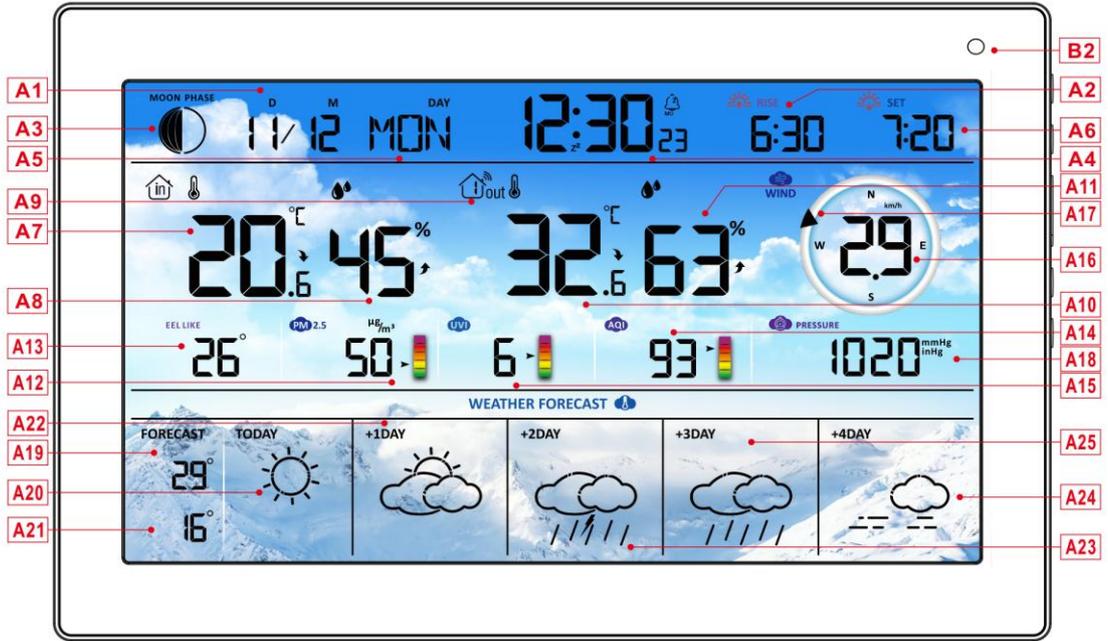
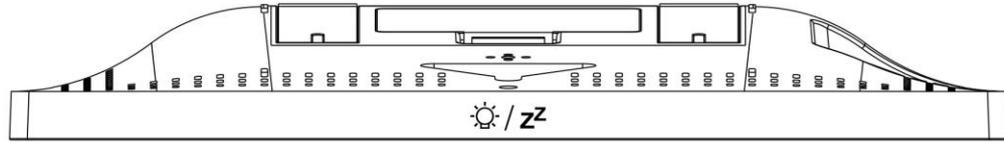
— Data transmission frequency: 433 MHz

— Wireless range: max. 60 m (open area)

— Batteries: 2 x AA 1.5 V

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MAIN Appearance:



Part A-Positive LCD

A1: Calendar

A2: Sunrise time

A3: Moon phase

A4: Time

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A5: Week for today	A6: Sunset time
A7: Indoor temperature	A8: Indoor humidity
A9: Remote wireless channel	A10: Outdoor temperature
A11: Outdoor humidity	A12: PM2.5
A13: Feel like temperature	A14: AQI
A15:UVI	A16: Wind Speed
A17: Wind Direction	A18: Barometric pressure
A19: Predicted maximum temperature today and in the next 1-4 days	A20: Weather forecast for the today
A21: Predicted minimum temperature today and in the next 1-4 days	A22: Weather forecast for the next +1 days
A23: Weather forecast for the next +2 days	A24: Weather forecast for the next +4 days
A25: Weather forecast for the next +3 days	
 : WIFI signal strength indicator	 : Low battery warning icon for the main unit
 : Network time icon	 : Icon for automatic backlight adjustment
 : Alarm1 icon	 : Alarm2 icon
 : Alarm3 icon	 : Alarm4 icon
 : Repetition of alarm clock: icons from Monday to Friday	 : Repetition of alarm clock: icons from Saturday to Sunday
 :Alarm snooze icon	 : INDOOR icon
MAX: Display the maximum temperature and humidity record icon	MIN: Display the minimum temperature and humidity record icon
 :Temperature humidity up trend arrow	 :Temperature humidity down trend arrow
 : Wireless receiving icon	 : Wireless channel loop icon

Part B – Back button and power

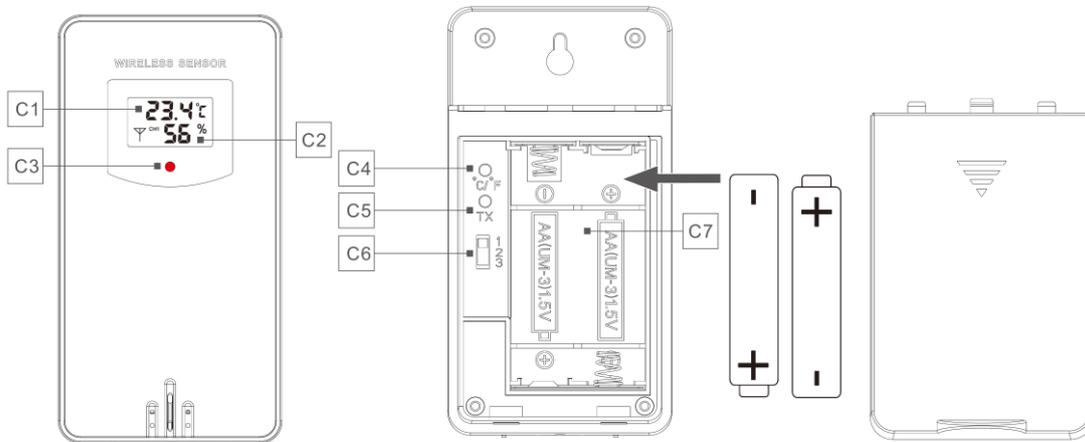
B1: “  /  ” touch key	B2: Light sensor
B3: “  ” button	B4: “  ” button
B5: “  ” button	B6: “  ” button
B7: “  ” button	B8: “  ” button
B9: Hanging hole	B10: Battery compartment

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B11: USB charger output socket

B12: DC-POWER input jack

B13: Support frame



Part C –Wireless Outdoor Sensor:

C1: LCD display – Temperature

C2: LCD display – Humidity

C3: Transmit signal LED

C4: “°C/°F” button

C5: “TX” button

C6: Channel selector switch

C7: Battery compartment

Setup Preparation

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

Fresh Batteries:

4 AA alkaline or lithium batteries (1.5V) for the weather station.

2 AA alkaline or lithium batteries (1.5V) for the Wireless Outdoor 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 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:



According to the mobile phone brand, search for “Tuya” 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 log in to the hotspot that the weather station needs to connect to, as a

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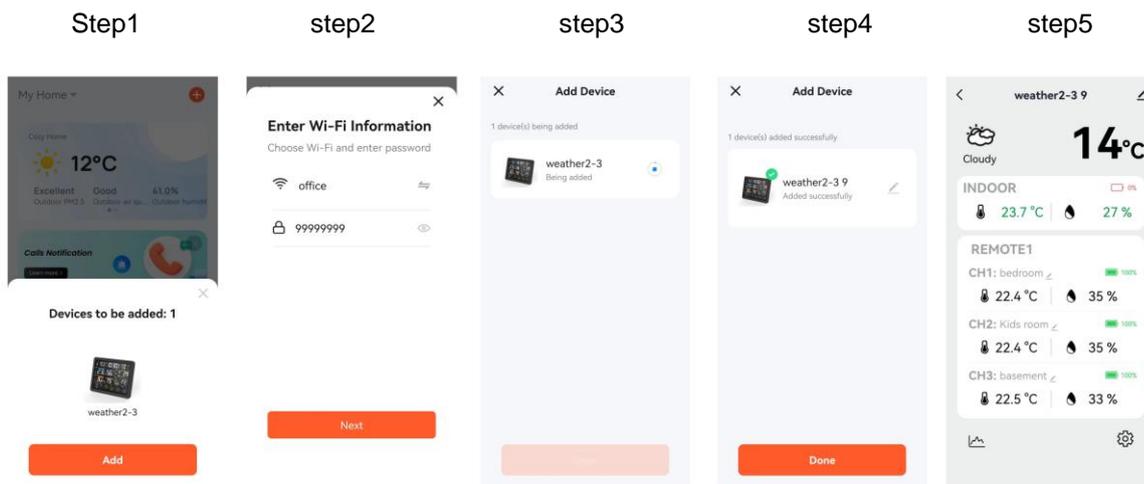
preparation for device pairing.

Quick Setup

1. Insert 2 AA batteries into the Wireless Outdoor Sensor, and set the channel to confirm the sensor, push the selection through the position of C6
2. Then plug the power cord into the weather station
3. Pair the weather station with WIFI and server information according to the APP prompts, see WIFI pairing instructions for details.
4. Configure basic settings, set time/date format and units, etc.
5. Insert 4 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 is started, it will automatically enter the pairing mode, and the WIFI icon “” will flash.
- ▶ Open the Tuya app, tap the “” icon in the top right corner, and select "Add Device." The app will automatically search for nearby devices. Once your device appears, tap "Add" and follow the on-screen instructions to complete the setup.
- ▶ Then follow the APP prompts, step 2: set the WIFI name and password, step 3: pairing process, wait for the screen to change to step 4, click Done, switch to the main interface of step 5, indicating that the pairing is complete.



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

- ▶ If the main unit 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.

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- ▶ Once pairing is complete, the weather station will automatically connect to the WLAN, sync the network time, and begin scanning for signals from remote wireless sensors. The “” icon blinks for about 3 minutes. At this time, if the outdoor wireless sensor is functioning properly, the main unit will begin searching for its signal within 1–2 minutes. Once received, the outdoor temperature and humidity will appear on the display.

Outdoor Sensor Transmission:

- ▶ The main unit supports up to 3 wireless sensors. When using multiple sensors, make sure each one is set to a different channel (1, 2, or 3), as duplicate channels cannot be used simultaneously.
- ▶ Press the “” button to cycle through the outdoor temperature and humidity readings from different channels.
- ▶ If the main unit cannot receive the transmission from the outdoor sensor (“- -” is displayed on the LCD), press and hold the “” button for 3 seconds to receive the transmission manually. The outdoor temperature will show the RF antenna icon flashing, and the base station will re-receive the wireless signal from the outdoor sensor.

Note: when the wireless sensor set up different channels, the base station OUT also need to switch to the same channel. When there is no wireless sensor signal transmission on the channel, “- -” will be displayed in the channel of the base station. Please note that the channel of the sensor and the weather station should be consistent.

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. Hold the “” or “” button to adjust quickly.
- ▶ Press the “” button to confirm and move to the next item.

Note: After 20 seconds without pressing any button to exit the settings.

Settings order:

1. Temperature unit: °C | °F
2. Pressure unit: hPa | inHg | mmHg
3. Wind speed unit: km/h | mph | m/s | knots
4. Hour format: 24Hr | 12Hr
5. Hour
6. minutes
7. Calendar display format: Month/Date | Date/Month
8. Year
9. Month
10. Date
11. Week display language: a total of 15 countries

Note: Once connected to Wi-Fi, the device will automatically sync the time via the network. You only need to set your preferred display format.

Note: When setting the time, minute changes will automatically start from the zero second mark.

Note: There are 15 languages of Weekday: English, German, French, Spanish, Italian, Dutch, Danish,

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Portuguese, Norwegian, Swedish, Polish, Finnish, Czech, Hungarian, and Slovakia

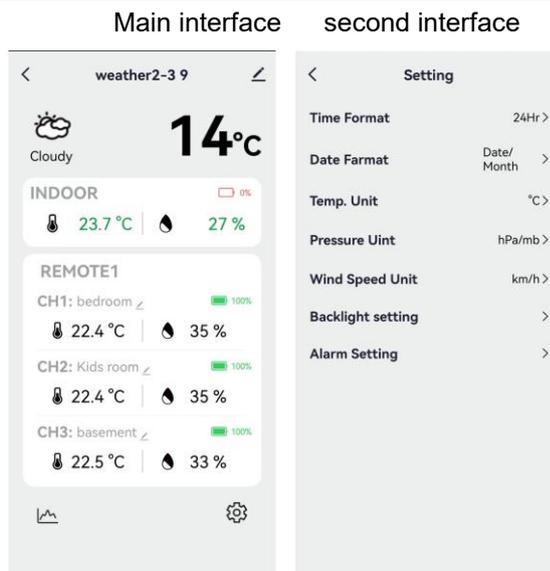
Week language display

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	VENREDI	SAMEDI	DIMANCHE
FRE	LUN	MAR	MER	JEU	VEN	SAM	DIM
ITALIAN	LUNEDI	MARTEDI	MERCOLEDI	GIOVEDI	VENERDI	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	TORS DAG	FREDAG	LØRDAG	SØNDAG
DAN	MAN	TIR	ONS	TOR	FRE	LOR	SON
NORWEGIAN	MANDAG	TIRSDAG	ONSDAG	TORS DAG	FREDAG	LØRDAG	SØNDAG
NOR	MAN	TIR	ONS	TOR	FRE	LOR	SON
SWEDISH	MÅNDAG	TISDAG	ONSDAG	TORS DAG	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	CSÜTÖRTÓK	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

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Setting the Daily Alarms:

▶ There are four daily alarms available, with two ways to set them: either directly through the weather station's buttons or via the alarm settings in the Tuya app interface.

Button Operation of Weather Station

- ▶ Short press the “🔔” button to cycle through the alarm time displays: AL1, AL2, AL3, and AL4. In each interface, press the “🔔” button to turn the corresponding alarm on or off. When enabled, the alarm icon will appear on the screen.
- ▶ In these ALARM interfaces, press and hold the “🔔” button for more than 3 seconds to enter the setting mode of the corresponding alarm time.
- ▶ Press the “⬆️” or “⬇️” button to adjust the value. Hold the “⬆️” or “⬇️” button to adjust quickly.
- ▶ Press the “⚙️” button to confirm and move to the next item.

Note: When the function of AL1 | AL2 | AL3 | AL4 is turned on, the alarm icon is displayed. At the same time, the relevant alarm repeat icon “MA” | “TU” | “WE” | “TH” | “FR” | “SA” | “SU” is displayed

Note: “MA” | “TU” | “WE” | “TH” | “FR” | “SA” | “SU” display indicates that an alarm will be triggered on Monday | Tuesday | Wednesday | Thursday | Friday | Saturday | Sunday

Note: Wait for 20 seconds without pressing any buttons, or press the “⚙️” button to exit the viewing modes.

Settings order:

1. Hours of alarm time
2. Minutes of the alarm time

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3. Week repeat of the alarm

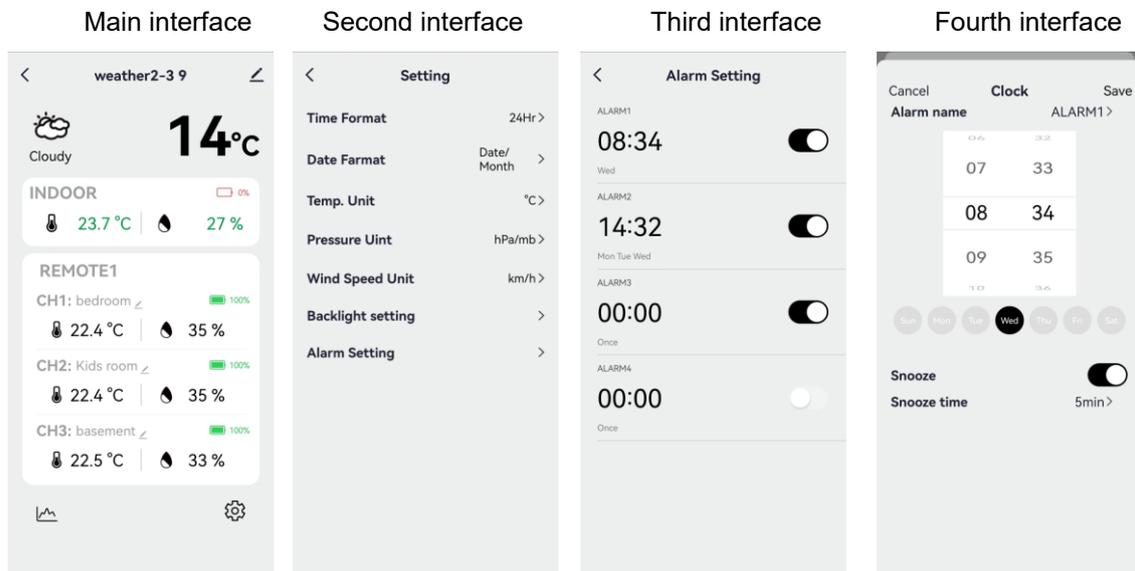
4. snooze time: 5 to 60minutes | OFF

Note: The manual setting of noise repetition can be selected from "MO, TU, WE, TH, FR or SA, SU, or all three options

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

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.



Note: Weekly repetition in the APP can be set independently for each day

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

▶ When the alarm sounds, press any buttons except the "🔔/ZZ" touch button or touch and hold the "🔔/ZZ" button for more than 3 seconds to stop the alarm signal.

Snooze Function:

▶ When the alarm time is reached, touch and release the "🔔/ZZ" touch button to stop the alarm and activate snooze mode. The alarm will sound again after the snooze period ends, and this can repeat.

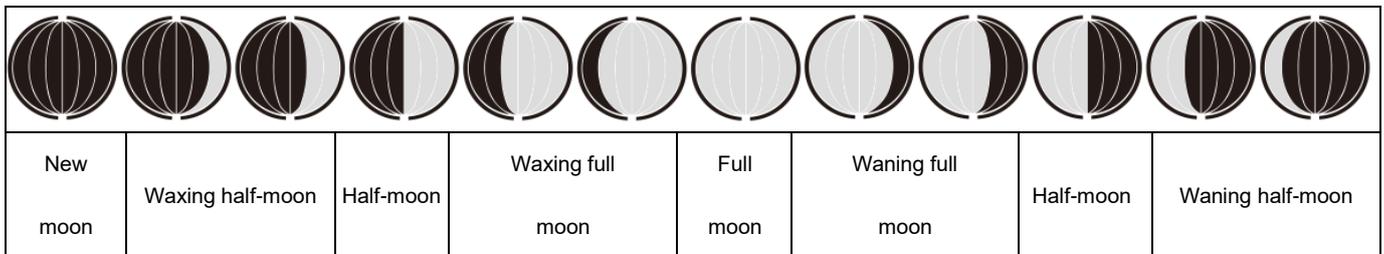
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- ▶ In snooze timing mode, press any buttons except the “☀️ / Z” touch button or touch hold down the “☀️ / Z” touch button for more than 3 seconds to exit the snooze mode

Note: The snooze time is five minutes

Moon Phases :

- ▶ The moon icon of the meteorological station will also display 12 different lunar phases based on the calendar.



Temperature | Humidity Reading | Record |Trend

- ▶ To toggle indoor/outdoor maximum, minimum temperature and humidity data, press the “^{MAX}/_{MIN}” button:
 - Once to show the maximum indoor temperature and humidity values.
 - Twice to show the minimum indoor temperature and humidity values.
 - Three times to return to the current indoor temperature and humidity levels.
- ▶ To reset the maximum and minimum indoor temperature and humidity data, press and hold the “^{MAX}/_{MIN}” button for about 2 seconds. This will reset all minimum and maximum data recorded to the current displayed values, contains outdoor temperature records.

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

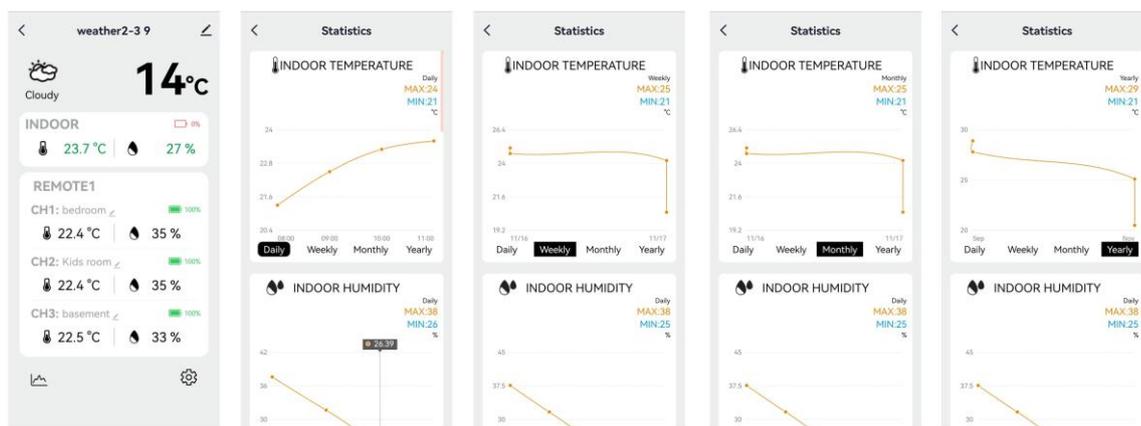
- ▶ Indoor temperature | Humidity and outdoor remote temperature | Humidity will have trend change tips
 - ↗ : Detected value is rising.
 - ↘ : Detected value drops.
 - No display: Detected value remains unchanged.

The Recording Curve of Temperature and Humidity 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

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Feel Like Temperature | Air Pressure | PM2.5 | AQI |UV Index Reading

▶ Feed Like Temperature | Air Pressure | PM2.5 | AQI | UV Index comes from the network and is the current real-time data, automatically updated hourly from the network

LOW BATTERY:

- ▶ If the battery icon “” appears in the “” column, please replace the base station batteries promptly..
- ▶ If the battery icon “” appears in the “” column, identify the corresponding channel and replace the battery of that remote sensor in time.

Background Lighting

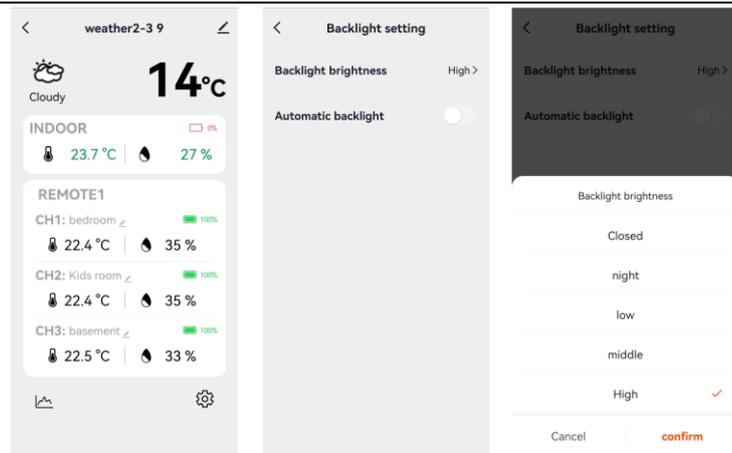
- ▶ If the product is powered by batteries, touch the “ / ZZ” button to activate the backlight, which will stay on for 15 seconds.
- ▶ When the product is connected to the power supply adapter, the battery power will automatically disconnect, and the backlight will remain constantly illuminated. Press 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, touch the “ / ZZ” button set the backlight to maximum brightness for 15 seconds.
- ▶ When the power supply is connected to the adapter, touch and hold the “ / ZZ” and hold for more than 3 seconds to activate light sensing mode. The light sensing icon “” will appear, and the backlight will automatically adjust based on the surrounding light. The darker the environment, the dimmer the backlight will be.
- ▶ In light sensing mode, press the “” button to toggle the backlight on or off.

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

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Explanation of Network Weather Forecast

- ▶ After the weather station is connected to the WIFI hotspot, the weather station automatically downloads the weather forecast for the current day and the next four days from the network.
- ▶ The weather station automatically uploads indoor/outdoor temperature/humidity data detected inside the station to the server, and the APP can automatically download data from the server through the network.
- ▶ Weather station icons that can be displayed:

sunny	Mostly sunny	Partly cloudy	Mostly cloudy	Cloudy	Patchy Rain
Mostly Rain	Heavy Rain	Heavy rainstorm	Partly Shower	Showers	strong shower
thunder shower	thunder	Thunderstorms	Thunder showers accompanied by hail	Patchy Snow	Mostly Snow
Heavy Snow	Partly Snow shower	Snow shower	Rain and Snow	Rain and Hail	Hail

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Foggy	Haze	floating dust	Sand blowing	sandstorm	
					

- ▶ The main interface displays the predicted maximum and minimum temperatures for the day. To view the data for the next 4 days, press the “” button to switch between them.