



EMAX 2A99K2 Wifi Weather Station User Manual

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EMAX 2A99K2 Wifi Weather Station



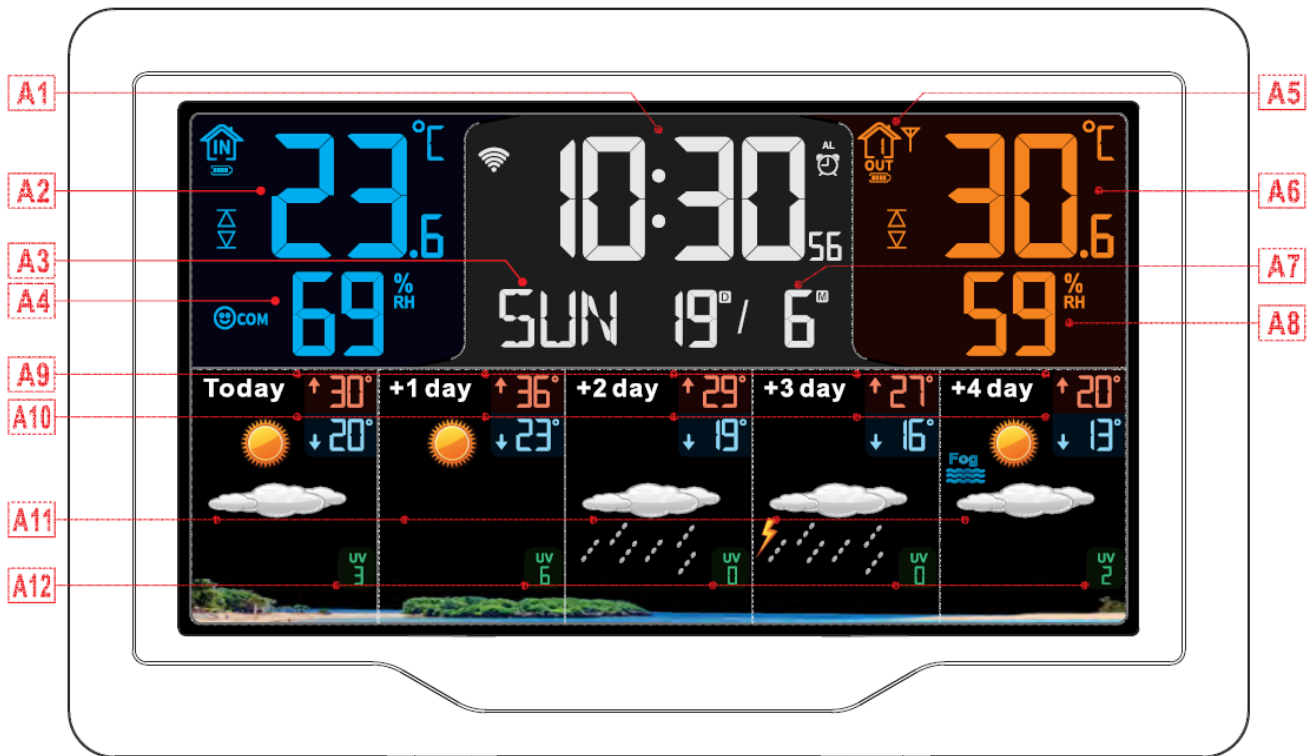
Main Functions

- Connects with WIFI network, work with TUYA Smart APP
- Time, calendar setting and weather forecast information provided by the network
- Perpetual Calendar Up to Year 2099
- Time in optional 12/24 hour format.
- One USB output port for charger
- Three Daily Alarms with snooze function {5 MIN}
- Indoor & outdoor humidity measurable range: 1%RH ~ 99%RH
- Temperature measurement ranges:
 - Indoor:-10°C ~ 50°C or {14°F ~ 122°F}
 - Outdoor:-40°C ~ 70°C or {-40°F ~ 158°F}
 - Temperature alternatively in °C or °F.
- Maximum/ Minimum indoor temperature and humidity record
- Wireless Outdoor Sensor:
 - Wall Mount or Table Stand
 - 433.90MHz RF transmitting frequency
 - 60 meters transmission range in an open area
 - Up to 3 wireless outdoor sensors can be connected. {Only one Included}
- Power Supply:
- Battery: 2 x LR06, 1.5 V {size AA}
- Equipment power input: DC 5V more than 1A {Power Adapter}

Wireless Outdoor Sensor

- 3 Channels selectable
- Data transmission frequency: 433 MHz
- Wireless range: max. 60 m {open area}
- Batteries: 2 x LR03, 1.5 V {size AAA}

Product Appearance



Part A- LCD

A1: Time

A2: Indoor temperature

A3: Week

A4: Indoor humidity

AS: Remote sensor channel

A6: Outdoor temperature

A7: Calendar

AS: Outdoor humidity

A9: Predicted maximum temperature today and in the next 1-4 days

A10: Predicted minimum temperature today and in the next 1-4 days

A11: Weather forecast for today and the next 1-4 days

A12: UV index forecast today and in the next 1-4 days



: WIFI signal



: battery level icon



: Wireless receiving icon



:Daylight saving time icon

MAX: Display the maximum indoor temperature and humidity record icon

MIN: Display the minimum indoor temperature and humidity record icon



: Temperature upper limit alert icon



: Temperature lower limit alert icon



DRY:Indoor comfort level: dry icon



COM:Indoor comfort level: comfortable icon



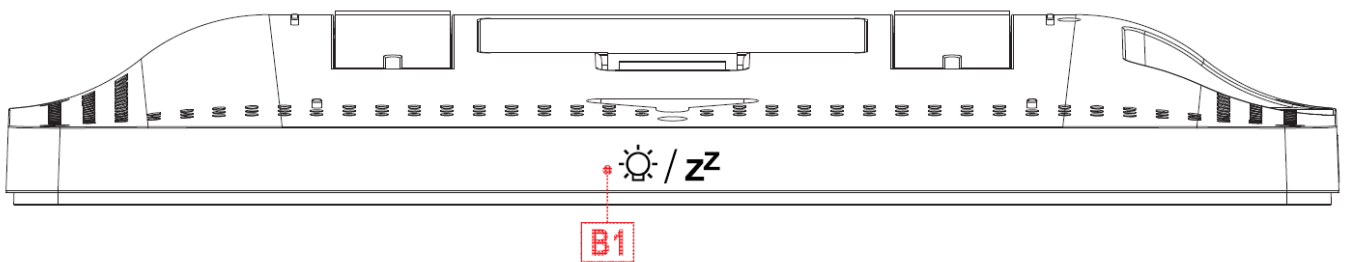
WET:Indoor comfort level: wet icon

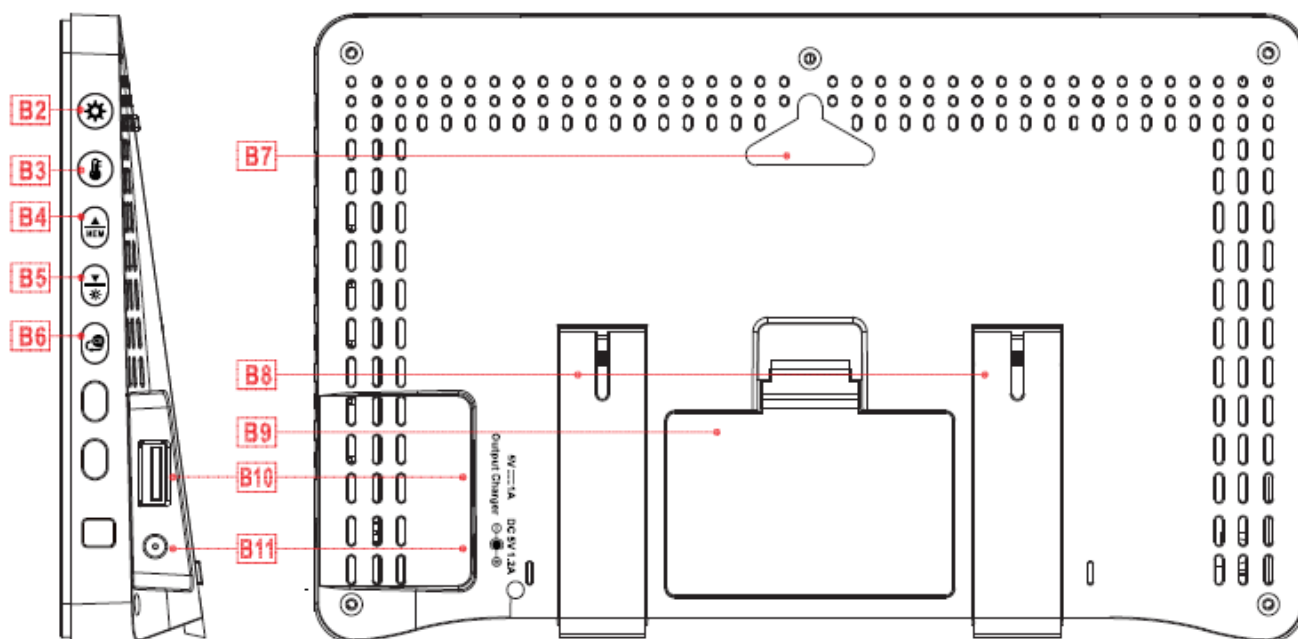
AL



: time alarm icon

Part B – Back button and power





B1: “☀ / ZZ” touch key

B2: “⚙” button

B3: “🌡” button

B4: “MEM” button

B5: “☀” button

B6: “🔄 CH” button

B7: Hanging hole

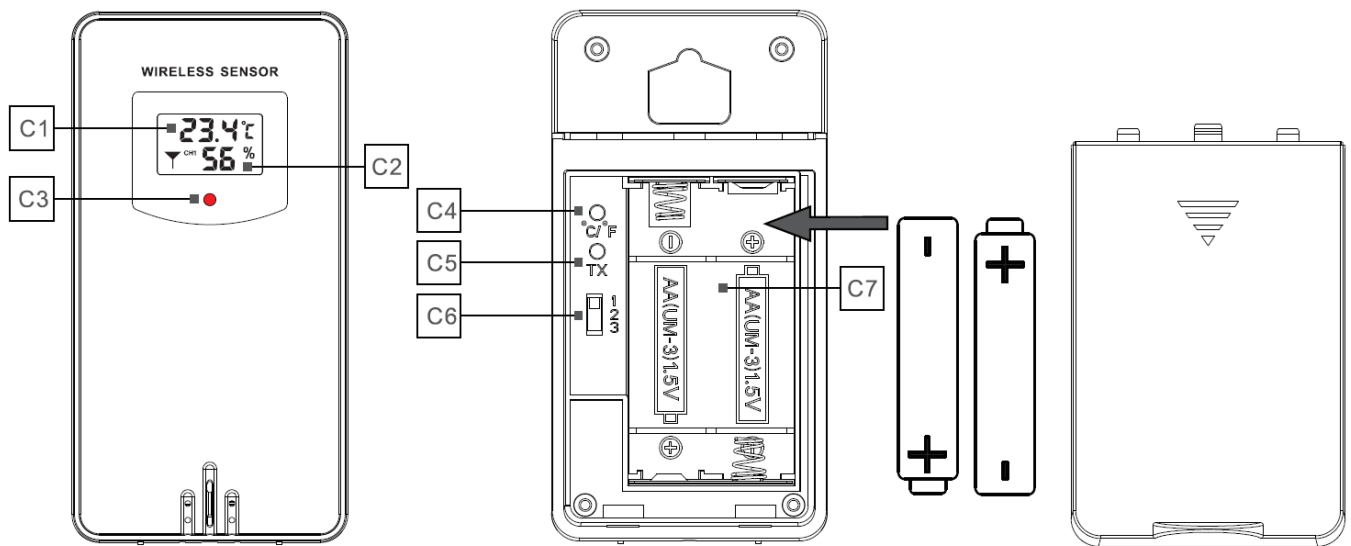
B8: Support frame

B9: Battery compartment

B10: USB charging port

B11: DC-POWER input port

Part C – Wireless Sensor



- C1: LCD display- Temperature
 C2: LCD display- Humidity
 C3: Transmit signal LED
 C4: “°C/F” button
 C5: “TX” button
 C6: Channel switch
 C7: Battery compartment

Quick Setup

- Plug the power adapter into the weather station, also insert 2 AA batteries into the weather station {battery backup for setting save}
- Pair the weather station with WIFI and configure basic settings, set time/date format and units, etc., see WIFI pairing instructions for details below.
- 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.

Download TUYA Smart App



According to the mobile phone brand, search and download the TUYA APP through the 105 APP Store or Android Google Play. And then, please follow the app to register or log in your account.

WIFI Pairing

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

- When the weather station is powered by adapter, it will automatically enter the pairing mode, and the WI FI icon

will flash.

- Open the TUYA APP, click the + icon in the upper right of the screen, and select Add Device. Wait for the APP find device and then click Add, and then follow the app prompts to connect to WiFi and complete device pairing.
- If the product does not automatically enter the pairing mode when powered, you can press and hold the 11 button for more than 3 seconds to enter the pairing mode manually, icon • of the will flash. Then open the app and proceed with the operation. After successful connection, the ½ T icon will stop flashing.
- After the pairing is completed, the weather station will automatically connect to the WLAN, automatically setting the time, calendar and other weather data. And weather station will start to searching for signals from remote wireless sensors, the "T" icon will flash for about 3 minutes until data received.

Outdoor Sensor RF Transmission

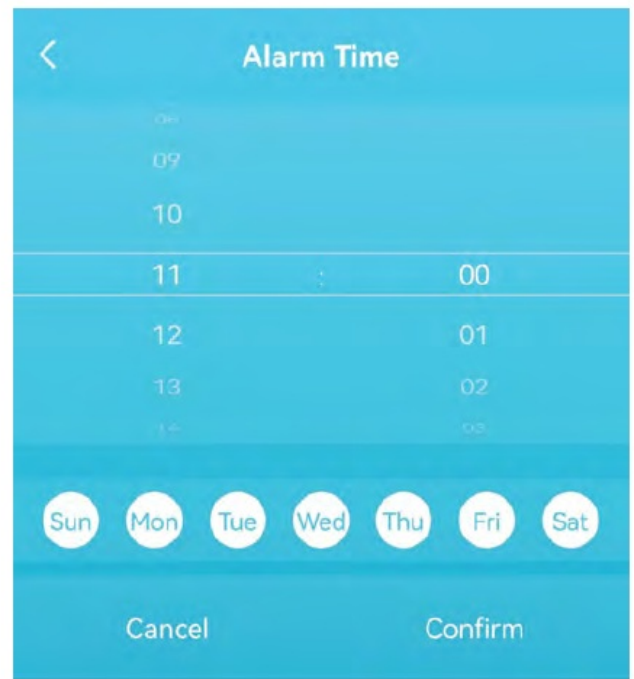
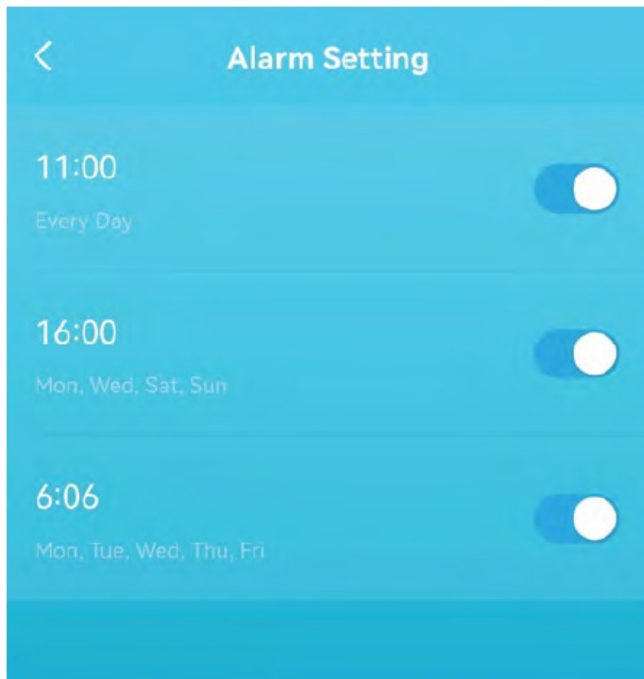
- The main unit can connect up to 3 channel wireless sensor, the wireless sensor channel cannot choose the same channel at the same time (a total of 1, 2, 3 channel can choose). This product only includes one remote sensor, recommended to set set in channel 1.
- Press the "CH" button can switch the display of different channels of outdoor sensor.
- ("—" is displayed on the LCD), press and hold the "CH" • button for 3 seconds to receive the transmission manually. The "T" icon will flashing for about 3 minutes until data received.

Weather Station Setting via TUYA APP APP – Alarm Clock Setting

- Enter to the APP and find "Alarm Setting" button.



- There are three alarm clocks that can be set according to different needs. You also can freely choose which day of the week the alarm will ring, white background color means the selected. Button turn left means ON and turn right means OFF. When alarm turn ON, AL icon will display in the screen next to the Time.



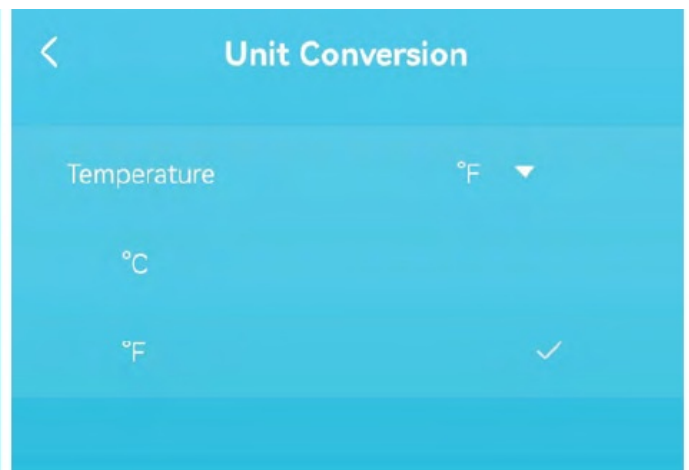
- The alarm will sound for 2 minutes if you do not deactivate it by pressing any button. In this case the alarm will be repeated automatically after 24 hours.
- Rising alarm sound (crescendo, duration: 2 minutes) changes the volume 4 times whilst the alarm signal is heard.

APP – Temperature unit Setting

- Enter to the APP and find “Unit Conversion” button.



Click “v” button to select °C or °F, click “Confirm” to complete the setting.

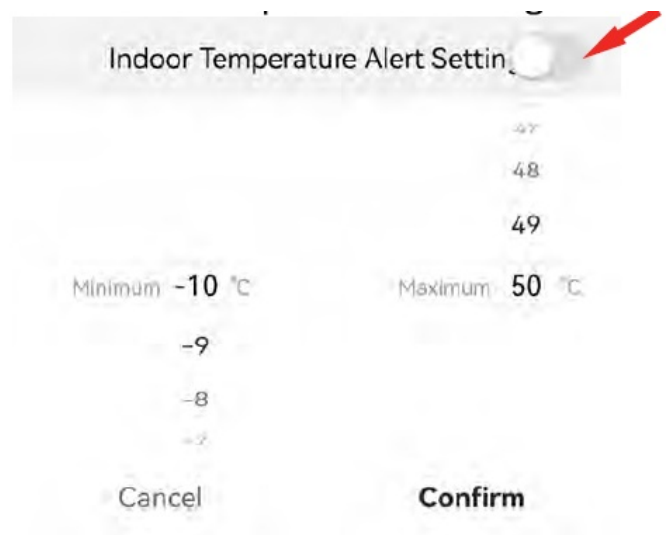


APP – Temperature Alert Setting

Enter to the APP and find “Temperature Alert” button.



First, select the which temperature alarm you want to set, and then set the minimum and maximum temperature you want, there is the ON/OFF switch button in the upper right corner, click “Confirm” to complete the setting.



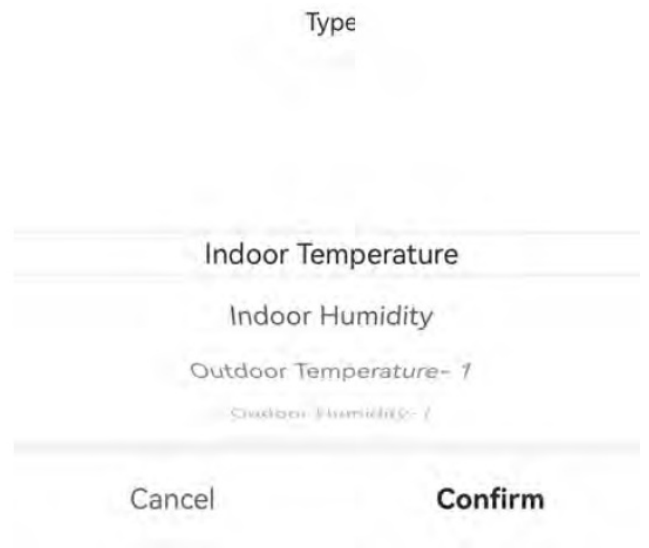
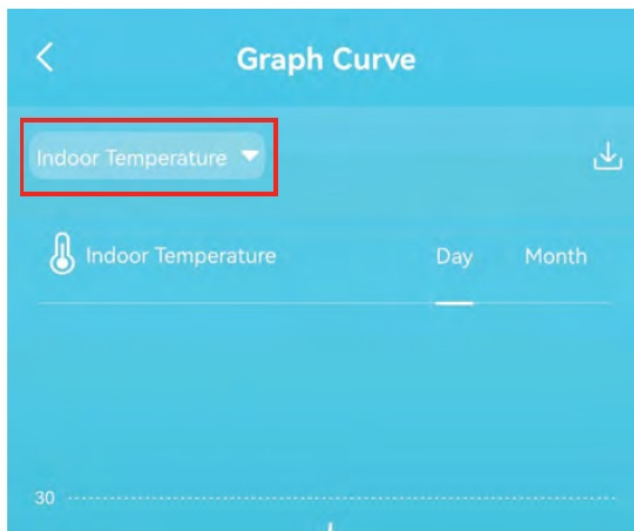
When the actual detection value exceeds the arming warning setting value, the weather station will ring the alarm for 10 seconds, and then alarm will sound every 1 minute for 5 times. During this process, press any button to stop the alarm sound.

APP – View Weather Data Graph

Enter to the APP and find “Graph Curve” button.




Click button on the left upper corner to select which data curve want to view.








At the same time, you can choose to view data for the current day or current month, as well as data from previous dates or months. Click on the icon in the upper right corner to download the data to your own email for viewing.

Manual Weather Station Setting

- We suggest that use the APP for more convenient settings. If you want to manually set it up via weather station, please refer to the following steps.

► 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.

Settings order

1. Temperature unit: °C | °F
2. Calendar display format: Month/Date | Date/Month
3. Year
4. Month
5. Date
6. Hour format: 24Hr | 12Hr
7. Hour
8. Minutes

Daily Alarms Setting



- Short press the  button to switch the alarm time displayed in AL1 AL2 AL3. In these three interfaces, when alarm display, short press the "MEM" button to turn ON or OFF the corresponding alarm function.
- In these three ALARM interfaces, press and hold the  button for more than 3 seconds to enter the setting mode of the corresponding alarm time
- Press the "MEM" button to adjust the value.
- Press the "" button to confirm and move to the next item.

Settings order




1. Hours of alarm time
2. Minutes of the alarm time
3. Week repeat of the alarm

There are 7 kinds of weekly repetitions of the alarm clock, Monday (MO), Tuesday (TU), Wednesday (WE), Thursday (TH), Friday (FR), Saturday (SA) and Sunday (SU), the weather station button operation can be set
There are three options: Monday to Friday, Saturday to Sunday and Monday to Sunday.

Switching OFF the Alarm Ring

When the alarm clock rings, press any buttons except the " / ZZ" touch button to stop. Or touch and hold the " / ZZ" button for more than 3 seconds to stop the alarm signal.



Snooze Function

- When the alarm clock rings, touch the " / ZZ" touch button once, the alarm signal stops and enter to the snooze timing mode, alarm will ring again after 5 minutes.
- In snooze timing mode, press any buttons except the " / ZZ" touch button or touch hold down the " / ZZ" touch button for more than 3 seconds to exit the snooze mode

Temperature Alert Setting

- Short press the "" button to turn ON or OFF the temperature alarm function. When the temperature alarm is

turned on, the icon will display in the screen.
























- Press and hold the “” button for 3 seconds to enter the temperature alert setting mode.
- When the corresponding value flashes, press the MEM button to adjust the value.
- Press and release the “” button to confirm and move to the next item.
- When set Outdoor sensor alert, press and release the CH button to switch to other channels. A total of 3 channels: OUT 1 OUT 2 OUT 3

Settings order

1. Indoor temperature upper limit alert value
2. Indoor temperature lower limit alert value
3. Outdoor temperature upper limit alert value
4. Outdoor temperature lower limit alert value

Weather Forecast Data from Network

- When weather station is connected to the WIFI, the weather station automatically downloads the weather forecast for the current day and the next four days from the network, also update the highest I lowest temperature and UV index forecast.
- The weather station automatically uploads the temperature humidity data detected in the station from the weather station to the server, and the APP can automatically download the data from the server through the network.
- Weather station icons that can be displayed:

sunny	partly cloudy	Cloudy	thunder	thunder shower	Thunderstorms
					
light rain	moderate rain	heavy rain	Rainstorm (icon flashes)	showers	strong shower
					
snow	Medium snow	heavy snow	Blizzard (icon flashes)	small snow showers	snow showers
					
sleet	fog	haze	Sand blowing	Sandstorm (icon flashes)	
					

View Maximum/Minimum Indoor Temperature/ Humidity

- To toggle indoor/outdoor maximum , minimum temperature and humidity data, press the “MEM” 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 .
- Press and hold the “MEM” button about 2 seconds to reset all minimum and maximum data recorded.
- If the temperature reading is below ranges, the LL.L will be displayed. If the temperature reading is above ranges, the HH.H will be displayed.

Low Battery


- If the battery icon appears in the “IN” column, please change the battery of the main station
- If the battery icon appears in the “OUT ” column, please change the battery of the remote sensor.

Backlight and Power Supply

- When product is inserted and powered by power adapter, the battery will automatically disconnect the power supply, and the backlight will always be bright. Short press the button to adjust the brightness of the backlight,

- you can adjust the 4 state: High, Medium, Low and turn OFF backlight. When the backlight brightness is not at the maximum brightness, press the “☀️ / ZZ” button to turn maximum brightness of 15 seconds.
- If the product is powered by batteries, backlight only lit 15 seconds by touch the “☀️ / ZZ” location button. We would suggest that use the power adapter all the time to make sure product work well.
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Documents / Resources

	<p>EMAX 2A99K2 Wifi Weather Station [pdf] User Manual</p> <p>2A99K2 Wifi Weather Station, 2A99K2, Wifi Weather Station, Weather Station</p>
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References

- [User Manual](#)

[Manuals+](#). [Privacy Policy](#)

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