

WIFI weather station of smart

Model:W4

Technical Data and Features

Base station:

- ▶ Perpetual Calendar Up to Year 2099
- ▶ Day of week in 8 languages user selectable: English, German, Italian, French, Spanish, Dutch, Danish and Russian
- ▶ Time in optional 12/24 hour format.
- ▶ Automatic calibration of network time service
- ▶ 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
- ▶ Indoor humidity measurable range: 20%RH to 95%RH
- ▶ Indoor temperature:
 - Temperature measurement ranges:-20°C to 60°C or(-4°F to 140°F)
 - Temperature alternatively in °C or °F.
- ▶ Minimum/maximum display for humidity and temperature
- ▶ Feels like temperature data source network
- ▶ The future weather forecast and temperature report function, weather forecast information provided by the network
- ▶ Connects directly to Wi-Fi network
- ▶ Power Supply:
 - Battery: 2 x LR6 AA and mains adapter: DC5V 1.2A

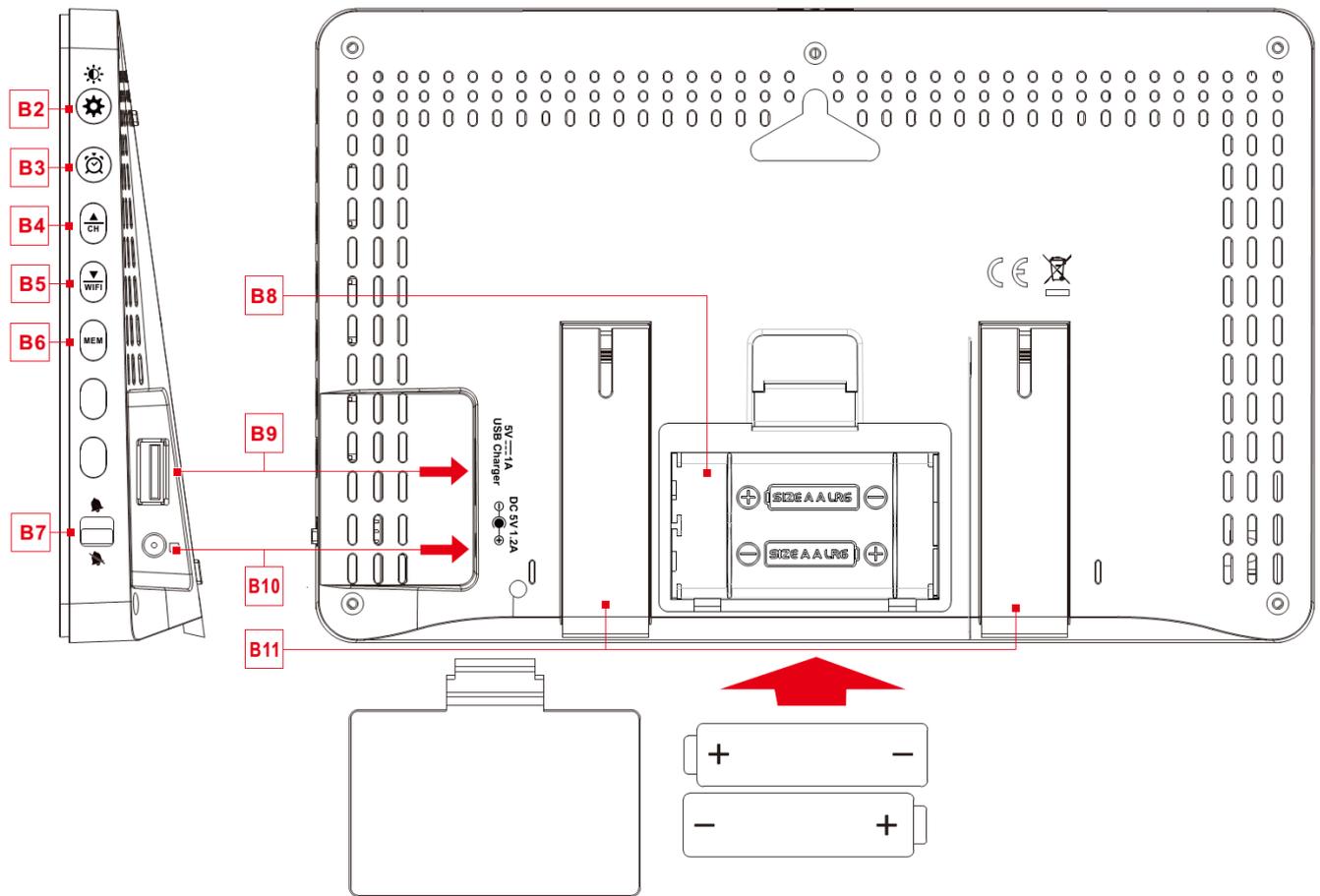
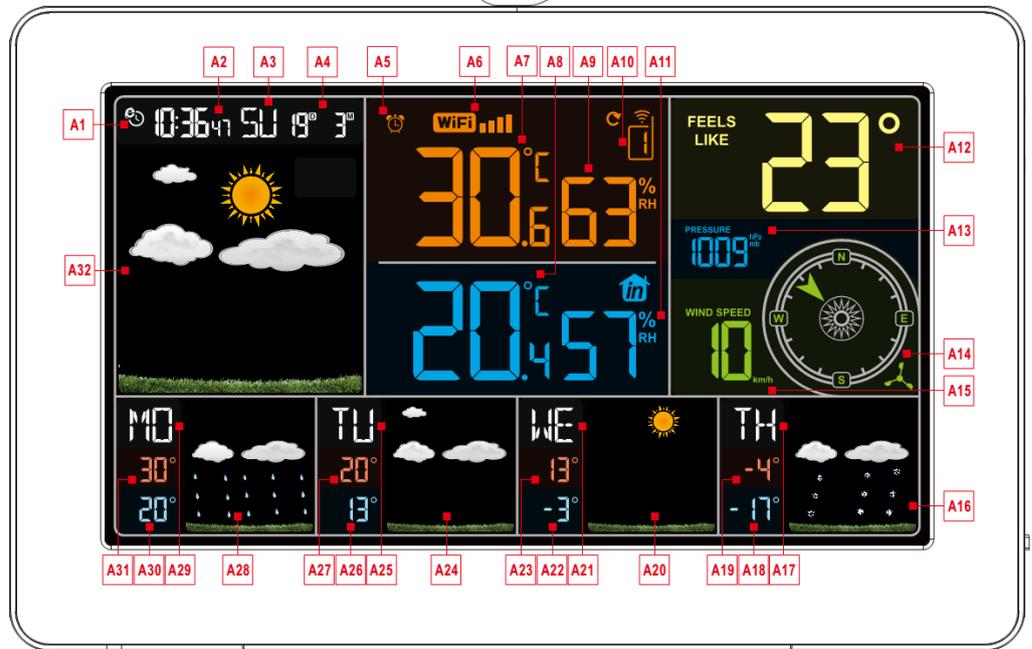
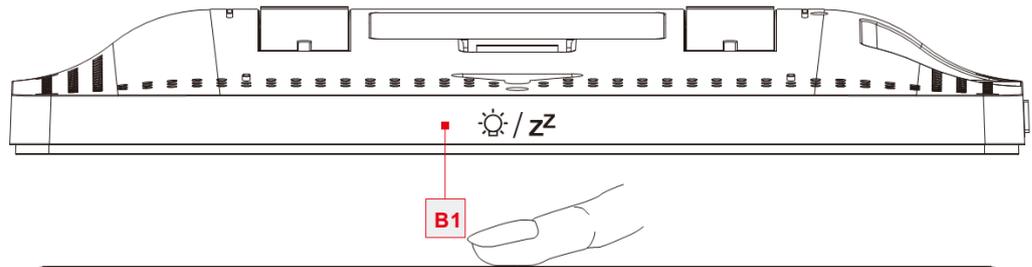
Wireless Outdoor Sensor:

- Outdoor temperature measurement ranges: -40°C (-4°F) ~ 70°C (158°F)
- Outdoor measurable range: 20%RH to 95%RH
- Data transmission frequency: 433 MHz
- Wireless range: max. 60 m (open area)
- Batteries: 2 x LR06 (UM-3), 1.5 V (size AA)
- Protection class: IPX4

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Model:W4

Base station Appearance:



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Model:W4

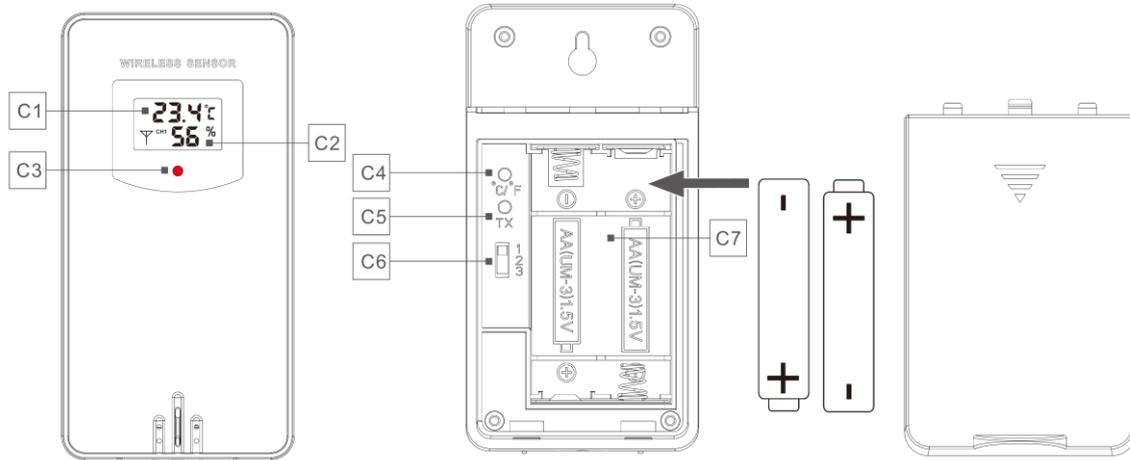
Part A-Positive LCD

A1: Network Time icon	A2: Time
A3: Week for today	A4: Calendar
A5: ALARM icon	A6: WIFI icon
A7: Indoor Temperature	A8: Outdoor Temperature
A9: Indoor Humidity	A10: Remote wireless channel
A11: Outdoor Humidity	A12: Feels Like Temperature
A13: Barometric pressure	A14: Wind Direction
A15: Wind Speed	A16: Weather forecast for the next forth days
A17: Week for the next forth days	A18: Minimum temperature forecast for the next forth days
A19: Maximum temperature forecasts for the next forth days	A20: Weather forecast for the next third days
A21: Week for the next third days	A22: Minimum temperature forecast for the next third days
A23: Maximum temperature forecasts for the next third days	A24: Weather forecast for the next second days
A25: Week for the next second days	A26: Minimum temperature forecast for the next second days
A27: Maximum temperature forecasts for the next second days	A28: Weather forecast for tomorrow
A29: Week for tomorrow	A30: Minimum temperature forecast for tomorrow
A31: Maximum temperature forecast for tomorrow	A32: Weather forecast for today

Part B – Back button and power

B1: “☀️/ zZ” touch field	B2: “⚙️” and “🌙” button
B3: “🔍” button	B4: “⬆️/ CH” button
B5: “📶/ WIFI” button	B6: “MEM” button
B7: Alarm on/off shift switch	B8: Battery compartment
B9: USB charger output socket	B10: Power supply socket
B11: Support frame	

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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

Initial operation:

- ▶ Open Wireless Outdoor Sensor battery compartment cover , Push the Channel selector switch in the battery compartment of the Wireless Outdoor Sensor, set the correct channel you want ,Insert 2 x AA batteries observing polarity [“+” and “-“ marks]
- ▶ When you insert the batteries, all the icon on the LCD display will briefly light up for 3 seconds, the Wireless Outdoor Sensor began to switch to the normal working mode, to detect the temperature and humidity in the environment . At this time, the sensor will transmit 1 wireless signals, and the interval of about 1 minutes will automatically transmit the 1 wireless signal, each transmitted 1 wireless signal emission sensor indicator will flash 1 times.
- ▶ APP software for installing base station :

DOWNLOAD APP:



Hardware Requirements:

iPhone 4s (or above) enabled smart device

Software Requirements

iOS 7 (or above) or Android 4.3 (or above)

Download APP (Weather Sense)

Download IOS APP application software URL:

<https://itunes.apple.com/cn/app/weathersense/id1273633929?mt=8>



Download Android APP application software URL:

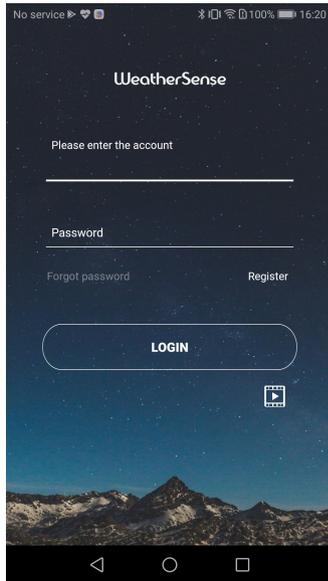
<https://play.google.com/store/apps/details?id=com.emax.weahter>



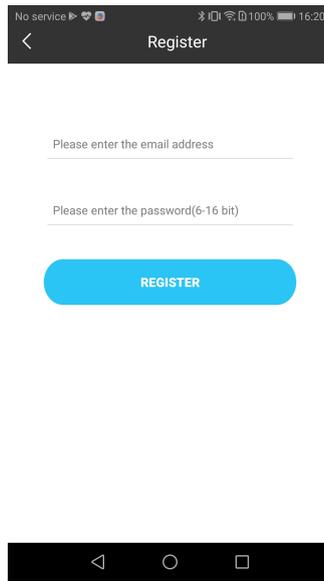
- ▶ User registration :

Follow in-app instructions to create an account, after registration is completed, enter the mailbox for account

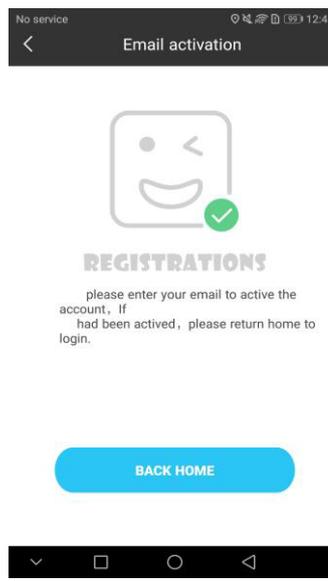
activation



Account login and register



Account registration



mailbox account activation

► Pairing with weather station

ANDROID SYSTEM PHONE VERSION

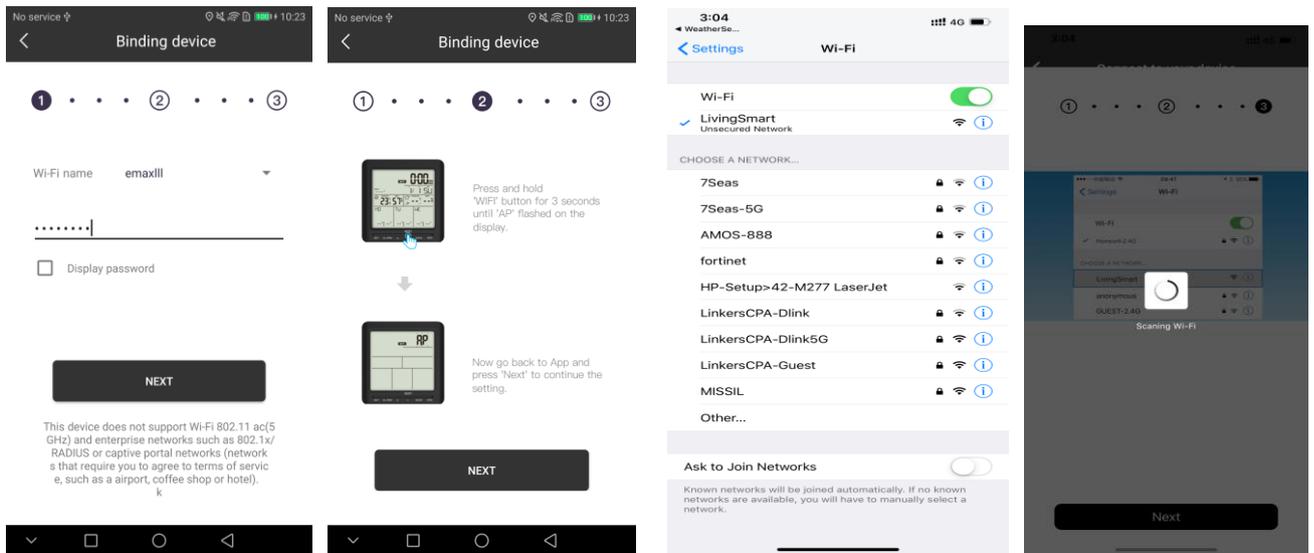
1. Login account
2. Make sure your phone is connected to a 2.4GHz WiFi network.
WiFi weather station currently only support 2.4GHz WiFi network during configuration,
3. Plug in weatherstation with AC/DC power, Press and hold "Wi-Fi" button for 3 seconds until "AP" blinking on the device display. If the device is first enabled, it will automatically enter AP mode, and "AP" blinks on the display.
4. Make sure WiFi password you're inputting is correct.
5. Follow the in-app instructions to pair the weather station device.
6. When the notice of connection successful appears in the App. Please Press and hold "WiFi" buttons 3 seconds on the device to leave AP mode if Device does not automatically exit AP mode
7. Confirm the city of your current location
Make sure your phone's location service are turned on and allowed for this App.
Make sure that your current location city can be successfully located in the map. Some cities may fail to locate because there is no corresponding success in the app. You can manually move the location or be automatically positioned to a large administrative level city.
8. The device will connect to your home WiFi network automatically in few minutes. WiFi and signal symbol and All weather data will be displayed after WiFi is successfully connected.

IOS SYSTEM PHONE VERSION

1. Log in account
2. Make sure your phone is connected to a 2.4GHz WiFi network.
WiFi weather station currently only support 2.4GHz WiFi network during configuration,
3. Plug in weatherstation with AC/DC power, Press and hold "Wi-Fi" button for 3 seconds until "AP" blinking on the device display. If the device is first enabled, it will automatically enter AP mode, and "AP" blinks on the display.
4. Make sure WiFi password you're inputting is correct.

W4 Manual

- Follow the in-app instructions to pair the weather station device.
- Follow the App instructions of “ Go to WiFi settings,choose LivingSmart and then back to App to Complete the setting”. App will start to scan Wi-Fi.
- When the notice of connection successful appears in the App. Please Press and hold “WiFi” buttons 3 seconds on the device to leave AP mode if Device does not automatically exit AP mode
- Confirm the city of your current location
Make sure your phone’s location service are turned on and allowed for this App.
Make sure that your current location city can be successfully located in the map. Some cities may fail to locate because there is no corresponding success in the app. You can manually move the location or be automatically positioned to a large administrative level city.
- The device will connect to your home WiFi network automatically in few minutes. WiFi and signal symbol and All weather data will be displayed after WiFi is successfully connected.

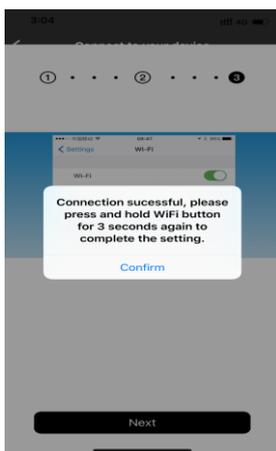


Input correct WiFi password

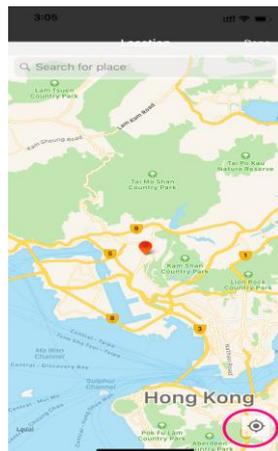
Make sure the device enter AP mode

Go to WiFi setting select LivingSmart

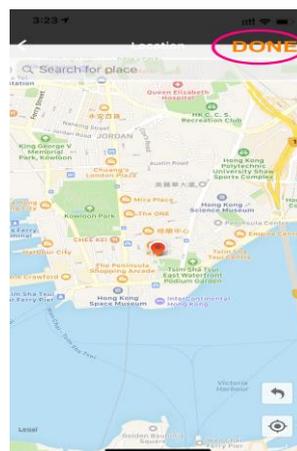
Phone connects and transfer information to the device.
Bind the device.



Bind the device



your current location



confirm your location
Succeed!

W4 Manual

- ▶ The Weather Station will now start to make a connection to the outdoor remote sensor. This operation takes about 3 minutes and is displayed by a flashing reception RF antenna symbol "📶" in the "OUTDOOR" display area. indicating the base station is searching for the signal from the outdoor sensor.
- ▶ 2 x AA batteries The battery is a backup power supply of the weather Station, which can ensure the normal operation of the base station after the power adapter is unexpectedly cut off.

Note: after the power AC/DC adapter is disconnected, the WIFI connection of the device will be automatically disconnected.

Outdoor sensor transmission:

- ▶ When the weather Station successfully receives signals from the remote sensor, the temperature and humidity of the OUTDOOR are displayed on the OUTDOOR column of the Base Station.
- ▶ The base station can connect up to 3 channel wireless sensor registration, the use of multiple wireless sensor, the wireless sensor channel can not choose the same channel at the same time (a total of 1, 2, 3 channel can choose)
- ▶ Press the "▲
CH" button can switch the display of different channels of outdoor temperature and humidity, when displaying the symbol "🔄", will display a channel every 5 seconds automatically switch.
- ▶ If the Base Station failed to receive transmission from outdoor sensor ("--" display on the LCD), press and hold "▲
CH" button for 3 seconds to receive transmission manually. the outdoor temperature will show an animation of the RF antenna symbol , the Base Station will re receive the wireless signal of the outdoor sensor.

Note: when the wireless sensor set up different channels, the base station "OUTDOOR" also want 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

Manual time setting:

- ▶ Press and hold down the "⚙️" button for 2 seconds, the temperature is display either in °C to flash. Now use "▲
CH" and "▼
WIFI" buttons to set the temperature unit in °C or °F.
- ▶ Press "⚙️" to confirm your setting, the barometric pressure is display either in hPa/mb to flash. Now use "▲
CH" and "▼
WIFI" buttons to set the pressure unit in hPa/mb or inHg or mmHg.
- ▶ Press "⚙️" to confirm your setting, the wind speed is display either in km/h to flash. Now use "▲
CH" and "▼
WIFI" buttons to set the pressure unit in km/h or Mph.
- ▶ Press "⚙️" to confirm your setting, the 12/24 hour mode display starts to flash. Now use "▲
CH" and "▼
WIFI" buttons to set the correct 12/24 hour mode.
- ▶ Press "⚙️" to confirm your setting, the Time zones start to flash, Now use "▲
CH" and "▼
WIFI" buttons set a correct time zone (-12 to +12).
- ▶ Press "⚙️" to confirm your setting, the Hour display starts to flash. Now use "▲
CH" and "▼
WIFI" buttons to set the correct hour.
- ▶ Press "⚙️" to confirm your setting, the Minute displays starts to flash. Now use "▲
CH" and "▼
WIFI" buttons to set the correct minute.
- ▶ Press "⚙️" button to confirm your setting, the Month and Date icon display starts to flash. Now use "▲
CH" and "▼
WIFI"

W4 Manual

buttons to set the date display on Month/Date or Date/Month.

- ▶ Press “” button to confirm your setting, the Year display 2017 starts to flash. Now use “” and “” buttons to set the correct year.
- ▶ Press “” button to confirm your setting, the Month display starts to flash. Now use “” and “” buttons to set the correct month.
- ▶ Press “” button to confirm your setting, the Date display starts to flash. Now use “” and “” buttons to set the correct date.
- ▶ Press “” button to confirm your setting, the language selection for the Weekday displays starts to flash. Now use “” and “” buttons to select a language.

Language	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
English, EN	SU	MO	TU	WE	TH	FR	SA
German, GE	SO	MO	DI	MI	DO	FR	SA
French, FR	DI	LU	MA	ME	JE	VEN	SA
Italian, IT	DO	LU	MA	ME	GI	VEN	SA
Spanish, SP	DO	LU	MA	MI	JU	VIE	SA
Dutch, DU	ZO	MA	DI	WO	DO	VRI	ZA
Danish, DA	SO	MA	TI	ON	TO	FRE	LO
Russian, RU	BC	ПН	BT	CP	ЧТ	ПТ	СБ

- ▶ Press “” to confirm your setting and to end the setting procedures, enter the clock mode.

F.Y.I.:

- ▶ After 20 seconds without pressing any button, the clock switches automatically from Set Mode to Normal Time Mode.
- ▶ There are 8 languages of Weekday: English, German, Italian, French, Spanish, Dutch, Danish and Russian
- ▶ When the WIFI connection is successful, the time will be automatically updated to the network time, the symbol “” will display, at the time of setting, time and time zones are not to change.

Setting the daily alarms:

- ▶ Press once “” button, the display conversion to alarm activation mode. I
- ▶ Press and hold down “” button for 2 seconds until Alarm Time hour display starts to flash. Use the “” and “” buttons to set the required hour.
- ▶ Press “” button to confirm your setting, the Minute display starts to flash. Use the “” and “” buttons to set the required minute.
- ▶ Press “” button to confirm your setting, the snooze time of the Alarm starts to flash. Use the “” and “” buttons to set the minute of snooze you need.
- ▶ Press “” button to confirm your setting and to end the setting procedure

F.Y.I.:

- ▶ After 20 seconds without pressing any button the clock switches automatically from setting mode to Normal clock mode.

The alarm for opening and closing

- ▶ The alarm shift switch is pushed in the “” position, LCD display the “” icon, the alarm function is open, at the

same time, the sound of "BI" sounded.

- ▶ Product back of the alarm shift switch is pushed in the "🔒" position, the "🔒" icon disappears, the alarm function is close

F.Y.I.:

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

Switching off the alarm signal

- ▶ While the alarm is sounding, press any button except the "🔒 / ZZ" button or touch the "🔒 / ZZ" field for more than 3 seconds to stop the alarm signal.

Snooze Function:

- ▶ While the alarm is sounding, Touch the "🔒 / ZZ" field once to activate the snooze function. The alarm signal sounds again after already been set.
- ▶ In snooze mode, press any button except the "🔒 / ZZ" button or touch the "🔒 / ZZ" field for more than 3 seconds to exit the snooze mode.

F.Y.I.:

When the snooze function is set to OFF, while the alarm is sounding, press "SNZ" does not have this snooze function.

Maximum/Minimum Temperature/Relative Humidity

- ▶ To toggle indoor/outdoor maximum, minimum temperature and humidity data, press the "MEM" button:
 - 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 "MEM" button about 2 seconds. This will reset all minimum and maximum data recorded to the current displayed values.

F.Y.I.:

▶ 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 base station in time.
- ▶ If the battery icon "🔋" appears in the "OUT" column, please confirm the channel of the battery prompt and change the remote sensor battery of the channel timely

Background lighting

- ▶ If the product is powered by batteries, touch the "🔒 / ZZ" field. Backlight lit 15 seconds.
- ▶ When the power supply of the product is inserted into the power supply adapter, the battery will automatically

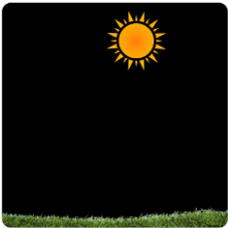
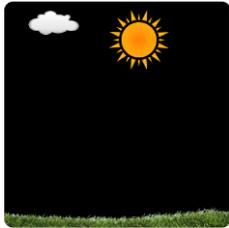
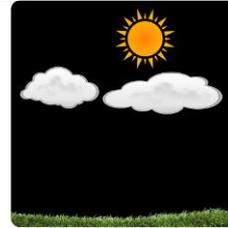
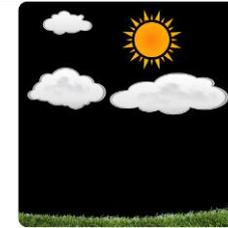
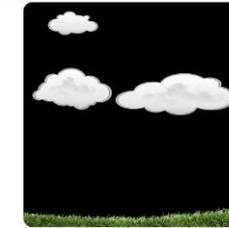
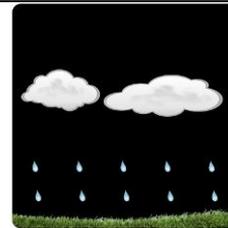
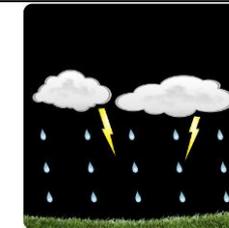
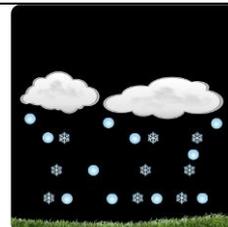
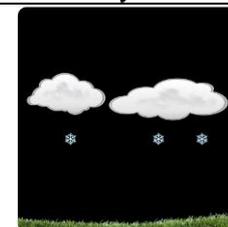
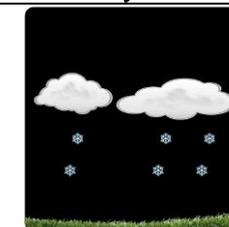
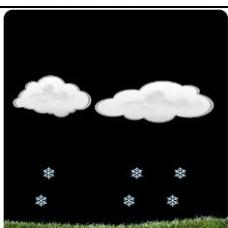
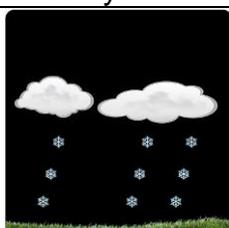
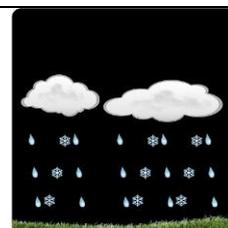
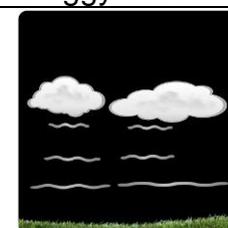
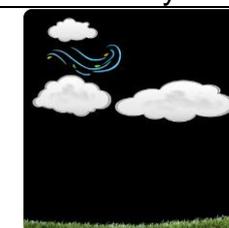
W4 Manual

disconnect the power supply, and the backlight will always be bright. Press the “☀️” button to adjust the brightness of the backlight, you can adjust the 4 state: 3 different brightness backlight and close the backlight. Users can choose according to the personal preferences of different brightness backlight or turn off the backlight. When the backlight is in the dark brightness or closed state, you can touch the “☀️/zZ” field to lighten the maximum brightness of backlight for 15 seconds.

Explanation of network weather forecast

- ▶ After the base station is connected with the WIFI hotspot, the weather information of the base station will be updated automatically every hour after the weather forecast information obtained from the network.
- ▶ The base station automatically downloads real-time air pressure from the network, today's weather forecasts, the next three days of weather forecasts and forecasts of the highest and lowest temperatures
- ▶ The base station automatically uploads the data of indoor and outdoor temperature and humidity from the base station to the server, and the APP can download the data automatically from the server through the network

▶ Weather forecast icon that can be displayed on the base station:

sunny 	Mostly sunny 	Partly cloudy 	Mostly cloudy 	Cloudy 
Patchy Rain 	Mostly Rain 	Showers 	Heavy Rain 	Thunder Rain 
Rain and Hail 	Hail 	Snow and Hail 	Patchy Snow 	Mostly Snow 
Snow shower 	Heavy Snow 	Rain and Snow 	Foggy or Haze 	windy 

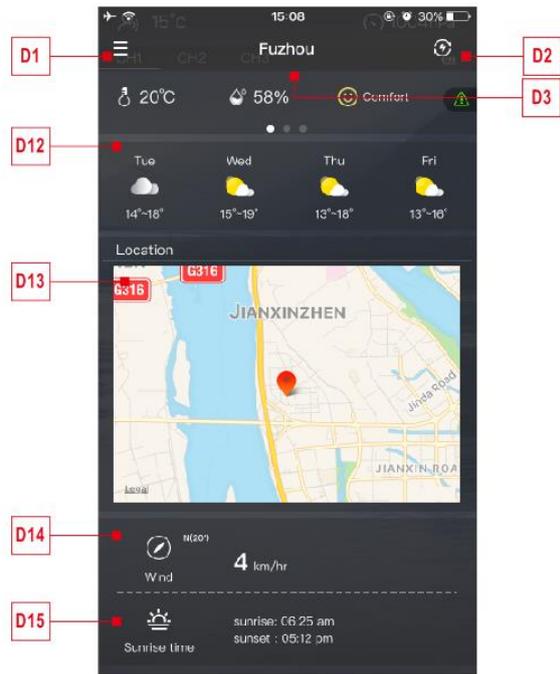
W4 Manual

APP interface specification:

▶ Front page data display:



< home page data display _1>



< home page data display _2>

D1: Main menu bar

D3: Location City

D5: Quick setting of temperature and humidity alert for main equipment

D7: Today's barometer pressure

D9: Battery power for wireless remote sensor devices

D11: Quick setting of temperature and humidity alert for wireless remote sensor equipment

D13: Map display of device location

D15: Today's sunrise and sunset tomorrow

D2: Data Refresh

D4: Temperature and humidity data of main equipment and weather today

D6: Feel Like

D8: Wireless remote sensor device name

D10: Temperature and humidity data of wireless remote sensor equipment

D12: Weather forecast for the next four days

D14: Today's wind speed and direction

▶ Data chart display:

Click on the temperature value "**D4**" of < **Home Page Data Display _1**>, APP automatically jump to <

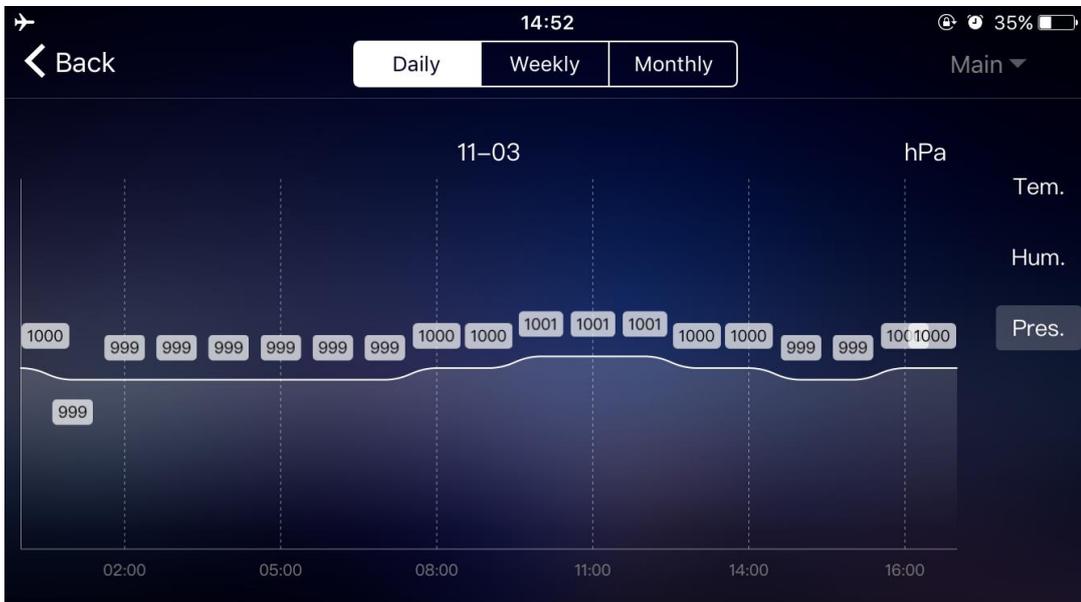
Data Display Interface>, Click the <MAIN> column in the top right corner of the <**Data Display Interface**> ,

You can choose to view the data chart of the base station or wireless remote sensor

W4 Manual

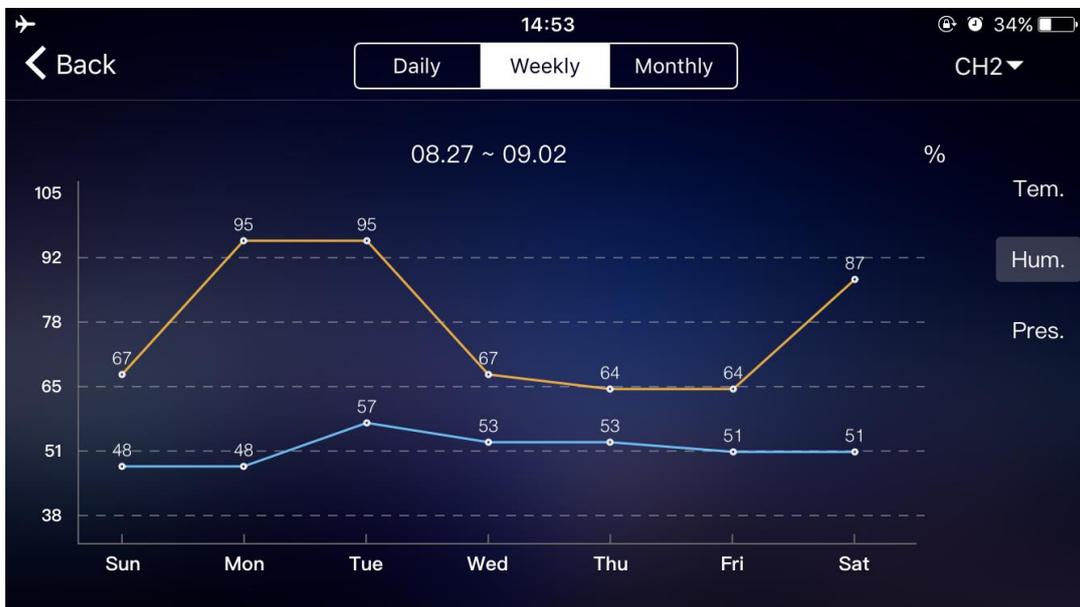
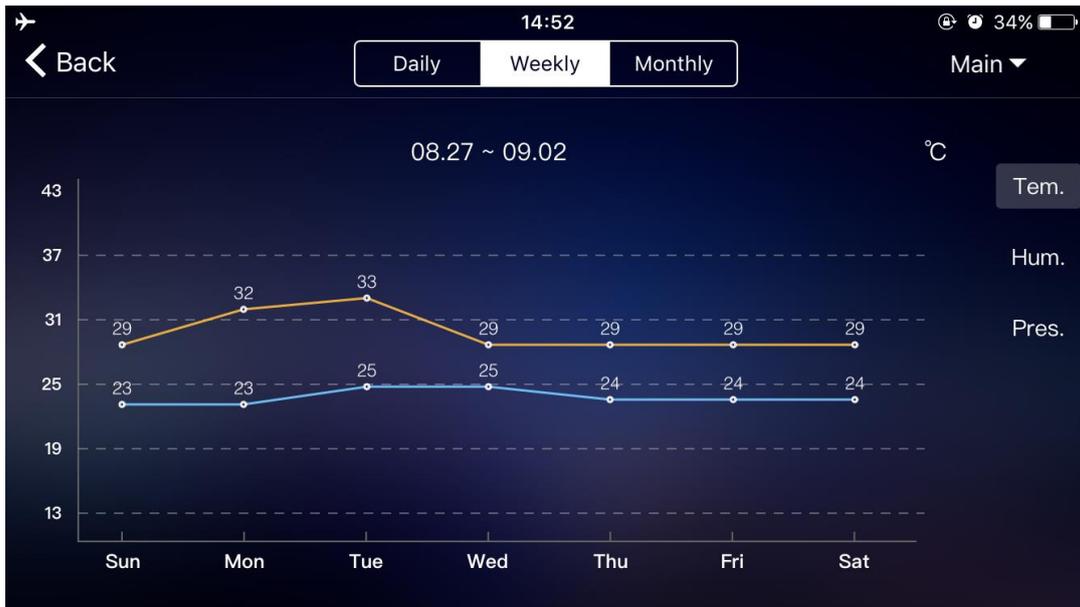
Click on the "Daily", "Weekly" and "Monthly" boxes above the < Data Display Interface >, and you can choose to view the daily, weekly and monthly data charts, Slide the screen to the left or right to view data charts at different times.

Click the "Tem.", "Hum." and "Pres." on the right side of the screen and select the historical chart record of temperature, humidity, or air pressure



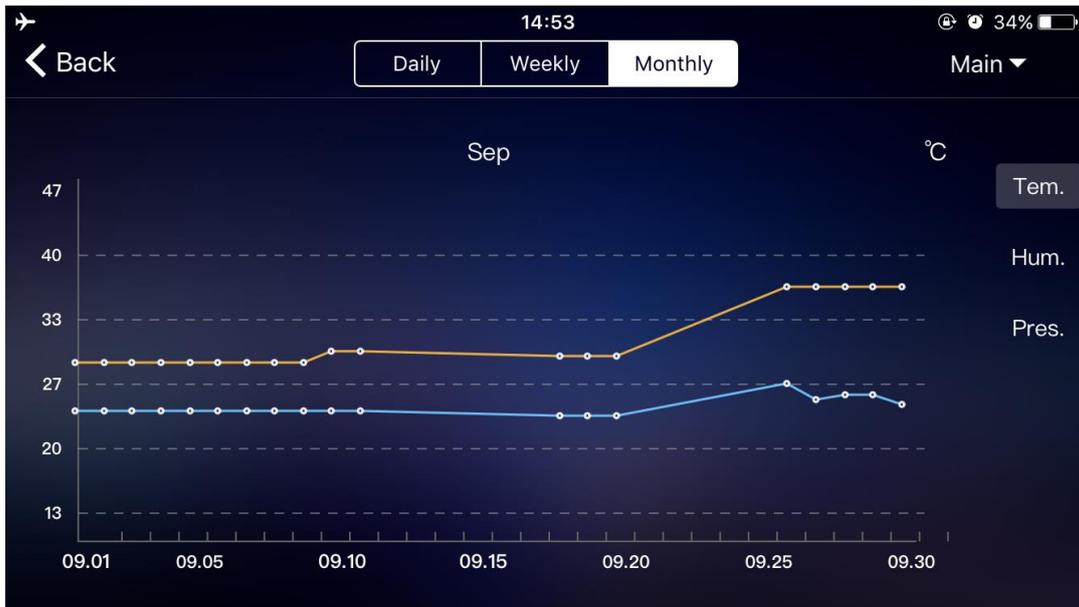
Data chart presentation - Daily

W4 Manual



Data chart presentation – Weekly

W4 Manual



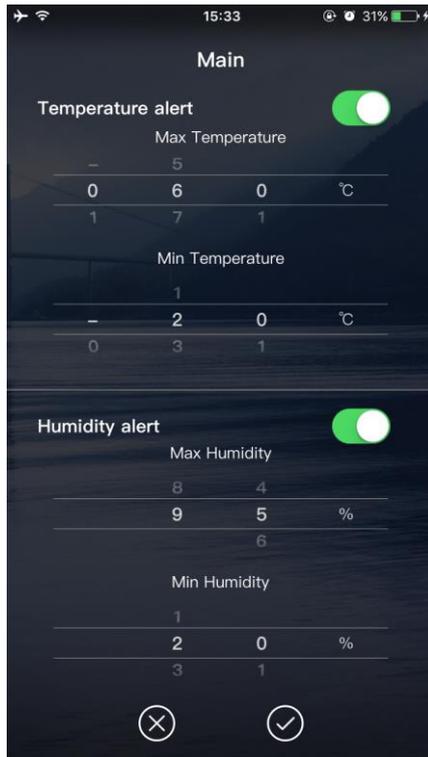
Data chart presentation – Monthly

► Temperature and humidity alert setting

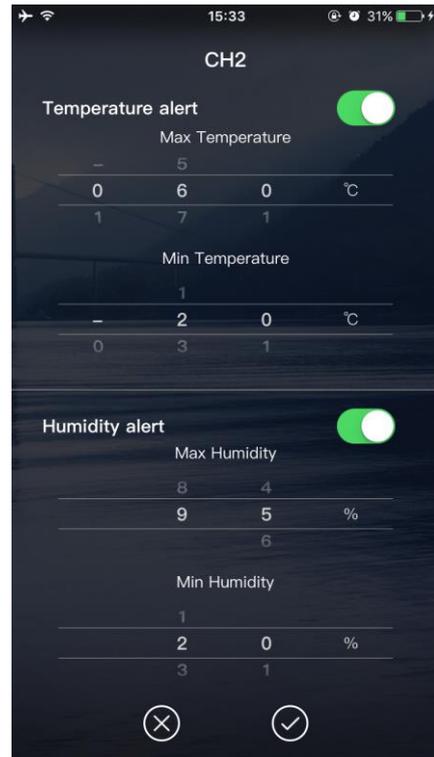
Click on the "D5" in the home page, you can quickly enter the temperature and humidity alert settings interface of the main equipment.

Set up wireless sensor for temperature and humidity alert, click on the channel selected by "D8", and then click "D11", quickly enter the wireless sensor temperature and humidity alarm interface to set the channel.

W4 Manual



Temperature and humidity alert
setting for main equipment



Temperature and humidity alert
settings for wireless device

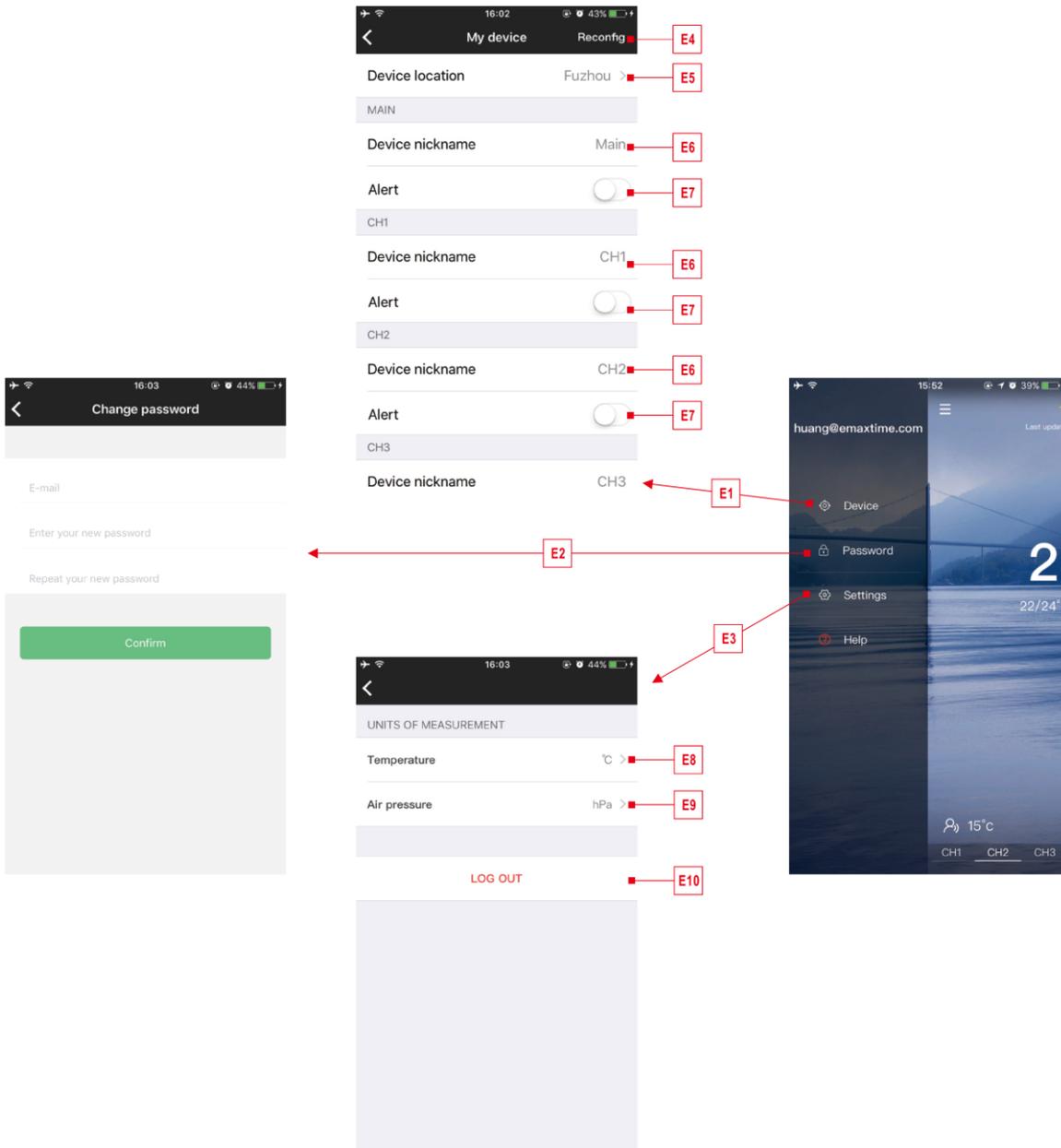
► Temperature and humidity alert

Temperature and humidity alarm setup is complete, click on the "√" after the confirmation, the base station next time you open WI-F, will automatically set. When the base station activates the temperature or humidity alarm, It sends an alarm message to APP immediately. After the APP receives the information, it will automatically prompt the alarm

W4 Manual

▶ Menu description

Click on the “D1” in the home page, and the left side will slide out of the main menu, Click on the area or function block of the icon, which corresponds to the function settings of the table below.



E1: Access device management

E2: Change account password

E3: Location City

E4: Re bonding equipment

E5: Re positioning equipment

E6: Change device name

E7: Open the temperature and humidity alert function of the equipment

E8: Setting temperature display unit

E9: Set air pressure display unit

E10: Cancellation account