WIFI Weather Station with Clock

Model:W1

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
- 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
- The future weather forecast and temperature report function, weather forecast information provided by the network
- Connects directly to wifi network
- Power Supply:

  Battery: 4 x LR06 (UM-3), 1.5 V (size AA)

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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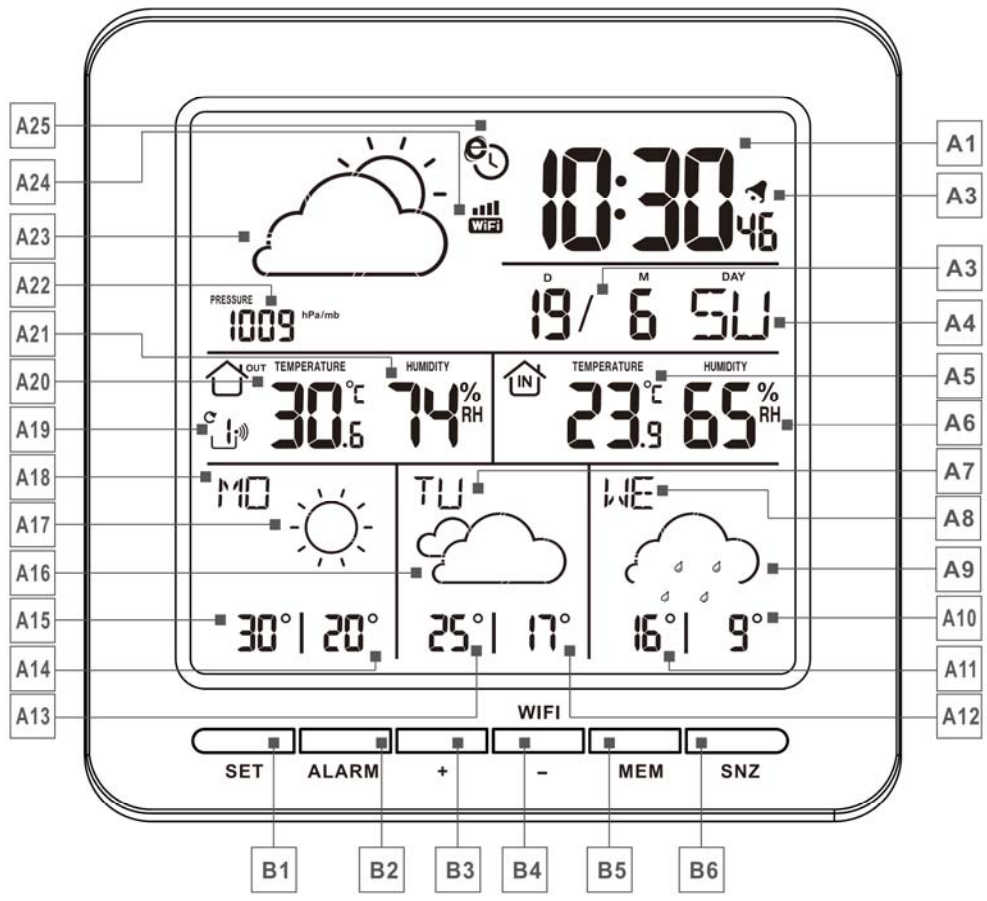
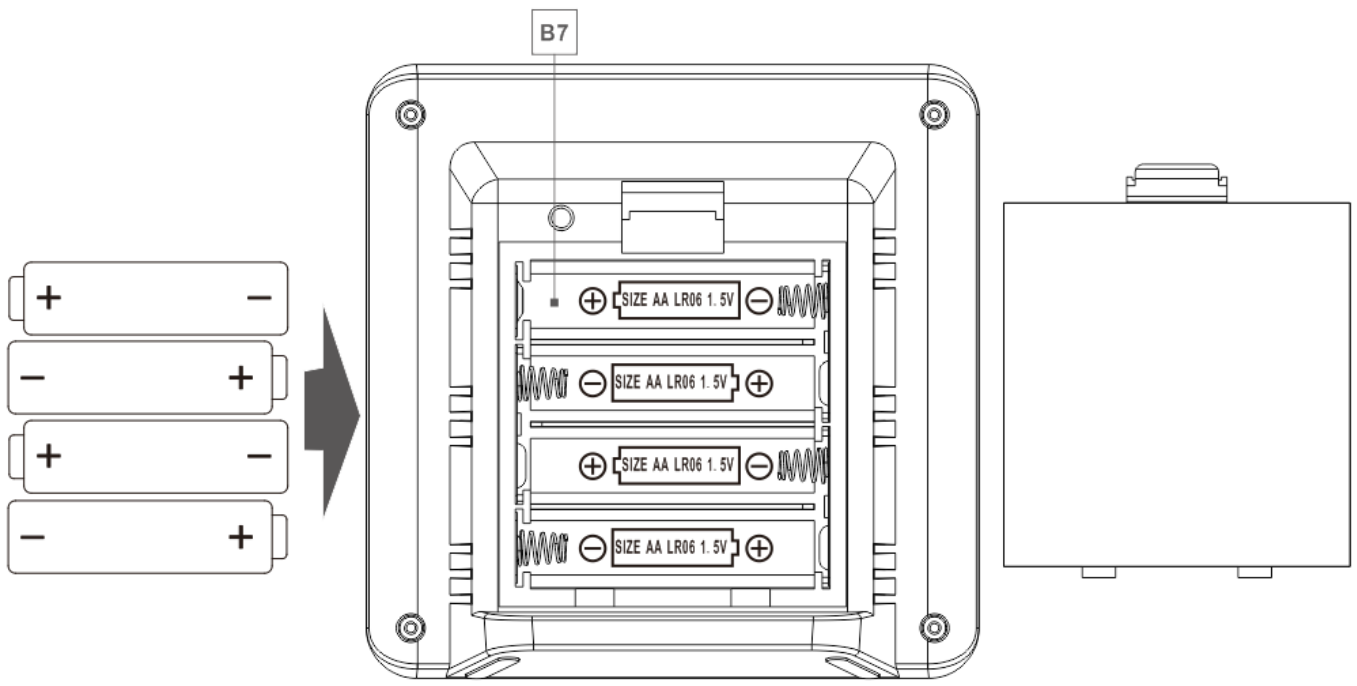
Base station Appearance:





Part A-Positive LCD

A1: Time

A2: ALARM icon

A3: Calendar

A4: Week for today

A5: Indoor Temperature

A6: Indoor Humidity

A7: Week for the next second days

A8: Week for the next third days

A9: Weather forecast for the next third days

A10: Minimum temperature forecast for the next third days

A11: Maximum temperature forecasts for the next third days

A12: Minimum temperature forecast for the next second days

A13: Maximum temperature forecasts for the next second days

A14: Minimum temperature forecast for tomorrow

A15: Maximum temperature forecast for tomorrow

A16: Weather forecast for the next second days

A17: Weather forecast for tomorrow

A18: Week for tomorrow

A19: Remote wireless channel

A20: Outdoor Temperature

A21: Outdoor Humidity

A22: Barometric pressure

A23: Weather forecast for today

A24: WIFI icon

A25: Network Time icon

Part B – Back button and power

B1: “SET” button

B2: “ALARM” button

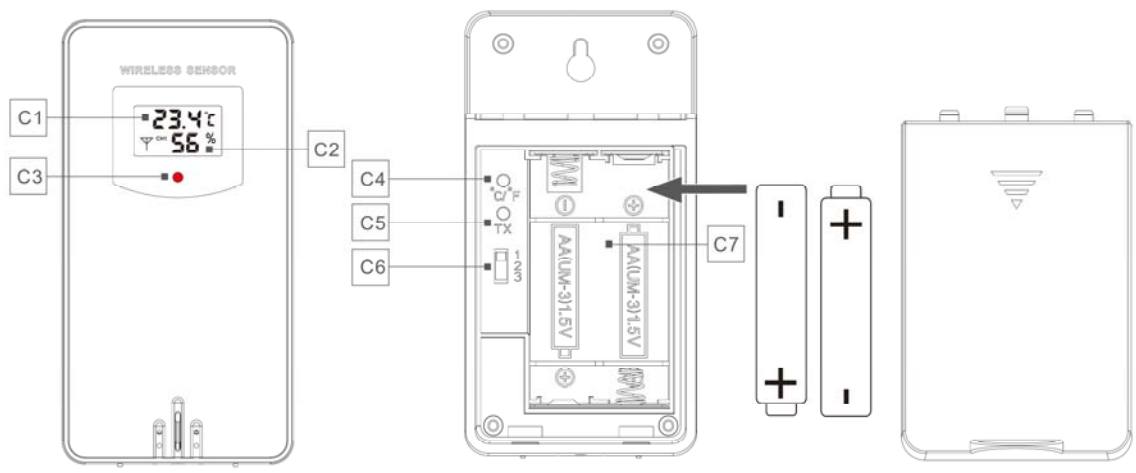
B3: “+” button

B4: “WIFI/-” button

B5: “MEM” button

B6: “SNZ” button

B7: Battery compartment



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:

- Replace Wireless Outdoor Sensor battery compartment cover , Push the Channel selector switch in the battery compartment of the Wireless Outdoor Sensor, set the correct channel ,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:

Available on the App Store | Available on the Google play

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:

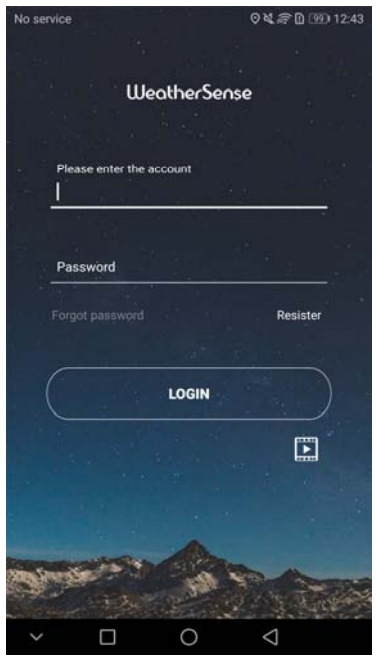
https://itunes.apple.com/cn/app/weathersense/id1273633929?mt=8

Download Android APP application software URL:

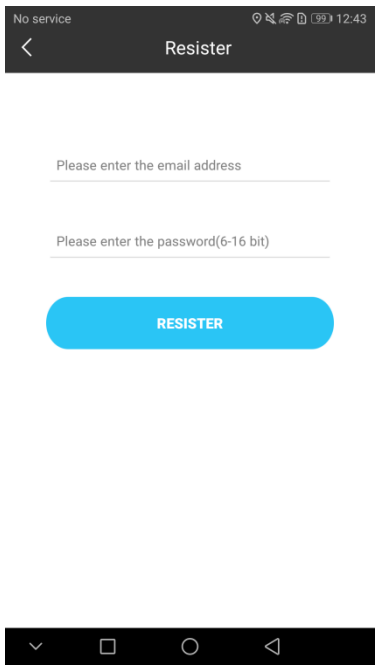
https://play.google.com/store/apps/details?id=com.emax.weahter

- User registration：

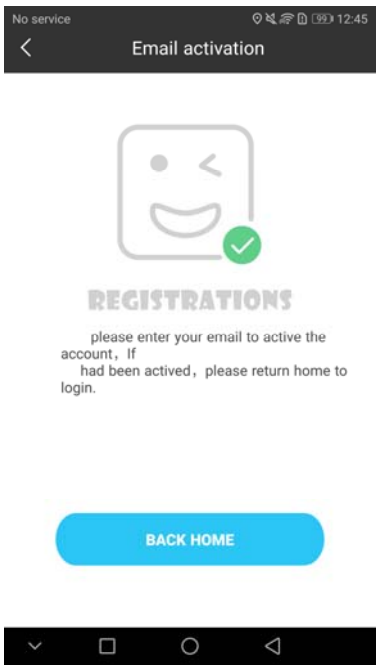
After downloading the APP, open APP, the program will jump out of a registration interface, according to the registration shown below, after registration is completed, enter the mailbox for account activation



Account login interface



Account registration interface



Prompt mailbox account activation

▸ Base station with APP bonding

After registration and activation, login in the login interface, APP display will jump to the base station interface, please according to the environmental needs, choose the need to connect with the base station router name, and enter WIFI login password, jump the next interface according to NEXT

Appearance hint based on base station Icon，Open the battery compartment cover of base station，Insert 4 x AA batteries observing polarity [“+” and “–“ marks]，After you pass on the power supply, all the symbols on the display screen will be displayed after about 3 seconds, If the base station is used for the first time, the base station will automatically enter the AP mode, and the display will display AP.

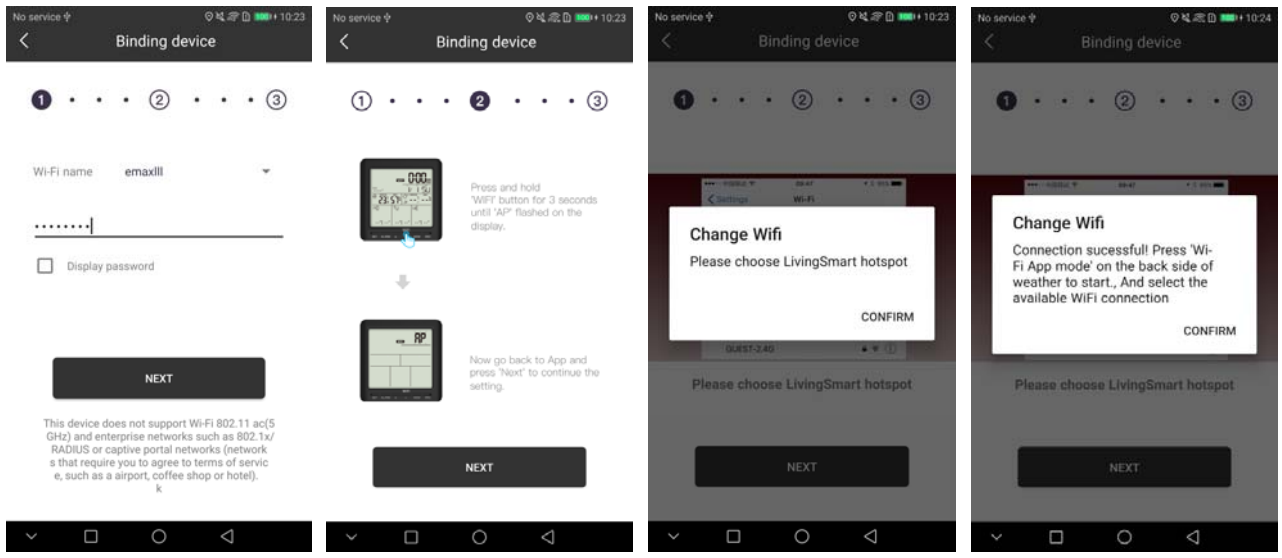
If not for the first time use, the base station began to switch to the normal working mode, to detect the temperature, and humidity in the environment . At the same time, because the WIFI is not set up, the network weather forecast information can not be obtained, and the air pressure, weather forecast and temperature prediction have no content display. In this case, when the “**WIFI**” button is held down for more than 3 seconds, the base station will automatically enter the AP mode.

After confirming the base station enters the AP mode, click "NEXT" on the APP interface, And according to the prompt click the prompt box, will automatically jump to the system's WI-FI settings, select the WI-FI hot spot "LivingSmart" and confirm the completion of the connection. Click the "<Weathersen..." icon on the top left to automatically return to the APP interface.and select the WIFI link named "LivingSmart" according to the APP prompt.

Return to the APP interface, continue to click on "NEXT", start the base station bonding, about a few seconds later, if the match is successful, the APP interface will pop up the prompt box matching success, at this time, hold down “**WIFI**” button of the base station for more than 3 seconds, let the base station exit AP mode. At the same time click the prompt box, will jump to the system's WI-FI settings again, select the original WI-FI hot spot, and then click on the top left corner of the "<Weathersen..." icon to return to the APP interface.

After the APP interface is returned, APP will automatically set the location of the base station, and show the main boundary after the success. At the same time, the base station is automatically connected with the WIFI hot spot after the AP mode is exited. After the connection is successful, the base station will automatically obtain the time, air

pressure, weather forecast and temperature prediction of the network, and display it in the display screen.



Enter the WIFI hotspot name and password	Prompts the device to enter the AP mode	Prompt for the WIFi hotspot named LivingSmart	It is suggested that the original WIFi hotspot should be selected

- The Base 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 on the receiver. the "OUTDOOR" display area will show an animation of the RF antenna symbol, indicating the base station is searching for the signal from the outdoor sensor. At the same time the base station began to establish WIFI connections (details see the following WIFI connection description)

Outdoor sensor transmission:

- When the Base Station successfully receives signals from the wireless 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 "**+**" button can switch the display of different channels of outdoor temperature and humidity, when displaying the symbol "", will display the channel every 5 seconds automatically switch a channel
- If the Base Station failed to receive transmission from outdoor sensor ("**- -**"display on the LCD), press and hold "**+**" 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 "**SET**" button for 2 seconds, the temperature is display either in °C to flash. Now use "**+**" and "**-**" buttons to set the temperature unit in °C or °F.
- Press "**SET**" to confirm your setting, the barometric pressure is display either in hPa/mb to flash. Now use "**+**" and "**-**"

buttons to set the pressure unit in hPa/mb or inHg or mmHg.

- Press "**SET**" to confirm your setting, the 12/24 hour mode display starts to flash. Now use "**+**" and "**-**" buttons to set the correct 12/24 hour mode.
- Press "**SET**" to confirm your setting, the Time zones start to flash, Now use "**+**" and "**-**" buttons set a correct time zone (-12 to +12).
- Press "**SET**" to confirm your setting, the Hour display starts to flash. Now use"**+**" and "**-**" buttons to set the correct hour.
- Press "**SET**" to confirm your setting, the Minute displays starts to flash. Now use "**+**" and "**-**" buttons to set the correct minute.
- Press "**SET**" button to confirm your setting, the Month and Date icon display starts to flash. Now use "**+**" and "**-**" buttons to set the date display on Month/Date or Date/Month.
- Press "**SET**" button to confirm your setting, the Year display 2017 starts to flash. Now use "**+**" and "**-**" buttons to set the correct year.
- Press "**SET**" button to confirm your setting, the Month display starts to flash. Now use "**+**" and "**-**" buttons to set the correct month.
- Press "**SET**" button to confirm your setting, the Date display starts to flash. Now use "**+**" and "**-**" buttons to set the correct date.
- Press"**SET**" 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	CБ

- Press "**MODE**" 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 "**ALARM**" button, the display conversion to alarm activation mode. In this mode, press the "**ALARM**" button again to activate the alarm function, at the same time, the sound of "BI" sounded, while the alarm icon "" is displayed which means alarm has been activated. And then press "**ALARM**" button again, you can turn off the alarm function, the alarm icon "" does not shows.
- Press and hold down "**ALARM**" button for 2 seconds until Alarm Time hour display starts to flash. Use the"**+**" and "**-**"

buttons to set the required hour.

- Press "**ALARM**" button to confirm your setting, the Minute display starts to flash. Use the "**+**" and "**-**" buttons to set the required minute.
- Press "**ALARM**" 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 "**ALARM**" 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 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 "**SNZ**" button or press hold the "**SNZ**" button for 3 seconds to stop the alarm signal.

Snooze Function:

- While the alarm is sounding, press the "**SNZ**" button once to activate the snooze function. The alarm signal sounds again after already been set.
- In snooze mode, press any button except the "**SNZ**" button or press hold the "**SNZ**" button for 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 sow 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

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.

▸ Base station also can press "**WIFI**" button once, open the WI-FI function, manually connect the network for information update.

▸ 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

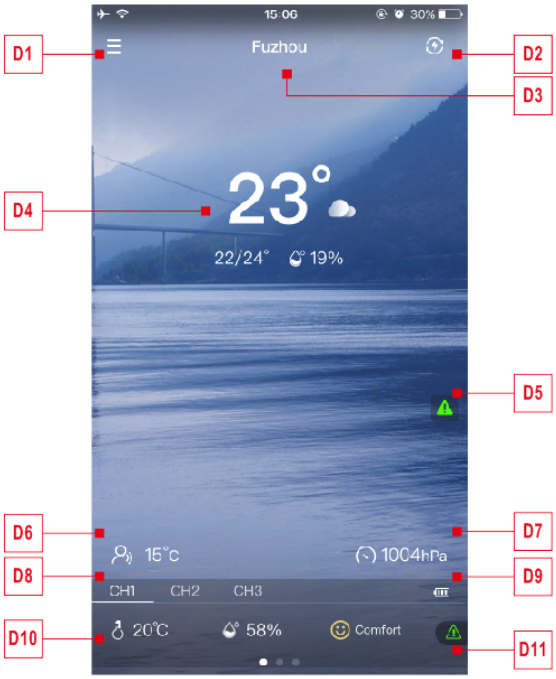
▸ The base station automatically uploads the data of indoor and outdoor temperature and humidity from the base station to the server, and the APP can download the data automatically from the server through the network.

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

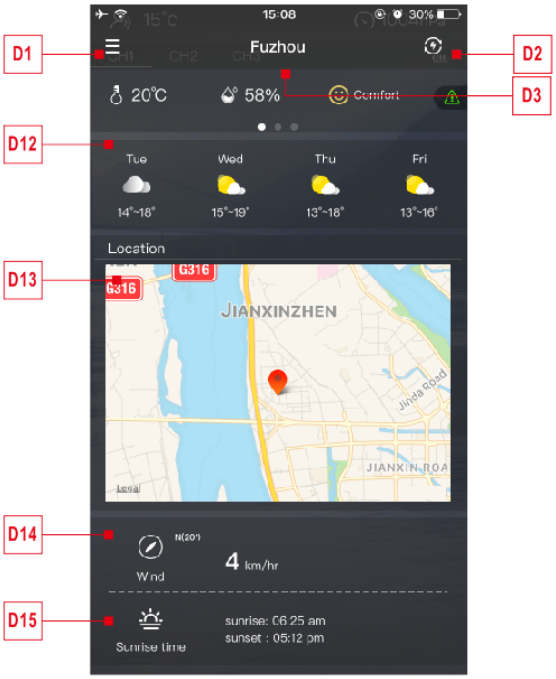
sunny	Mostly sunny	Partly cloudy	Mostly cloudy	Cloudy
Patchy Rain	Mostly Rain	Showers	Heavy Rain	Thunder Rain
Rain and Hail	Hail	Snow and Hail	Patchy Snow	Mostly Snow
Snow shower	Heavy Snow	Rain and Snow	Foggy	windy
Haze				

APP interface specification：

▸ Front page data display：



< home page data display _1>



< home page data display _2>

D1: Main menu bar

D2: Data Refresh

D3: Location City

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

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

D6: Feel Like

D7: Today's barometer pressure

D8: Wireless remote sensor device name

D9: Battery power for wireless remote sensor devices

D10: Temperature and humidity data of wireless remote sensor equipment

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

D12: Weather forecast for the next four days

D13: Map display of device location

D14: Today's wind speed and direction

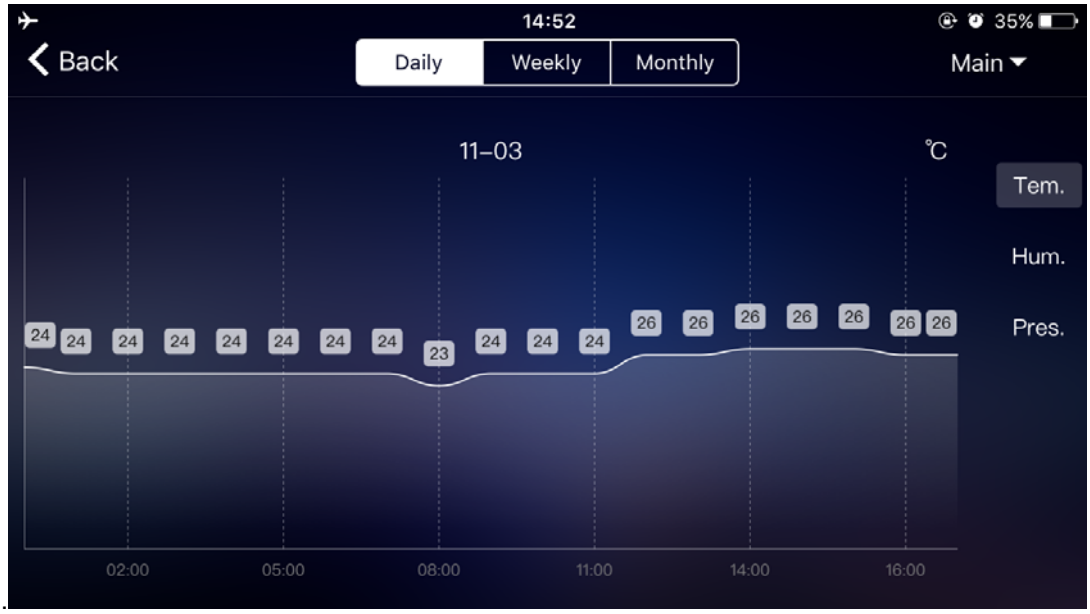
D15: Today's sunrise and sunset tomorrow

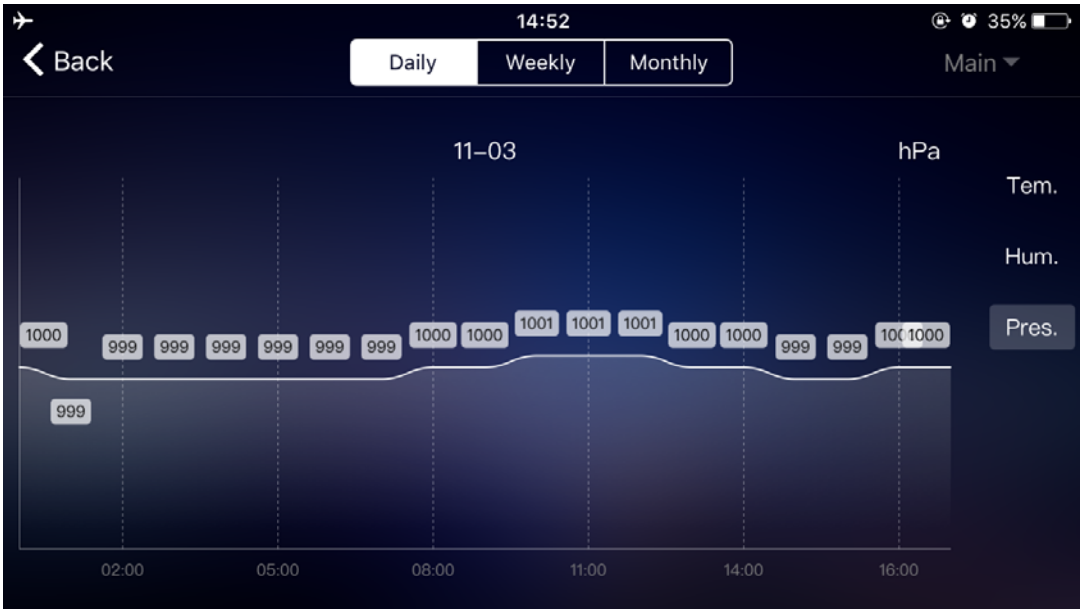
▸ Data chart display：

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

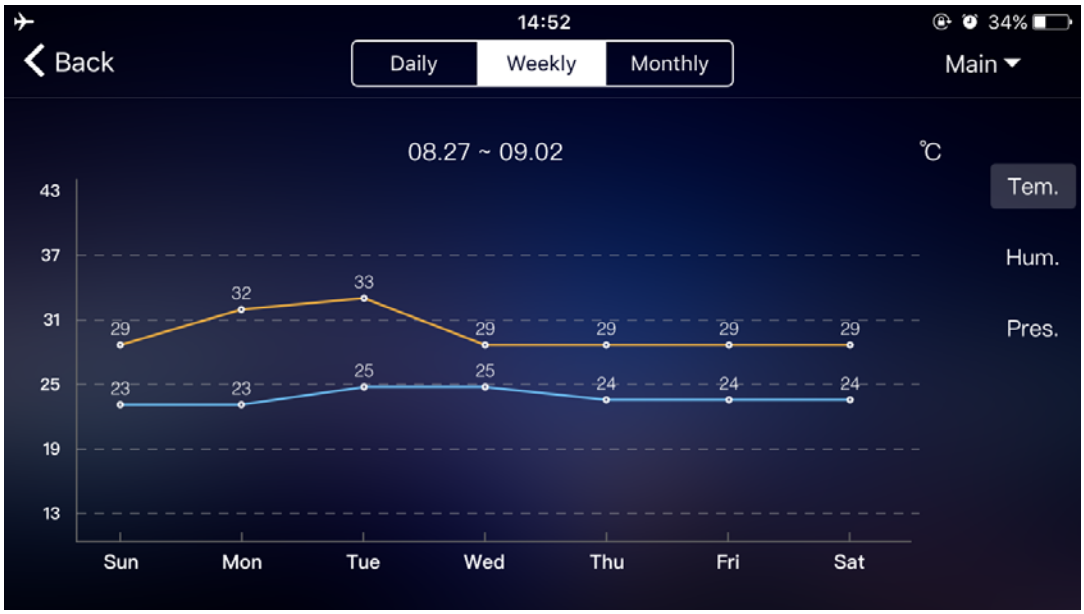
Click on the "**Daily**", "**Weekly**" and "**Monthly**" boxes above the < **Data Display Interface** >, and you can choose to view the daily, weekly and monthly data charts, Slide the screen to the left or right to view data charts at different times.

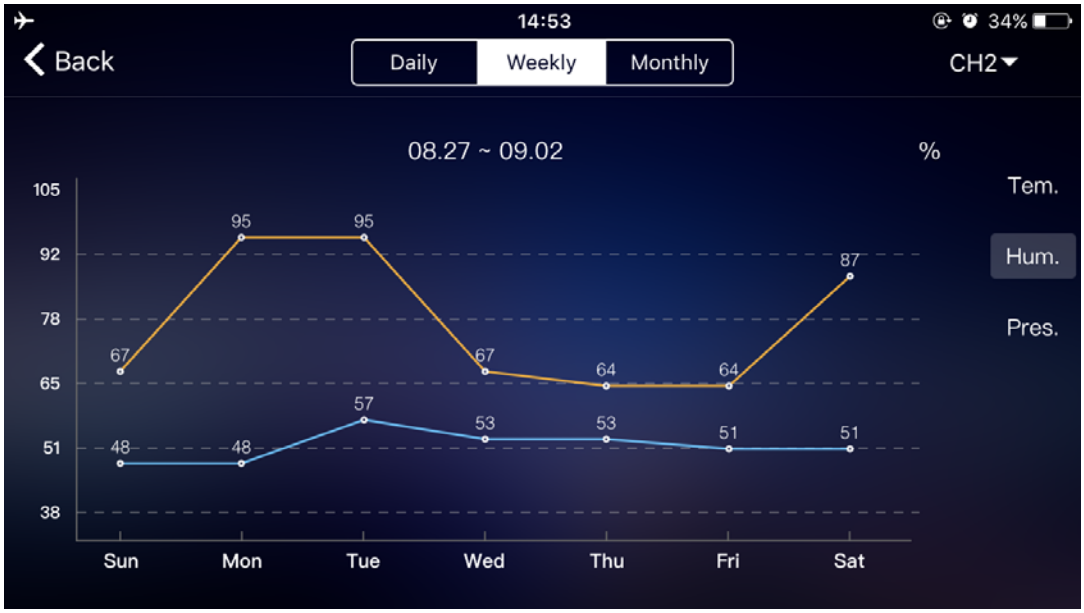
Click the "**Tem.**", "**Hum.**" and "**Pres.**" on the right side of the screen and select the historical chart record of temperature, humidity, or air pressure



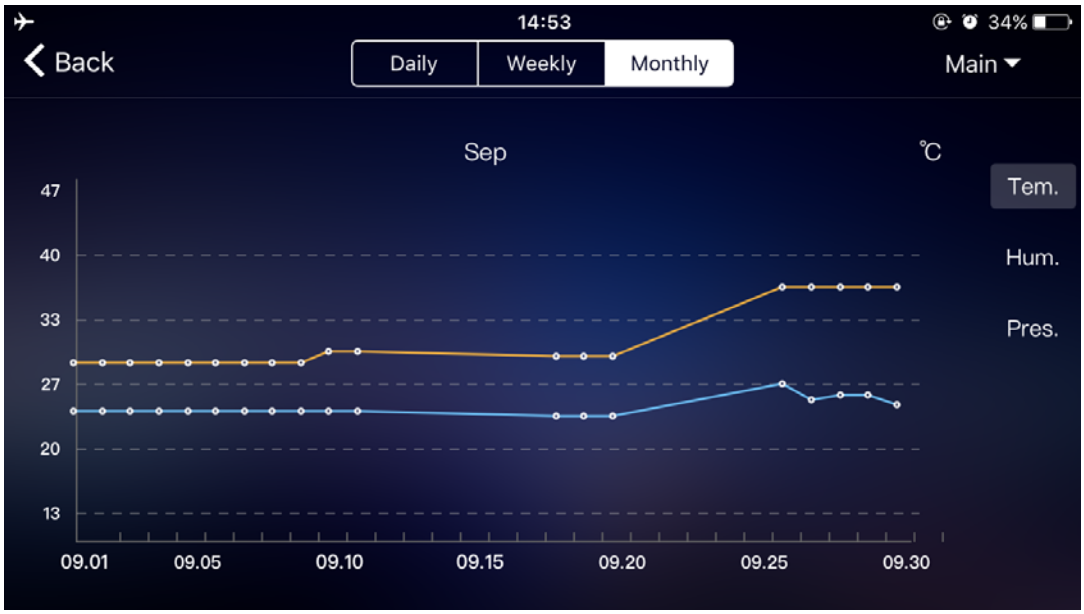


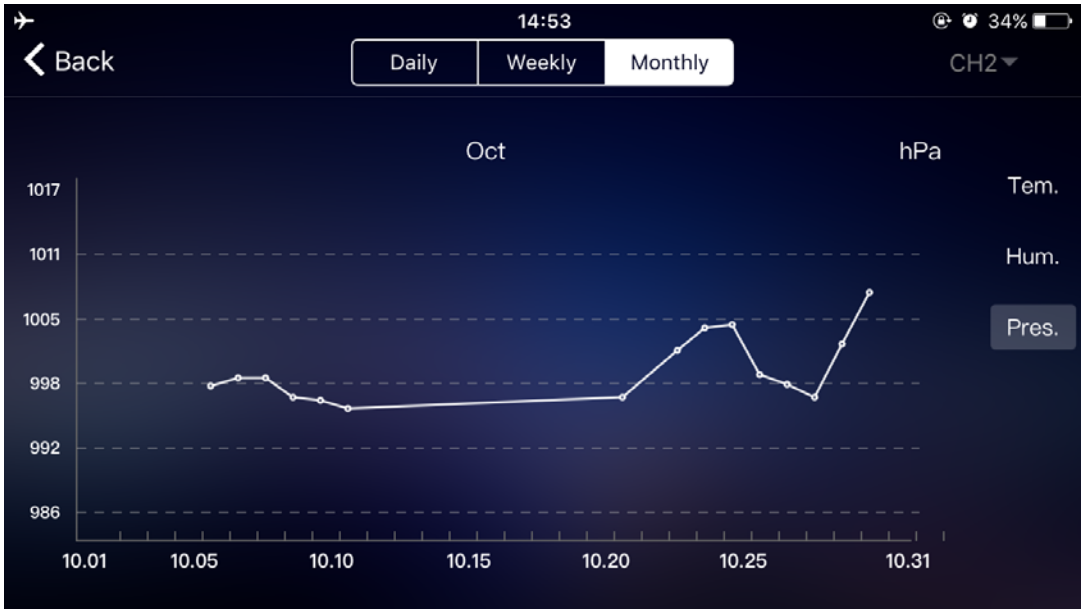
Data chart presentation - Daily





Data chart presentation – Weekly



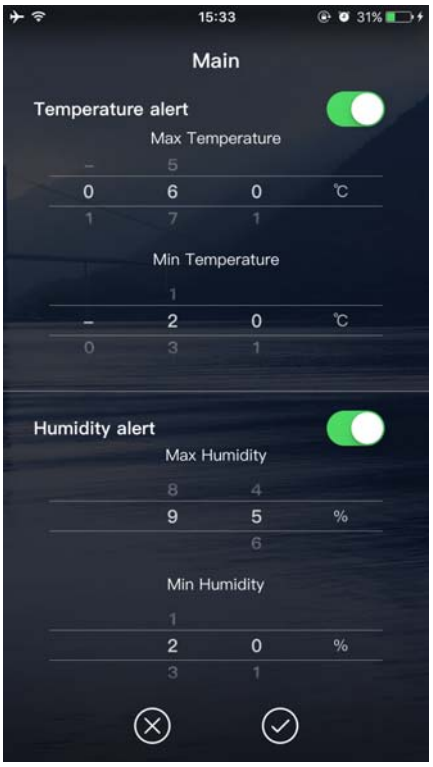


Data chart presentation – Monthly

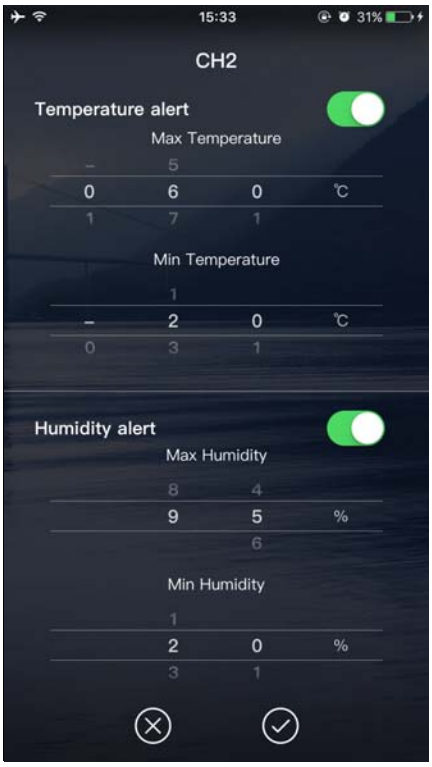
▸ Temperature and humidity alert setting

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.



Temperature and humidity alert setting for main equipment



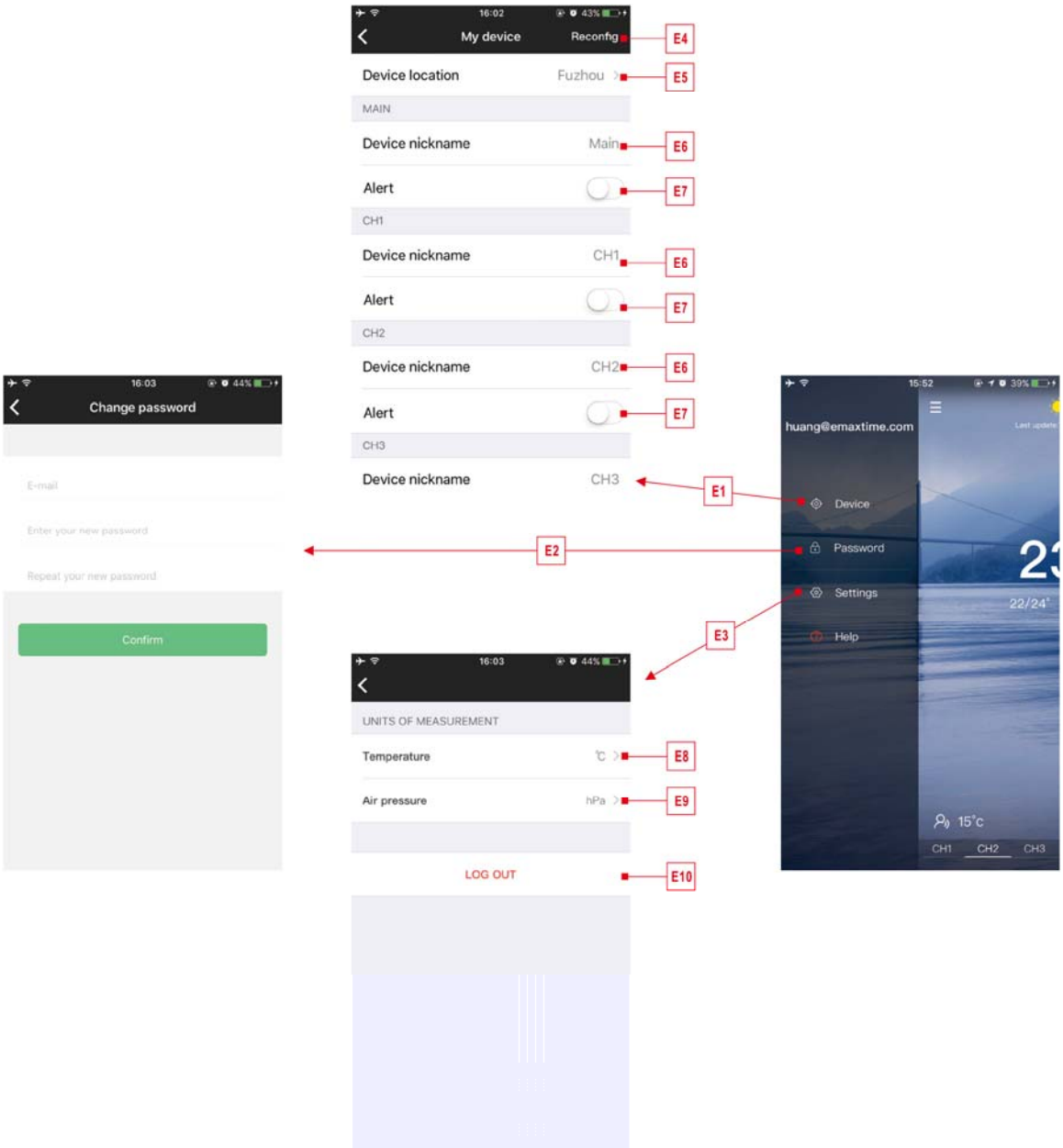
Temperature and humidity alert settings for wireless device

▸ Temperature and humidity alert

Temperature and humidity alarm setup is complete, click on the "V" 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 will open the WIFI immediately and send the alarm information to the APP. After the APP receives the information, it will automatically prompt the alarm

▸ 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 aert function of the equipment

E8: Setting temperature display unit

E9: Set air pressure display unit

E10: Cancellation account

FCC Warning

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

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference,and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

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

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

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .

This transmitter must not be co‐located or operating in conjunction with any other antenna or transmitter.

This equipment should be installed and operated with minimum distance 20cm between the radiator &you body.