

H414D

Dual Channel Hot Air Rework Station User Manual



Please read this manual carefully before use

1 Product Features

- **Debut in the industry, 2-in-1 design, doubling the production capacity.**
Advanced dual-channel design, equipped with dual channel metal standby holder.
- **3.5inch large screen, clear at a glance**
Built-in 3.5inch IPS screen displays various parameters intuitively.
- **Pioneering smart handle with automatic standby function**
6-axis gyroscope, automatic standby through gesture control; three buttons on the handle, adjust status and parameters quickly.
- **Accurate prompts, clear and obvious**
Visual and vibration dual prompts; display the working status in real time through the four-color LED light ring.
- **Unlimited functions, keep being at forefront**
Bluetooth/WiFi communication, intelligent networking, combined with automated design; support remote OTA upgrade; support voice control.
- **Patented design of the 8-hole cellular heating tube**
Increase heat output by more than 30%, comes standard with 3D air nozzles, self-integrated air outlet, and precise temperature control.
- **Equipped with a starry distributed architecture**
Reconstruct the inner hardware order with aerospace grade modular layout. Its six-dimensional vibration-proof structure as well as the precise wiring ensure a stable core.

2 Product Introduction

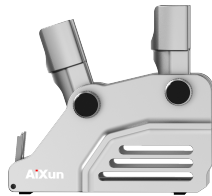
Product Structure



Product accessories



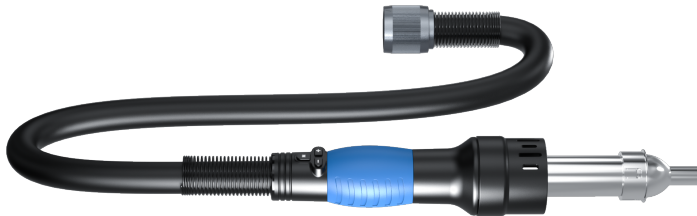
H414D host *1



Dual channel standby holder *1



Air nozzle bracket *1



HK14 handle with buttons *2

1400W heating core *2



User manual card



Power cord *1



Grounding wire *1



Certificate



Straight air nozzle *4 + diagonal air nozzle *4



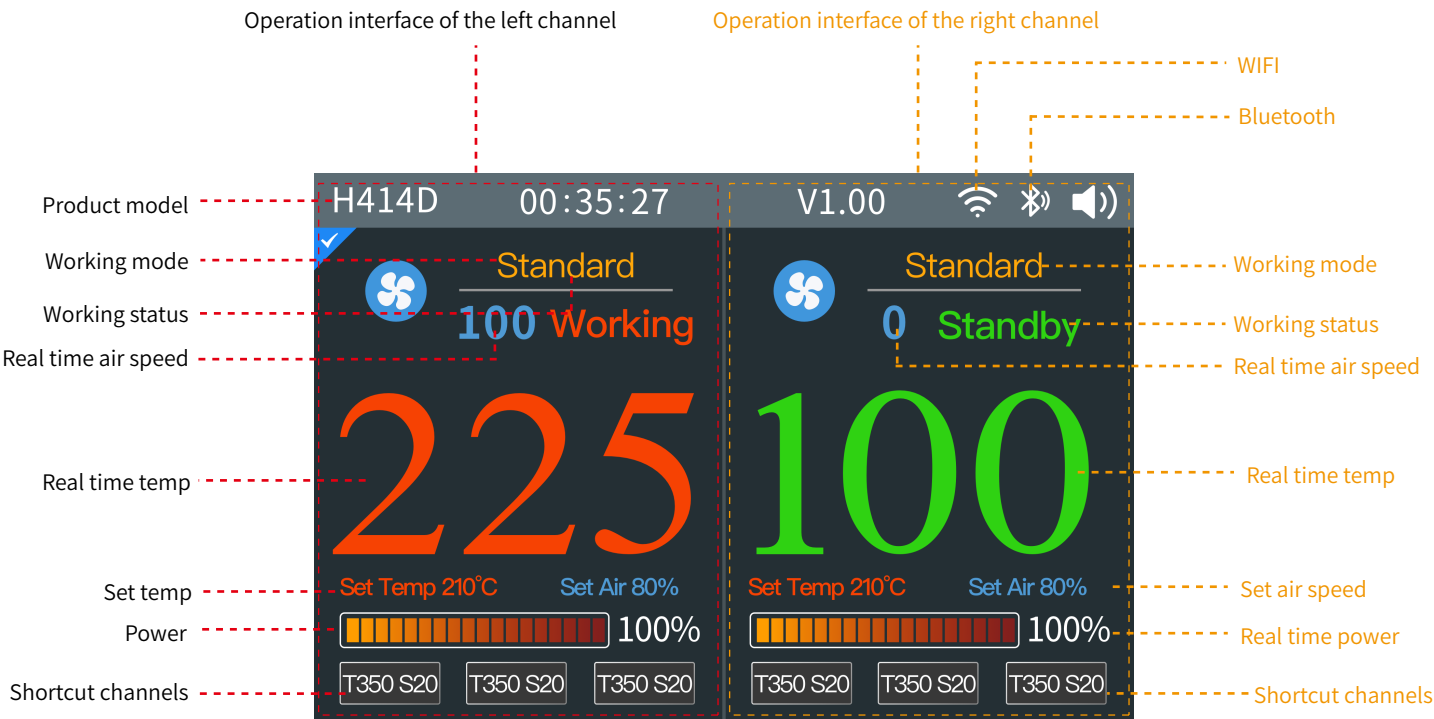
Hex key *1

3 Product Parameters

Product name: H414D Dual-Channel Hot Air Rework Station	Brand: AiXun
Input voltage: 230VAC-50Hz	Standard handle: HK14 handle with buttons
Rated power: 1400W*2	Fuse: 3A
Standby holder: Dual channel metal standby holder Gross weight: 7.26KG	

4 Host interface and buttons explanation

|| Main Interface



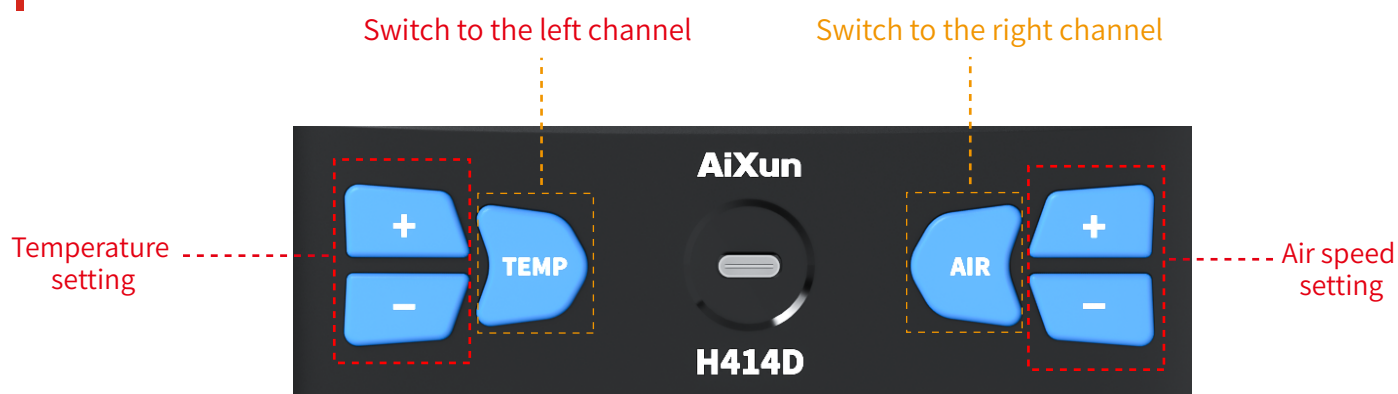
Note: The left and right channels can work simultaneously or independently

Buttons of the Station



5 Basic Operation Introduction

Basic operation

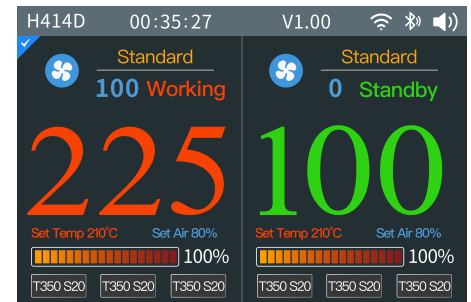


- Turn on the power switch, press the TEMP button to switch to the left channel, and press the AIR button to switch to the right channel.
- Press the plus and minus buttons on the left side to set the temperature, press the plus and minus buttons on the right side to set air speed.

Temp/air speed shortcuts switch



- There are "M1, M2, M3" buttons under the screen, each corresponding to a temperature/air speed channel. Users can adjust the temperature/air speed according to their own needs. Press the button to quickly switch the temperature/air speed channels.
(As shown in the figure)



- After setting the required temperature/air speed, long press M1, M2, M3 to save the shortcut parameters for the corresponding channel.
- Adjustable temp range: 100-500 °C, adjustable air speed range: 1-150%.

Force mode

Long press to enter the heating mode

Long press to enter the cold air mode



- Long press the TEMP button to force the current channel into **heating mode**
- Long press the AIR button to force the current channel into **cold air mode**

6 Operations on Handle



- Press the M button to switch to the needed function, respectively are mode/temperature/air speed/M1-M3 temperature shortcut channels.

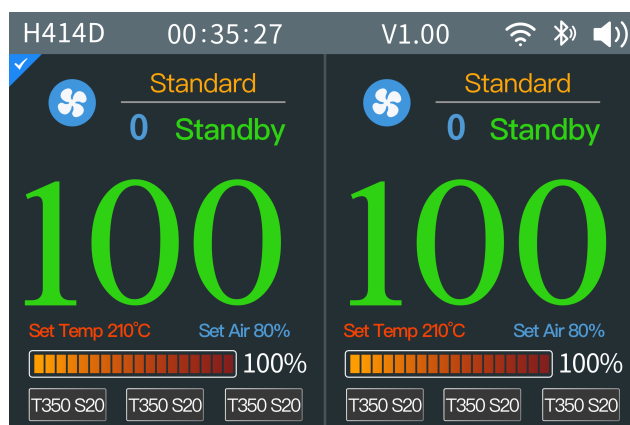
Single press the M button to switch to mode. Press the "+" and "-" buttons on the handle to switch among soft mode, top speed mode and standard mode.

Single press the M button to switch to temperature. Press the "+" and "-" buttons to adjust the temperature of the handle.

Single press the M button to switch to air speed. Users can adjust the air speed of the handle.

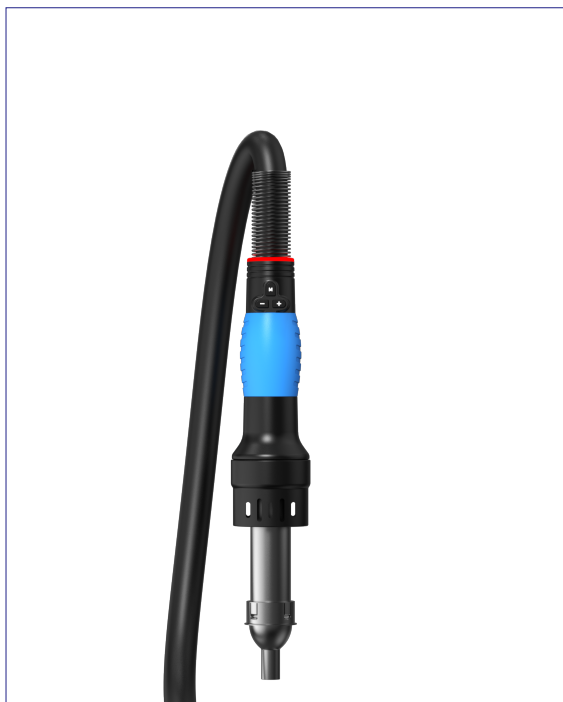
Single press the M button to switch to M1-3. Users can switch the temperature shortcut channels.

Long press the M button on the handle to enter the cold air mode by force.



7 Automatic Standby

• Working mode

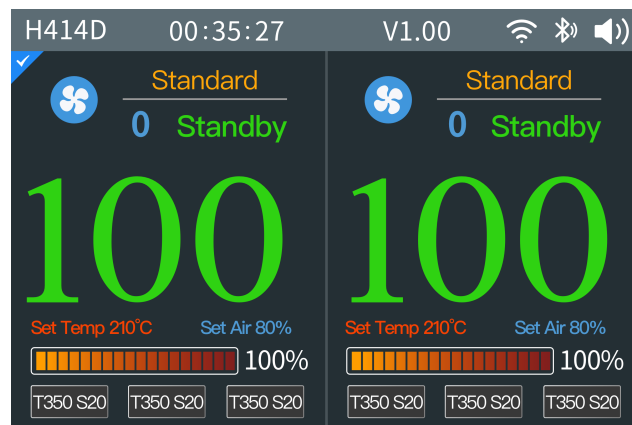
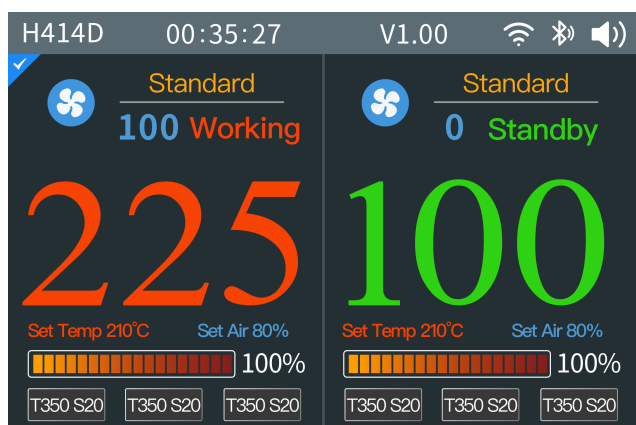


• Standby mode



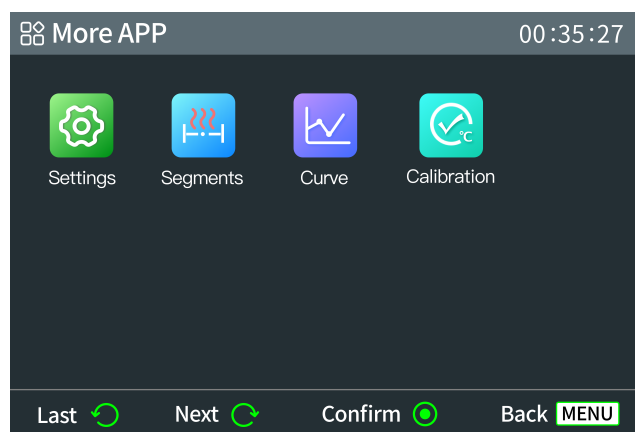
➤ The hot air station supports to work with single channel, or two channels working simultaneously. When picking up the handle from the standby holder, the hot air station will heating up to the set temperature automatically.

➤ The hot air handle is equipped with a six axis gyroscope. It can enter standby mode by placing it in the standby holder or place it on the table flatly. The host will automatically enter standby mode and drop the temperature to the preset standby value.



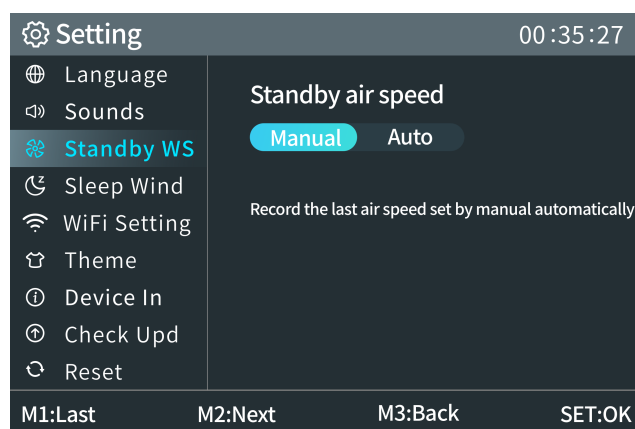
8 System Settings

- Long press the SET button to enter the applications expansion interface, select on the "Settings" icon to enter the settings interface.
- Users can adjust parameters of "language, sounds, standby wind, WIFI, theme, display mode, device information, check update and factory reset" according to their needs.



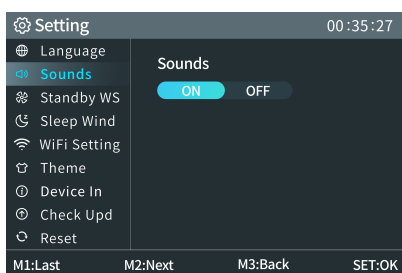
➤ Standby air speed setting

1. Standby air speed: Automatic and manual.
2. Select on "Standby air speed" and press the "SET" button to confirm, then users can adjust the air speed manually.
3. After the adjustment, press "M3" to go back.

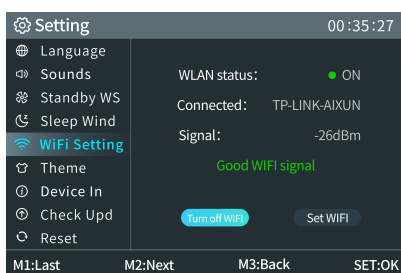


【Standby Wind】

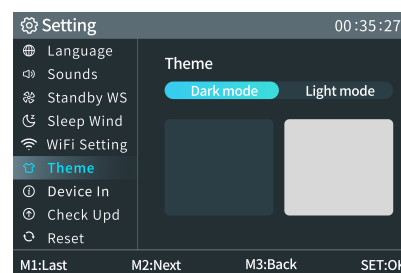
【Sounds】



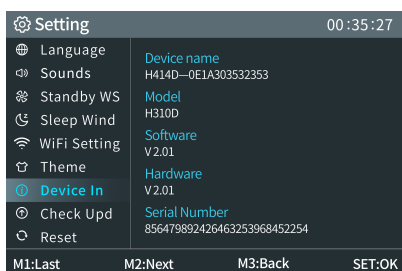
【WIFI Setting】



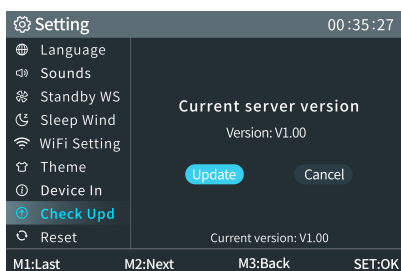
【Theme】



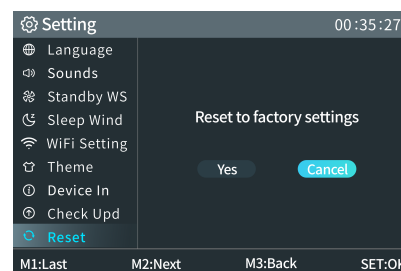
【Device Info】



【Check Update】



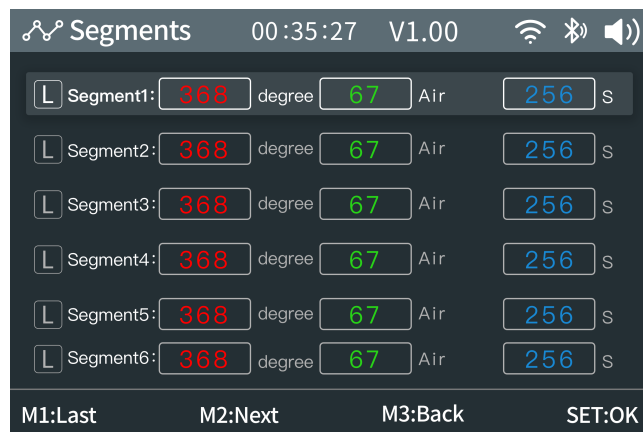
【Reset】



● Segment desoldering

- Select on the “Segment” icon and press “SET” button to enter the interface
- Press M1 and M2 to switch between the last and next segments of 1/2/3/4/5
- There are three sets values in every segment: temperature, wind speed and time respectively. It indicates that the value is selected when the outer border flashes.
- Press the “TEMP or AIR” button to switch among the temperature, air speed and time in each segment.
- After the adjustment, press the “SET” button to save the parameters.

There are five segments

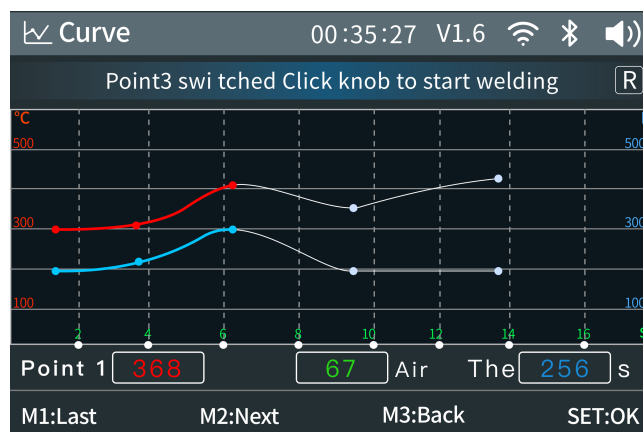


● Curve desoldering

- Select on the “Curve” icon, and press the “SET” button to enter the interface.
- There are five inflection points to be set on the curve interface

How to set the parameters of the five inflection points?

1. Enter the curve desoldering interface and there are five points, each point represents an inflection point. Press the M1 or M2 button to switch between the last and next inflection points.
2. Select on the inflection point (shown in white once be selected). Users can press the “TEMP or AIR” button to switch between the temperature and air volume of the inflection point.



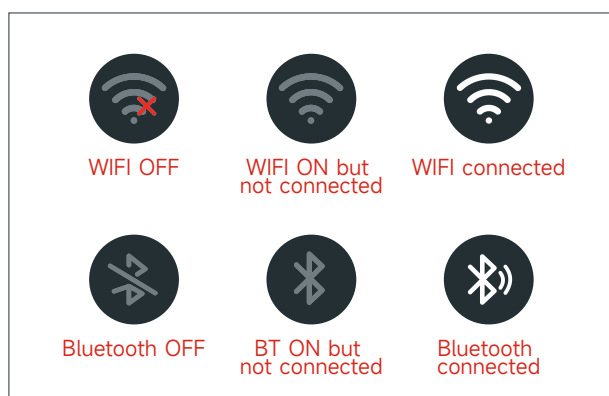
9 Setting and Connection of WIFI

• It can be connected with WIFI through mobile phone

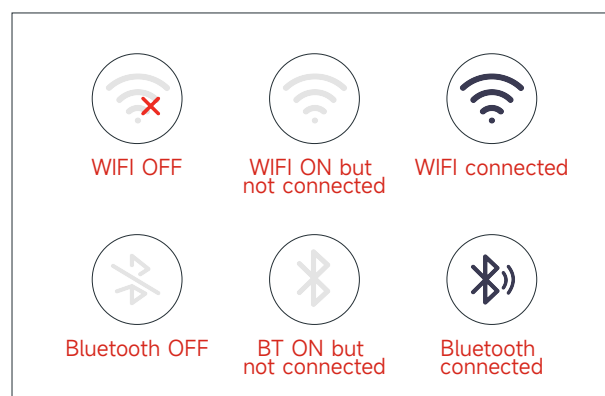
- Follow [AiXUN] official account on WeChat or scan the QR code on the right → Find [AiXUN Assistant] in "Product Information" or scan the QR code on the "Check Update" interface
- Save mobile phone WiFi as connected state and Bluetooth as ON
- Find your device code, click Connect, enter the password > Confirm to send, and wait for the connection to complete



• WIFI/Bluetooth connection states



Dark mode



Light mode

• Software upgrade

Method 1: WiFi networking OTA upgrade

- According to the WIFI settings and connection method, connect [Device] to [AiXun Assistant] through WIFI to update the software to the latest version, no data cable is required.

Method 2: Connect to the computer via Type-C data cable to upgrade

- A Type-C data cable interface is reserved on the device which can be connected to a computer. Open [AiXun Assistant], it will identify the connected device automatically.
- Select the latest software version to upgrade, and wait until the upgrade is complete.



10 Precautions

- To avoid damage to the hot air rework station and consider safety of the working environment, the following matters shall be observed:

- The product uses a three wire grounding plug, which must be inserted in a three hole grounding socket. Do not change the plug or use an ungrounded three plug adaptor to avoid poor grounding. To lengthen the wire, please use a grounded three wire power cord.
- Built-in precision electronics, non-professionals please do not disassemble without authorization.
- *Do not get the hot air rework station wet, do not touch the hot air rework station with wet hands and pull the power cord.
- The hot air rework station should not be used by children or untrained personnel; do not use the station as a hair dryer.
- Please do not mix metal flakes and wire debris into this product, otherwise it may cause electric shock, fire, or failure.
- Replace fittings with original accessories.
- If the product is in idle for a long time, please place it in a dry environment.
- Please strictly follow this manual when using.



This product has anti-static measures, please be sure to use grounding.

11 After-Sales Service

- Warranty regulations:

- The product is guaranteed for one year from the date of purchase (subject to the purchase certificate).
- The warranty service is only valid under normal use. Any man-made damage, such as the use of inappropriate accessories, failure to use in accordance with the instructions, damage caused by non official maintenance, wrong use or negligence, the warranty service will be invalid immediately.
- The company has the final right to interpret the above regulations for users who do not comply with the above regulations.

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