# AiXun

## H314 Smart Hot Air Gun
# User Manual

Please read this manual carefully before use

# 1 Product Features

● Heating core with 1400W rated power, rapid heating up; smart as usual, with higher air speed and greater power

➤ 3.5 inch IPS HD display screen, built-in with smart operation system

➤ Built-in with fingerprint function, support fingerprint recognition and automatic switch of multiple accounts

➤ Bluetooth WiFi interconnection, more stable through OTA upgrade; support AI smart voice central control

➤ Heating core with 1400W rated power, heating up to 380°C in 3 seconds under top speed mode

➤ Soft, standard, top speed modes and design of 9 channels, switch 5 sets of accounts by fingerprint, maximum 45 sets can be saved

➤ Dual combination of segment and curve desoldering, saving of exclusive user's private Cloud data, support the upgrade of various APPs

➤ Air nozzle adopts patent design of spring lock, solving the problem that air nozzle swapping might be stuck under high temperature

➤ Adopt patent design of 3D air nozzle, combining with self-designed temp control algorithm and the design of all-in-one air channel

# 2 Structures Instruction

## Front side

Air nozzle placing rack

3.5inch IPS HD display screen

Single press: curve interface
Long press: settings interface

Shortcut channels M1/M2/M3
*Single press to switch among M1/M2/M3 channels
*Long press to save M1/M2/M3 channels

Temp set knob: adjust the set temp, normal desoldering system, force working mode
*Rotate: adjust temperature
*Single press: top speed/ standard/ soft mode
*Long press for 2s: start force working mode
*Long press for 5s: force continuous working mode

Fingerprint button

Type-C interface

Power switch

Hot air gun handle

Standby holder

Closed-loop spring lock

3D air nozzle

Pull out air nozzle

Air nozzle placement

Air speed knob: adjust the set air speed/ switch among three systems/ cold air mode
* Rotate: adjust the set air speed
* Single press to switch: normal/ curve/ segment desoldering system
* Long press for 2s: start cold air mode
* Long press for 5s: force continuous cold air mode

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## | Accessories

| | |
|---|---|
| Power cord | Air nozzle (smooth wind) *4 |

Air nozzle placing rack

Standby holder | Hex key | Certificate *1 | User manual card *1

## 3 Product Parameters

| Product name: Smart Hot Air Gun | Temp range: 100-500°C |
|---|---|
| Model: H314 | Display screen: 3.5inch IPS |
| Rated power: 1400W | Input voltage: 230V~ 50Hz |
| Communication: Type-C / WIFI / Bluetooth | Air flow gear: 1%-150% |
| Blowing type: Smooth wind/Spiral wind | Air flow: 15-50m/s |

# 4 Product Operation

## ● Introduction of main interface

Model
Working state
Real time
System version
WIFI state
Bluetooth state

Modes icon switch
(Standard/ soft/ top speed mode)

Heating wire power

Set temp/ air speed

Buzzer

Working mode display
Operation reminder

Temp, air speed real time display

Air speed power

H314   Running   00:35:27   V1.62

Standard Desoldering: Standard Mode

225 °C 100

0%   Set Temp. : 328°C   Set WS : 30 %   0%

M1:T350 S20   M2:T350 S20   M3:T350 S20

Memory channel switch shortcut
Adjustable temp range: 100-500°C
Adjustable air speed range: 1-100%

## ● Curve interface

### 1.Normal desoldering system curve

➤ Press "SET" button to enter the curve interface

➤ Rotate "Temperature knob" to adjust the set temperature
Rotate "Air speed knob" to adjust the set air speed

➤ Press "M1, M2 and M3 buttons to switch memory shortcut channel

➤ Press "SET" button to exit and back to the main interface

AC:193V   Running   00:47:41   V1.05

Standard Desoldering : Turbo Mode

°C
500
300
100

F
100
60
20

0   60   120   180   240   300   360   420   480   540   600   S

8%   Set Temp. : 00 °C   Set WS : 30%   30%

M1:T200 S30   M2:T200 S30   M3:T380 S30
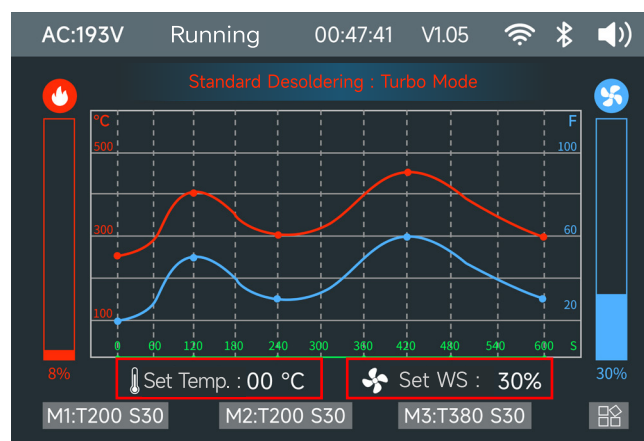
# 2. Curve desoldering system

➤ Press "SET" button to enter the curve interface

➤ Press "Air speed knob" to switch to
curve desoldering system
(There are five inflection points, users can set the starting
point of the curve desoldering at will)

➤ Rotate the "Air speed knob" to select
any inflection point
Press the "Temperature knob" to set
the starting point of the curve desoldering

➤ Press the "M1, M2, M3" buttons to view
the values of the shortcuts

➤ Press the "SET" button to exit and back to the main interface
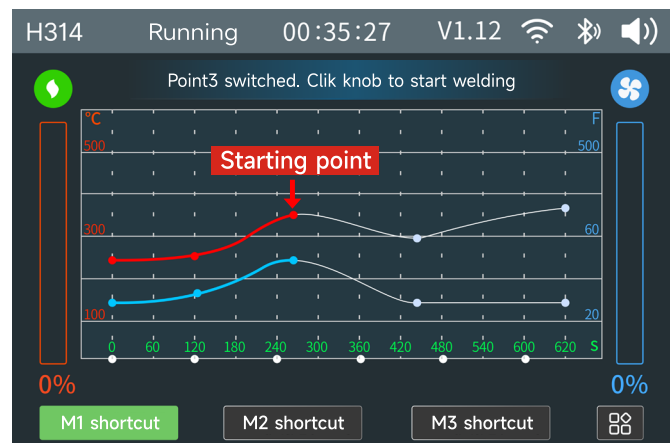


# Value settings of curve desoldering
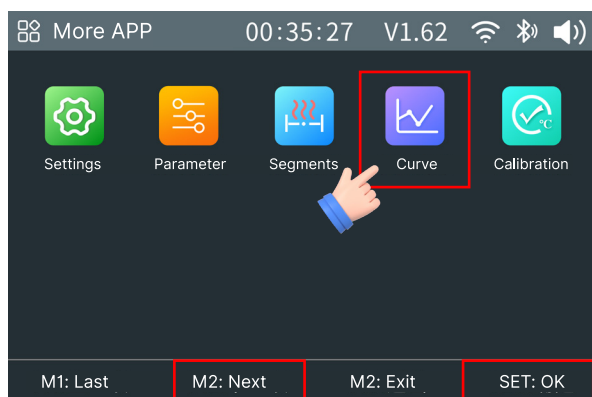


➤ Long press the "SET" button to enter the
expanded applications interface

➤ Press the "M2 button" to switch to the curve desoldering interface;
Press the "STE button" to enter the curve desoldering interface
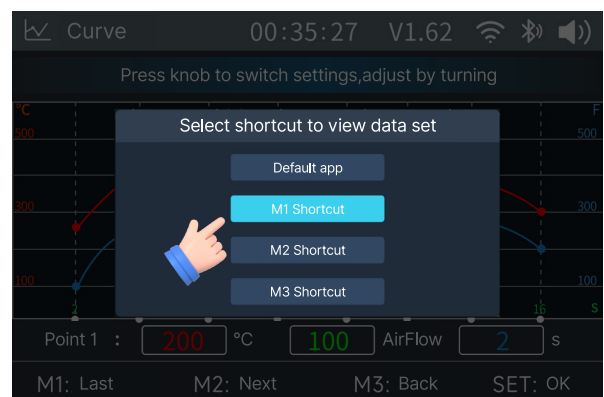


➤ Users can select "default shortcut, M1 shortcut, M2
shortcut and M3 shortcut" at will

Users can set values of M1/M2/M3 shortcuts
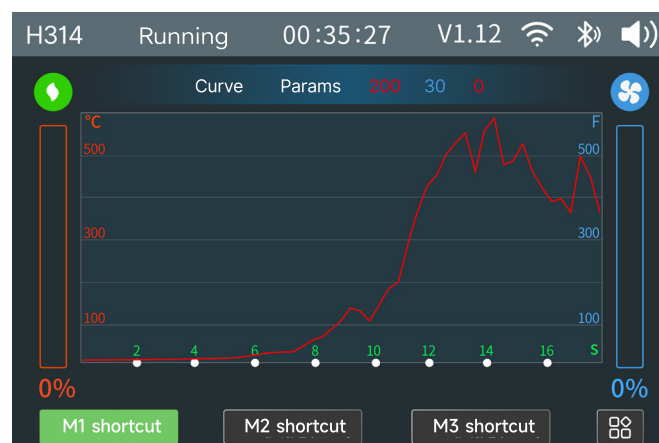(Each shortcut has five inflection point values to be set)
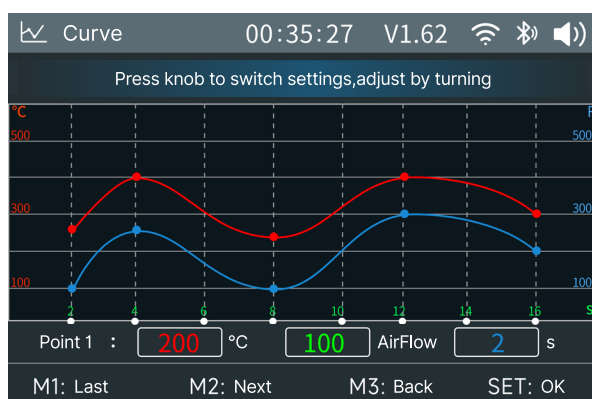




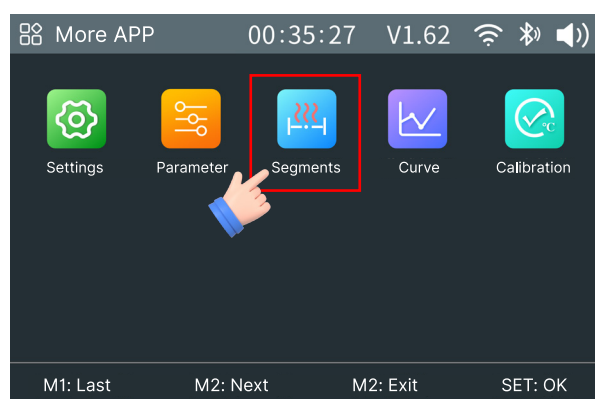Temperature knob          Air speed knob

➤ The "temperature, air speed and time" of each inflection point can be set; press "M1 (last line) or M2 (next line)"
to switch among each inflection point

➤ Press the "air speed knob/temperature knob" to switch the "temperature, air speed and time" of each inflection point
Rotate the "air speed knob/temperature knob" to adjust the "temperature" , "air speed" or "time"

➤ After setting, long press the "SET" button to save the data, or long press "M1-M3" to save the value to the shortcut channel;
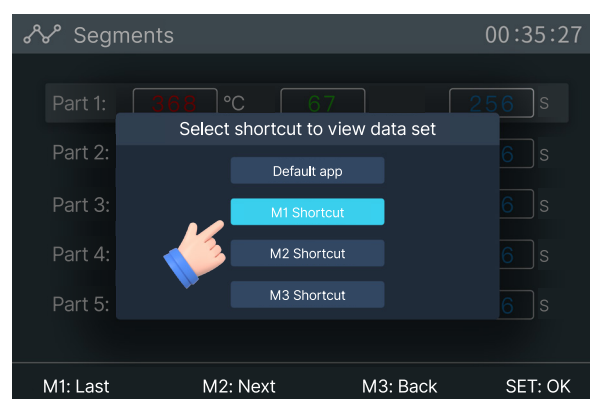Press the "SET" button to exit and back to the main interface

# 3. Segment desoldering

➤ Press the "STE" button to enter the curve interface

➤ Press "Air speed knob" to switch to segment desoldering system

➤ Press the "M1, M2, M3" buttons to view the values of the shortcuts

➤ Pick up the handle to start working

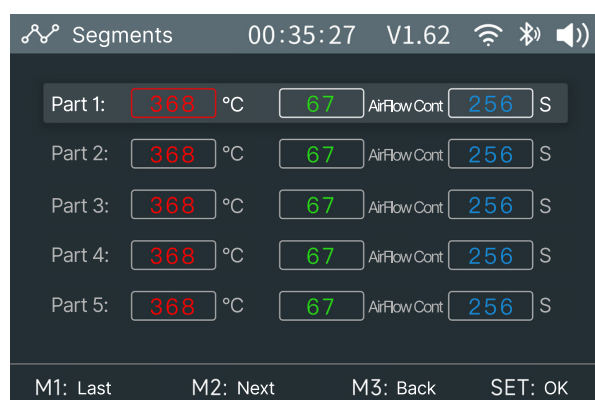➤ Press "Set" button to exit and back to the main interface

H314　　Running　　00:35:27　　V1.12

Curve　Params　200　30　0

℃　　　　　　　　　　　　　　　　F
500　　　　　　　　　　　　　　　500

300　　　　　　　　　　　　　　　300

100　　　　　　　　　　　　　　　100

2　4　6　8　10　12　14　16　S

0%　　　　　　　　　　　　　　0%

M1 shortcut　　M2 shortcut　　M3 shortcut

# Value settings of segment desoldering

More APP　　00:35:27　V1.62

Settings　Parameter　Segments　Curve　Calibration

M1: Last　　M2: Next　　M2: Exit　　SET: OK

➤ Long press the "SET" button to enter the expanded applications interface

➤ Press the "M2 button" to switch to the segment desoldering interface; Press the "STE button" to enter the segment desoldering interface

Segments　　　　　　　　00:35:27

Part 1:　368　℃　67　　256　S
Part 2:　　　　　　　　　　　6　S
Part 3:　　　　　　　　　　　6　S
Part 4:　　　　　　　　　　　6　S
Part 5:　　　　　　　　　　　6　S

Select shortcut to view data set

Default app
M1 Shortcut
M2 Shortcut
M3 Shortcut

M1: Last　　M2: Next　　M3: Back　　SET: OK

➤ Rotate "Air speed knob" to select "default shortcut, M1 shortcut, M2 shortcut and M3 shortcut" at will Each shortcut has five segments of values that can be set

Segments　　00:35:27　V1.62

Part 1:　368　℃　67　AirFlow Cont　256　S
Part 2:　368　℃　67　AirFlow Cont　256　S
Part 3:　368　℃　67　AirFlow Cont　256　S
Part 4:　368　℃　67　AirFlow Cont　256　S
Part 5:　368　℃　67　AirFlow Cont　256　S

M1: Last　　M2: Next　　M3: Back　　SET: OK

➤ The "temperature, air speed and time" of each segment can be set Press "M1 (last line) or M2 (next line)" to switch among each segment

➤ Press the "air speed knob/temperature knob" to switch the "temperature, air speed and time" of segment 1/ 2/ 3/ 4/ 5

Rotate the "air speed knob/temperature knob" to adjust the "temperature" , "air speed" or "time"

➤ After setting, long press the "SET" button to save the data, or long press "M1-M3" to save the value to the shortcut channel;

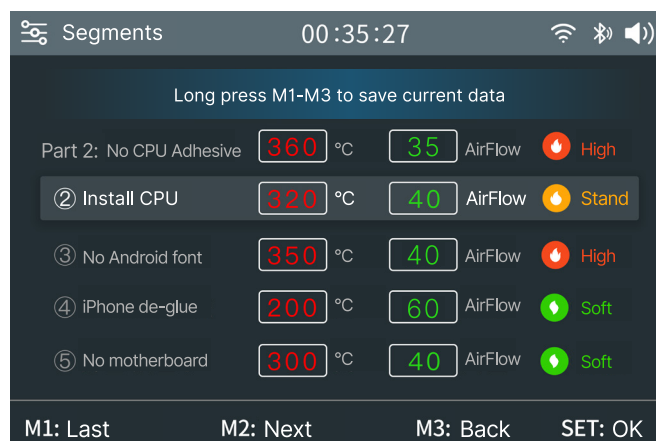➤ Press the "SET" button to exit and back to the main interface

Note:
Segment is selected: there is a color block at the bottom
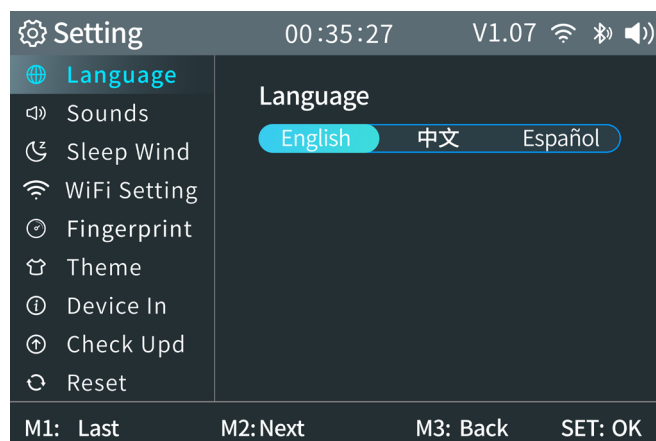"Temperature/ air flow/ time" is selected: the selected bar will flash

## ● Desoldering parameters

➤ * Long press the "SET" button to enter the expanded applications interface
* Press "M2 (next)" and select "desoldering parameters" interface
*Press the "SET" button to enter the interface

➤ Press "M1 (last) or M2 (next)" to switch the desoldering parameters of "remove CPU without glue, install CPU, remove Android Nand, iPhone glue removing, remove motherboard socket", etc.

➤ Long press the "M1, M2, M3" buttons to save the selected parameters to the shortcut channels of different modes

➤ Press "Set" button to exit and back to the main interface. You can directly call the shortcut channel in the operation interface

| Segments | 00:35:27 | | | |
|---|---|---|---|---|
| Long press M1-M3 to save current data | | | | |
| Part 2: No CPU Adhesive | 360 °C | 35 | AirFlow | High |
| ② Install CPU | 320 °C | 40 | AirFlow | Stand |
| ③ No Android font | 350 °C | 40 | AirFlow | High |
| ④ iPhone de-glue | 200 °C | 60 | AirFlow | Soft |
| ⑤ No motherboard | 300 °C | 40 | AirFlow | Soft |
| M1: Last | M2: Next | M3: Back | SET: OK | |

## ● System settings

➤ Long press the "SET" button to enter the expanded applications interface, select on the "Settings" icon
Press "SET" to enter this interface

➤ Users can adjust the corresponding parameters according to their needs, press "M1 (last) or M2 (next)" to switch the parameters of
"Language, sounds, standby air speed, WIFI, fingerprint, theme, device info, update and restore"

➤ Select the parameters to be set, press the "SET" button to enter the setting interface
(For example: If you need switch language, select on the language, press the "SET" button to enter this interface, then press "SET" again to set the needed language, after setting, press "M3" to go back)

| Setting | 00:35:27 | V1.07 | |
|---|---|---|---|
| Language | Language | | |
| Sounds | English 中文 Español | | |
| Sleep Wind | | | |
| WiFi Setting | | | |
| Fingerprint | | | |
| Theme | | | |
| Device In | | | |
| Check Upd | | | |
| Reset | | | |
| M1: Last | M2: Next | M3: Back | SET: OK |

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# 5 Online Upgrade/ WIFI OTA Upgrade

## WIFI setting

● Connect the device with WiFi through mobile phone
  (only support 2.4G WIFI network configuration so far)

### Method 1: Configure network through AiXun official account

➤ Follow [AiXUN] official account on WeChat or scan the QR code
  Find [AiXUN Assistant] in "Product Information" or scan the
  QR code on the "WIFI Setting" 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
  Check device code: Check the device name and other information in "Device Info" in Settings

### Method 2: Configure network through WeChat mini program

● When the device is connected to WIFI for the first time, please use
  the "AiXun Assistant" on WeChat mini program

➤ Enter the "AiXun Assistant"
  mini program

Option 1: Scan the QR code below
to enter the AiXun Assistant mini program

Option 2: Search the "AiXun Assistant"
mini program on WeChat

Option 3: Connect through "AiXun Platform".
Click the "WIFI" icon on the upgrade interface
 of H314, then a "WeChat mini program
QR code" will appear

Scan the QR
code on WeChat

Search "AiXun Assistant"
mini program on WeChat

➤ Find the corresponding device

Enter the "AiXun Assistant" mini program,
you will see the device list, find the
corresponding product model, and click
"Connect"]
(Allow to use when the Bluetooth is turned on or when
the Bluetooth requests to use mini program. When there
are several H314 at the same time, check the machine
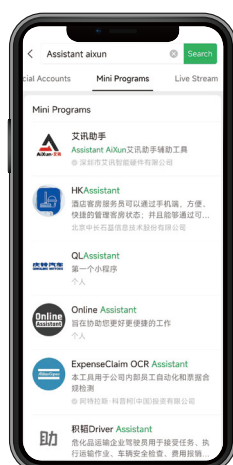code in device information and then connect accordingly)

Check device code:  Check the device name and other information in
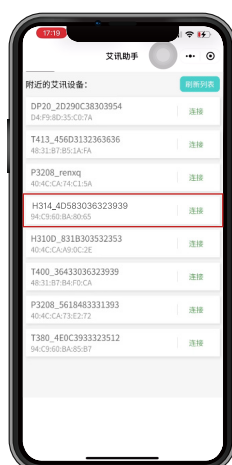"Device Info" in Settings

➤ Connect successfully

Wait for connection. After the first
successful connection, there is no
need to connect again for the second
time. The device will connect with
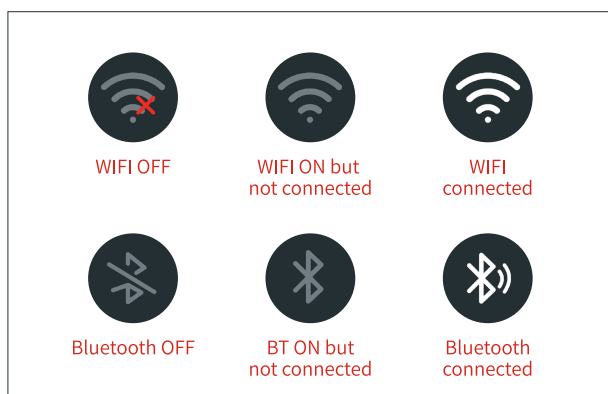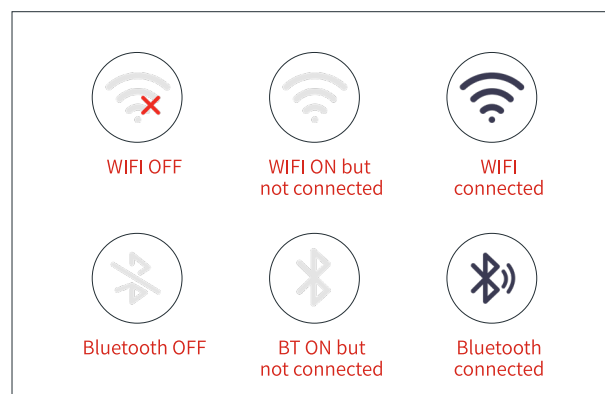WIFI automatically next time

# ● WIFI/Bluetooth connection states

| | | |
|---|---|---|
| WIFI OFF | WIFI ON but not connected | WIFI connected |
| Bluetooth OFF | BT ON but not connected | Bluetooth connected |

**Dark mode**

| | | |
|---|---|---|
| WIFI OFF | WIFI ON but not connected | WIFI connected |
| Bluetooth OFF | BT ON but not connected | Bluetooth connected |

**Light mode**

# || Software upgrade

## Method 1: WIFI networking and upgrade software via OTA

➤ According to the WIFI settings and connection method, after connect the device with WIFI, the software can be upgraded to the latest version on the device, 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 Platform], it will identify the connected device automatically

➤ Select the latest software version to upgrade, and wait until the upgrade is complete
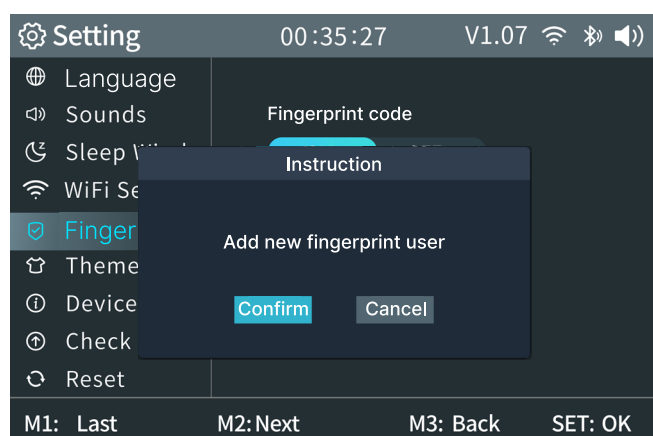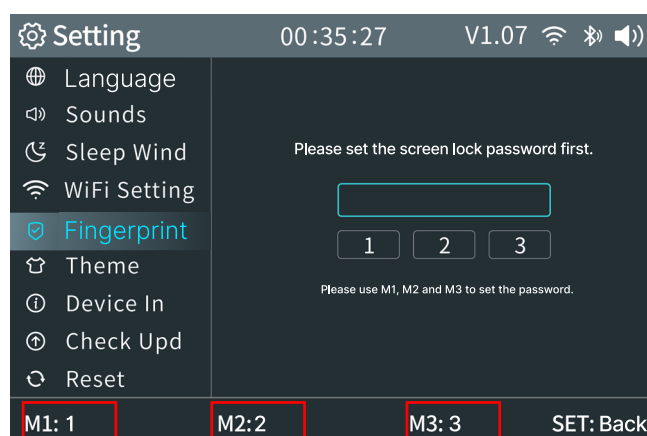
# 6 Fingerprint Setting

➤ Long press the "SET" button to enter the expanded applications interface, select on the "Settings" icon
Press "SET" to enter this interface

➤ Press "M1 (last) or M2 (next)" to select on "Fingerprint"
Press "Set" button again to enter the fingerprint users interface

➤ Press the "SET or Air Speed Knob or Temperature Knob" button to turn on/off the fingerprint password;



Setting  00:35:27  V1.07
- Language
- Sounds
- Sleep Wind
- WiFi Setting
- Fingerprint
- Theme
- Device In
- Check Upd
- Reset

Fingerprint code
ON    OFF

Add FP
⊕
Add FP

M1:  Last        M2: Next        M3: Back        SET: OK

## ▌ Add fingerprint



Setting  00:35:27  V1.07
- Language
- Sounds
- Sleep Wind
- WiFi Se
- Finger
- Theme
- Device
- Check
- Reset

Fingerprint code
Instruction
Add new fingerprint user
Confirm    Cancel

M1:  Last        M2: Next        M3: Back        SET: OK



Setting  00:35:27  V1.07
- Language
- Sounds
- Sleep Wind
- WiFi Setting
- Fingerprint
- Theme
- Device In
- Check Upd
- Reset

Please set the screen lock password first.

1    2    3

Please use M1, M2 and M3 to set the password.

M1: 1        M2: 2        M3: 3        SET: Back

➤ Press "M1 (last) or M2 (next)" to select "Add fingerprint";
Then press the "SET" button to confirm adding fingerprint

➤ Users need to set a lock screen password, please use M1, M2, M3 to set the password



Setting  00:35:27  V1.07
- Language
- Sounds
- Sleep Wind
- WiFi Setting
- Fingerprint
- Theme
- Device In
- Check Upd
- Reset

Add FP

Please press your Fingerprint

M1:  Last        M2: Next        M3: Back        SET: OK

➤ After setting the lock screen password, press the fingerprint, and after the fingerprint is fully filled in, press "SET" button to confirm. After setting, press the "M3" button to go back
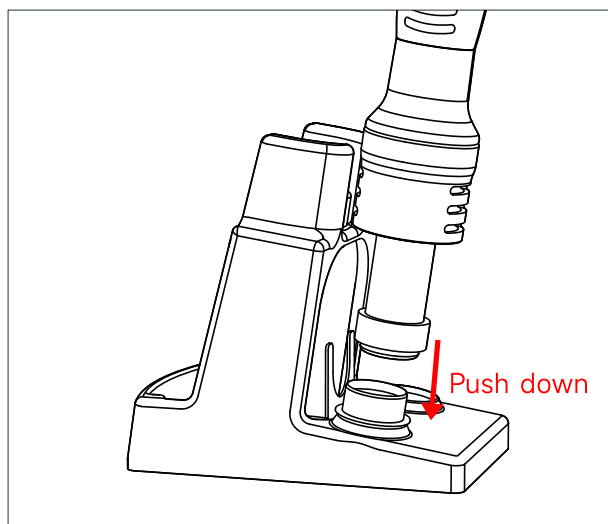
# 7 Air Nozzles Replacement

Air nozzle placement area

Baffle for disassembly

Air nozzle placement area
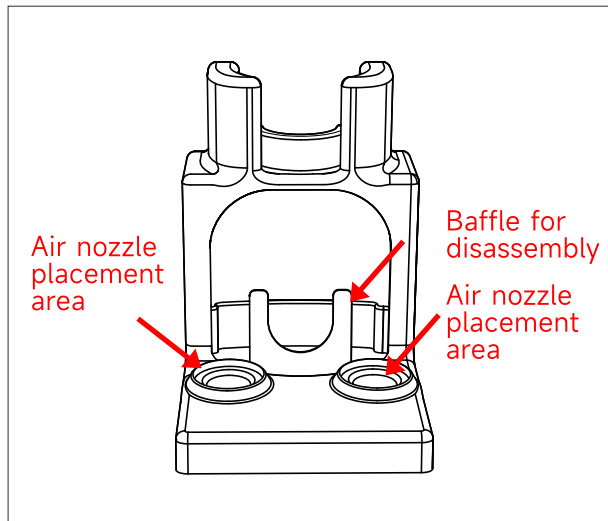
Pull out

➤ Users can place the air nozzle in the "air nozzle placement area", convenient and neat, replace quickly
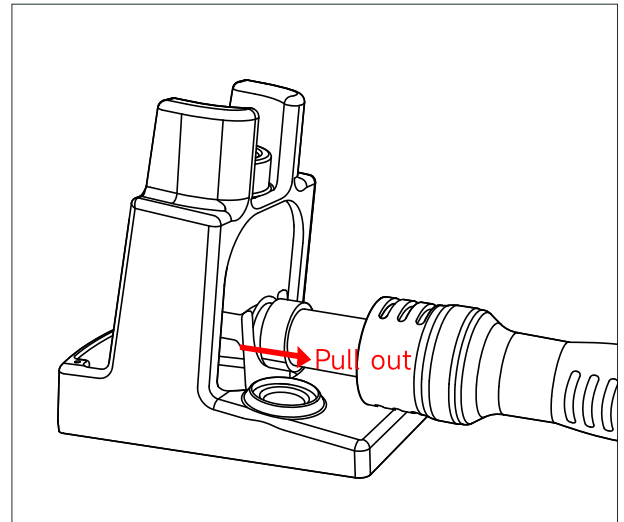
➤ Place the handle of the air gun on the "baffle for disassembly" and slowly pull out the air nozzle in use. Do not operate with hands to prevent burns.

Push down

➤ Place the air nozzle in the "air nozzle placement area" and push the handle of the air gun down to install the air nozzle quickly
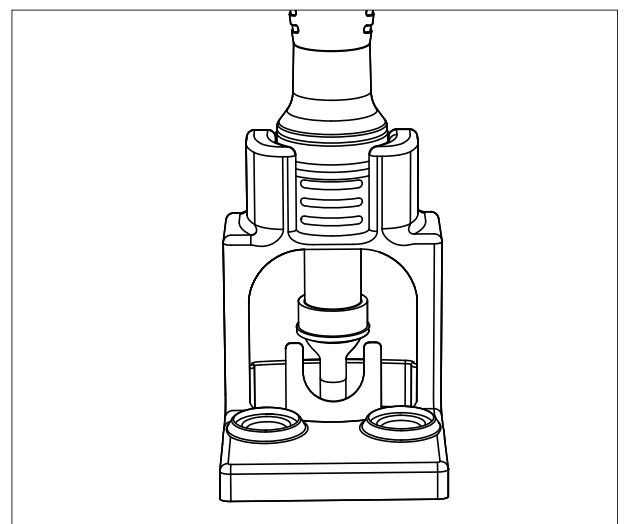
➤ Effect after installation, simple and convenient

● Simple and convenient operation, easy to learn

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## 8 Precautions

● **To avoid damage to the hot air gun 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.

● Please adjust strictly according to the official parameters. Do not exceed the value range to prevent product damage and malfunction.

● The hot air gun 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 it is in idle for a long time, please place it in a dry environment.

● Do not get the hot air gun wet, or do not touch the hot air gun with wet hands nor pull the power cord.

● Please strictly follow this manual when using.

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

## 9 After Sale 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. All man-made damage, such as improper use of accessories, failure to use according to instructions, damage not caused by our company's repair, wrong use or negligence, the warranty service will immediately invalid.

● The company has the final right to interpret the above regulations for users who do not comply with the above regulations.

AiXun

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ISO
ISO9001

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