Manuals+ — User Manuals Simplified.

Shenzhen Yingbojingkong Technology IHC-200-WIFI Humidity Controller User Manual

**IHC-200-WIFI
Humidity Controller**

IHC-200-WIFI
Humidity Controller

Contents

Introduction

1. PV: In the normal mode, it displays current humidity; in the setting mode, it displays menu code.

2. SV: In the normal mode, it displays the setting humidity value; in the setting mode, it displays the setting value.

3. Red Indicator Light: The indicator light will turn red when the humidification output is on and the indicator light will turn off when the humidification output is off.

4. Green Indicator Light: The indicator light will turn green when the dehumidification output is on and the indicator light will turn off when the humidification output is off. If the green indicator light blinks, the device is in the mode of dehumidification delay protection state and the humidification output is off.

5. **WORK1:** Humidification Output Socket.

6. **WORK2:** Dehumidification Output Socket.

7. Setting Button **(set)** , Increase Button(▲), Decrease Button(▼): More details on Settings. SET WIFI

Product Features

- Plug-n-Play
- Dual Relay Output: Support both humidifying equipment and dehumidifying equipment at the same time.

- Display Screens: Display set humidity value and the measured humidity value at the same time.
- Support Humidity Calibration
- Support Dehumidification Control Delay Protection
- Settable High/Low Humidity Alarm
- Probe Fault Alarm
- Wi-Fi Smart App

Specifications

- Voltage: 100 – 230vac 50/60Hz
- Current: 10A
- Maximum Power: 1200W (120Vac), 2200W (220Vac)
- Humidity Measurement Range: 10~99%RH
- Humidity Display Accuracy: 0.1%RH
- Relative Humidity Accuracy (10%to 95%RH: Typ: ±3%RH, Max: ±5%RH
- Display Unit: %RH
- Operating Ambient Temperature:-20°C~40°C/-40°F~104°F
- Storage Temperature: 0°C-60°C/32°F-140T
- Storage Humidity: 20-80%RH (not frozen or dewed)
- Warranty: Controller: 2 years Probe: 1 year

Wi-Fi Connection

4.1 Download Pro App
Search the keyword "Pro App" in Appstore r Google Play to get the app, or you can scan the following QR code directly to download and install the app.
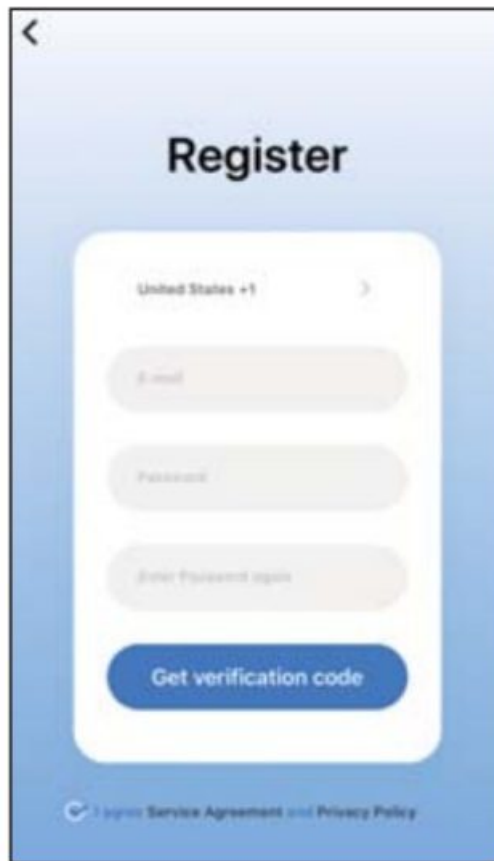

http://appurl.me/79818415865

Scan QR code to download
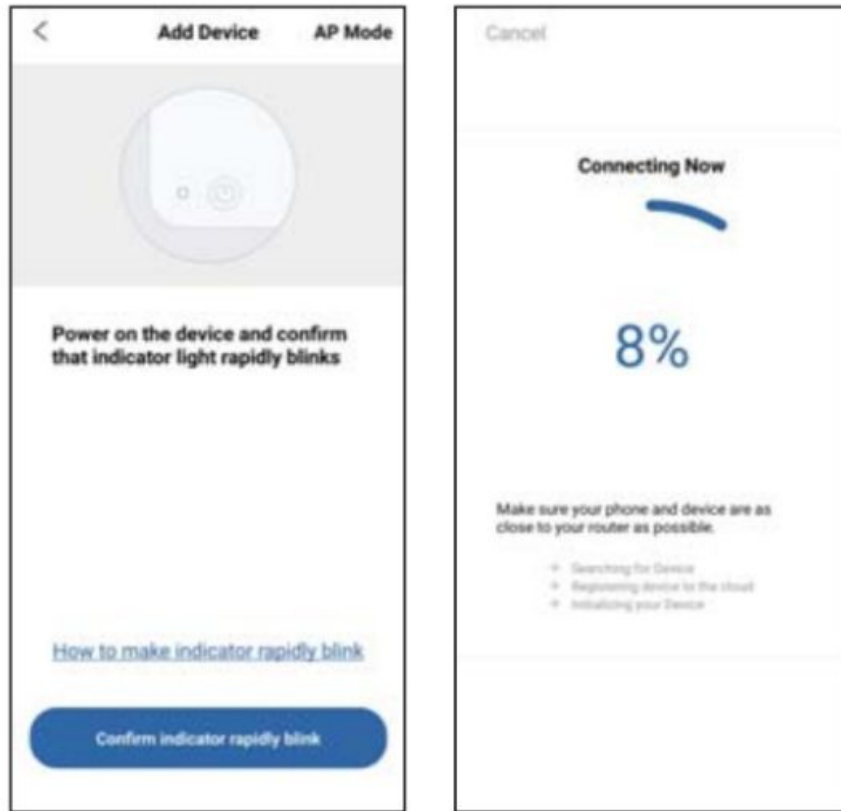**Pro APP**

4.2 Connect to your phone

1. Register before using the Pro app. Select our Country/Region, enter your e-mail, then a verification code will be sent to your mailbox, enter it to confirm your identity, and the registration is done.
2. Then press the "Add Home" button to create your home.

3. Tap the **"+"** or "add device" button on the home page of the APP to add the device.
4. Press and hold the button for 2 seconds to reset the Wi-Fi when the controller is under a normal working state.
5. The controller will enter the Smartconfig configuration state by default. You can short press the button to switch between the Smartconfig configuration mode and the AP mode. As the WIFI module needs time for data processing, it will take about 5 seconds to display the corresponding LED symbol and state if the Wi-Fi states change.
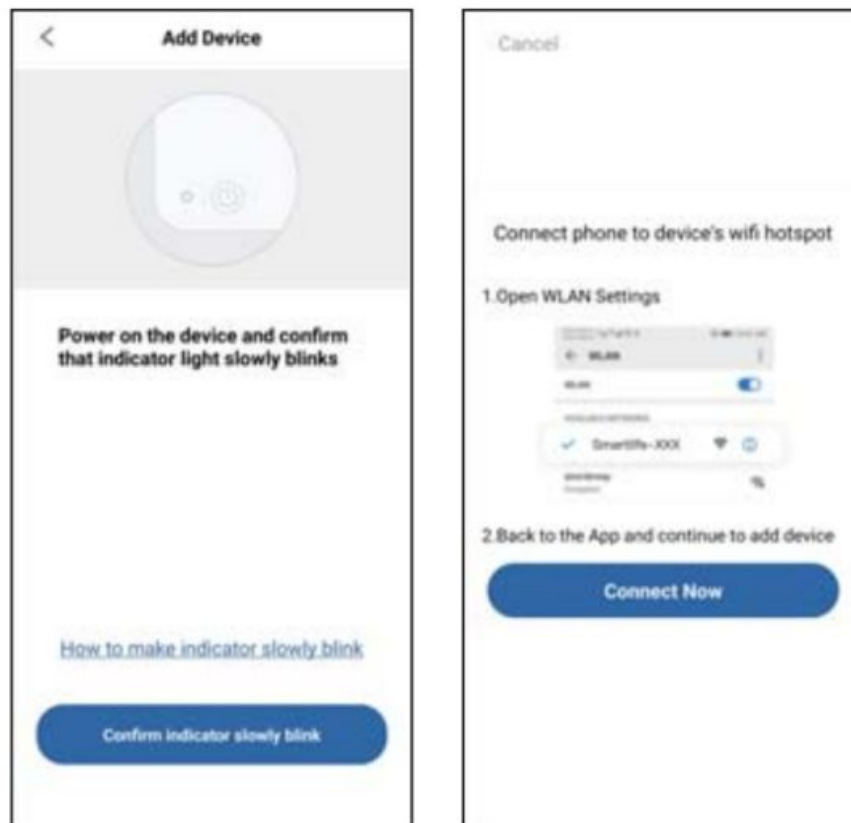
4.3 Quick Connection

1. Plug the device in the socket and make sure that the device is in the Smartconfig state (the LED symbol is flashing rapidly, interval flashing 250ms).
2. Check if the LED symbol is blinking rapidly and confirm on your app if it is, then enter your Wi-Fi password to connect to a wireless network, click "Confirm" to connect the device. Wi-Fi router.

Power on the device and confirm
that indicator light rapidly blinks

How to make indicator rapidly blink

Confirm indicator rapidly blink

Cancel

Connecting Now

8%

Make sure your phone and device are as
close to your router as possible.

+ Searching for Device
+ Registering device to the cloud
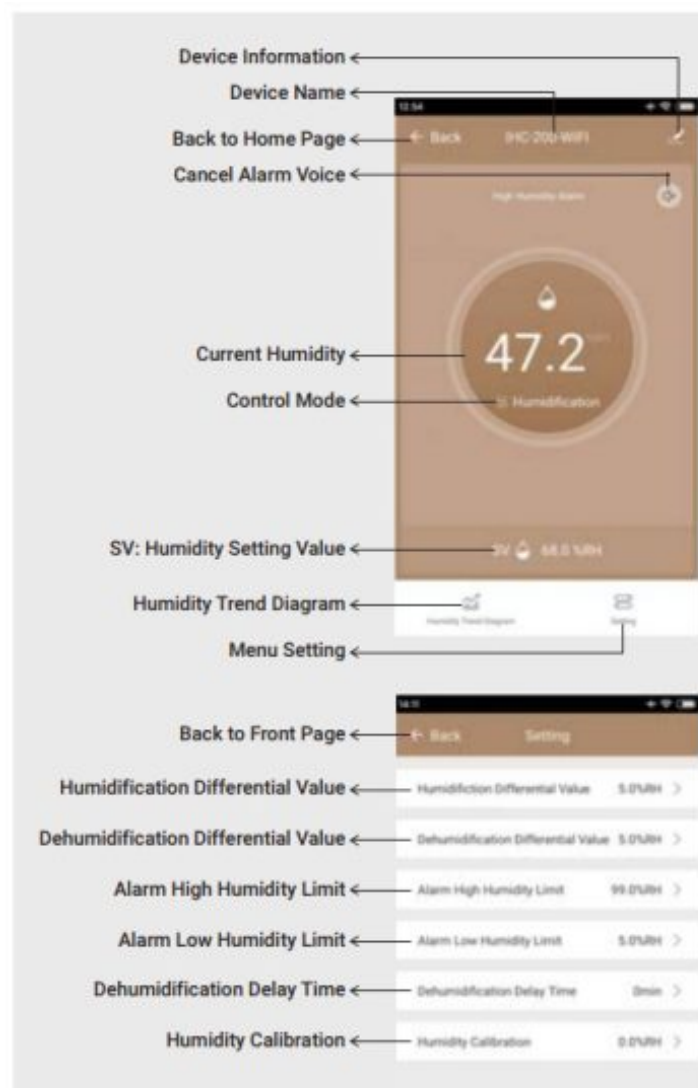+ Initializing your Device

4.4 Connect the device in AP mode

1. Plug the device in the socket and make sure that the device is in the AP Configuration State (the LED symbol is flashing slowly, interval flashing 1500ms).
2. Click "Confirm indicator slowly blink" and then select Wi-Fi network, enter Wi-Fi password, click **"Confirm"** to interconnection process.
3. Press "Connect now" and it will go to your WLAN Setting interface on your smartphone, select the "SmartLife-XXXX" to directly connect to the router without putting in a password.
4. Go back to the app to enter into the automatic connection interface.
5. Click "Done" after adding the device successfully and enter into the device controlling interface.

Add Device

Power on the device and confirm that indicator light slowly blinks

How to make indicator slowly blink

Confirm indicator slowly blink

Cancel

Connect phone to device's wifi hotspot

1.Open WLAN Settings

Smartlife-XXX

2.Back to the App and continue to add device

Connect Now

6. In the humidity control mode, users can do some control function settings with the app.

Device Information

Device Name

Back to Home Page

Cancel Alarm Voice

Current Humidity — 47.2

Control Mode — Humidification

SV: Humidity Setting Value

Humidity Trend Diagram

Menu Setting

Back to Front Page

Humidification Differential Value

Dehumidification Differential Value

Alarm High Humidity Limit

Alarm Low Humidity Limit

Dehumidification Delay Time

Humidity Calibration

4.5 Wi-Fi State

- Smart config State: The Wi-Fi indicator light is flashing rapidly, interval flashing 250ms.
- AP State: The Wi-Fi indicator light is flashing slowly interval flashing 1500ms.
- Connection Fail State: The Wi-Fi indicator light turns off.
- Connection Succeed State: The Wi-Fi indicator light keeps on.

Settings

5.1 Key Setting
5.1.1 Factory Reset
Hold the▼ button and turn on the device, the buzzer will beep shortly to remind the users that all parameters of the humidity probe are restored to factory settings.
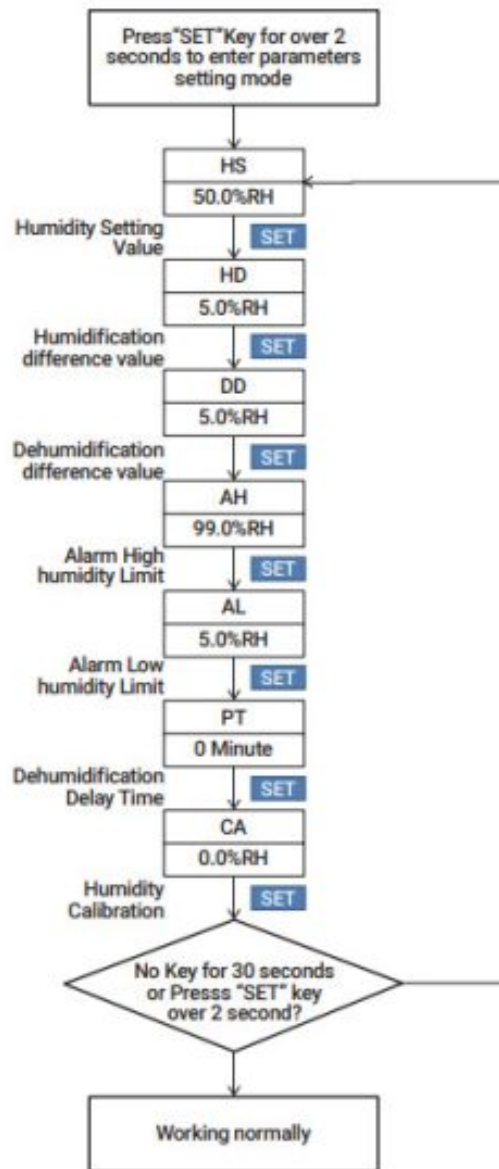
5.1.2 Fast Setting
Press the **SET** button lightly to enter quick set-up mode and set the value, the SV screen will display the current setting value and keep flashing. Press **SET** the button or▼ the▲ button to change the value, hold the▲ button or the button to change the value quickly, press the▼ button again to save settings and quit the setting mode, the controller will also save settings and quit the setting mode if there is no operation for 10 seconds.

5.1.3 Normal Setting
Hold the button **SET** for 2 seconds to enter setting mode when the controller working normally, the PV screen will display the code "HS" of the first menu item and the SV screen will display the corresponding setting value. Press the **SET** button to switch between menu items, press▲ the button or the button to change the value, the value will be saved automatically when you switch to another menu item by pressing the **SET** button.
Press and hold the **SET** button for 2 seconds to save settings and quit the setting mode, the controller will also quit the setting mode and turn to normal working mode if there's no operation for 30 seconds.

5.2 Flowchart of the Settings

Flowchart:

Press "SET" Key for over 2 seconds to enter parameters setting mode

↓

HS
50.0%RH
— Humidity Setting Value — SET

↓

HD
5.0%RH
— Humidification difference value — SET

↓

DD
5.0%RH
— Dehumidification difference value — SET

↓

AH
99.0%RH
— Alarm High humidity Limit — SET

↓

AL
5.0%RH
— Alarm Low humidity Limit — SET

↓

PT
0 Minute
— Dehumidification Delay Time — SET

↓

CA
0.0%RH
— Humidity Calibration — SET

↓

No Key for 30 seconds or Presss "SET" key over 2 second?

↓

Working normally

5.3 Icons in this Manual

Symbol	HS	Function	Setting Range	factory Set tings	Note
HS	HS	Humidity Setting Valu	5.0%RH-99.0%RH	50.0%RH	See 6.1
HD	Hd	Humidification Difference Va lue	1.13%RH-20.0%RH	5.0%RH	
DD	dd	Dehumidification Difference Value	5.0%RH-99.0%RH	5.096RH	
AH	RR	Alarm High Humidity Limit	5.0%RH-99.0%RH	99.0%RH	See 6.2
Al-	FIL	Alarm Low Humidity Limit	5.0%RH-99.0%RH	5.0%RH	
PT	pt	Dehumidification Delay Tim e	0-10 Minutes	0 Minute	See 6.3
CA	GR	Humidity Calibration	-20.0%RH-20.0%RH	0.0%RH	See 6.4

Basic Operations

6.1 Instructions for Humidity Control Setting(HS,HD,DD)

The PV Screen displays the measured value of current humidity when working normally, recognize and switch between humidification mode and dehumidification mode automatically. If the measured Humidity (PV)≤ Humidity Setting Value (HS)-Humidification Differential Value (HD), the equipment will enter humidification state, the red led is on, WORK1 output socket turns on. If the measured Humidity (PV)≤ Humidity Setting Value (HS)-Humidification Differential Value red led is off, the WORK1 output socket turns off.

If the measured Humidity (PV) a Humidity Setting Value (HS)+DehumIdification Differential Value (DD), the equipment will enter dehumidification state, the green led is on, WORK2 output socket turns on. If the green led is blinking, Indicating that the dehumidification device is in the state of the dehumidification delay protection, the WORK2 output socket turns off. If the measured Humidity (PV) s Humidity Setting Value (HS), the green led is off, WORK2 output socket turns off.

Example: HS=50.0%RH, HDr5.0%RH, Dor8.0%RH, If PV (the measured humidity) a 58.0%RH (HS+DD), the equipment will enter the dehumidification state, the green led is on, WORK2 output socket turns on. If PV s 55.0%RH (HS), the green led is off, WORK2 output socket turns off. If PV s45.0%RH (HS-HD), the equipment will enter the humidification state, the red led is on, WORK1 output socket turns on. If PV 50.0%RH (HS), the red led is off, WORK1 output socket turns off.

Note: There Is no need to judge the differential value of humidification or dehumidification when power is on or exiting the setting state. For example: when power is on or exiting the setting state HS=50.0%, RH, HDr5.O%RH, DDr8.0%RH. If PV (the measured humidity) > 50.0%RH (HS), it will enter the dehumidification state. When PV s 50.0%RH (HS), the dehumidification stops, then returns to normal humidity control mode. If PV < 50.0%RH, It will enter the humidified- by state. When PV t 50.0%RH, the humidification stops, then returns to normal humidity control mode.

6.2 High/Low Humidity Alarm (AH, AL)

The equipment will alarm if the value of measured humidity (PV) t the set value of high humidity alarm (AH), the PV screen will display the set value of high humidity alarm (AH) and the current humidity value alternately, the buzzer will alarm like "bi-bi-Bieuntil the value of measured humidity (PV) < the set value of high humidity alarm (AH). You can also stop the alarm by pressing any button of the equipment. The equipment will alarm if the value of measured humidity (PV) s the set value of Low humidity alarm (AL), the PV screen will display the set value of low humidity alarm (AL) and the current humidity value alternately, the buzzer will alarm like "bi-bi-Eliii" until the value of measured humidity (PV), the set value of low humidity alarm (AL). You can also stop the alarm by pressing any button of the equipment.

Note: The setting value of low humidity alarm (AL) should be less than the setting value of high humidity ala run (AN).

6.3 Dehumidification Delay Time (PT)

The equipment will not start immediately inthe mode of dehumidification for the first time if the measured value is larger than the sum value of the set humidity value and dehumidification return difference, the equipment will start to dehumidify after the set delay time.

The equipment will dehumidify immediately if the interval time of two adjacent dehumidification is longer than the delay time. The equipment will dehumidify after delay time if the interval time of two adjacent dehumidification is shorter than the delay time.

The delay time starts timing when the last dehumidification is done.

Note: There is no need to judge the delay time when power on or exiting the setting state.

6.4 Humidity Calibration (CA)

If the measured humidity differs from the standard humidity, you can calibrate the device by adding or reducing the correction value to align the measured humidity to the standard humidity. The calibrated humidity e the measured humidity value + the calibration value.

Sensor Fault Alarm

If the humidity sensor is in circumstances of short circuit or open circuit, the controller will enter probe fault mode and stop running, the buzzer will alarm and the screen will display ER. You can press any key to stop the buzzer

and the controller was back to a normal working state when all malfunctions are resolved.

Important Safeguards

It's important that you take special care when using electrical appliances. Follow our tips to stay safe.

- Read all instructions.
- Check that flexible leads and the appliance are in good condition.
- Check your plug sockets are not overloaded with too many electrical appliances as this can lead to overheating.
- Do not use appliances other than intended use.
- Do not cut the cord, or put it on hot surfaces.
- Do not place on or near a hot gas or electric burner, or in a heated oven.
- Don't try to clean or repair the appliance when it is still plugged in.
- Don't wrap flexible cables around the appliance when it is still warm.
- Switch off the device when not in use.
- Please disconnect the power as soon as possible if the device falls into the water, the Warranty does not include water damage.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge unless they have been given supervision or instruction concerning the use of the appliance by a person responsible for their safety. Children should be supervised to ensure that they do not play with the appliance. Close supervision is necessary when any appliance is used by or near children.

Warranty

This Limited Warranty applies only to INC-200-WIFI Humidity Controller.
What is Covered and for How Long
Warrants that all new products are free from defects in manufacturing, materials and workmanship for a period of one year from date of retail purchase.

What this Warranty Does Not Cover
The warranty does not cover defects or malfunction caused by misuse, abuse or improper maintenance, failure to follow operating instructions or use with equipment with which it is not intended to be used. Also, the warranty will not apply to damage caused by unauthorized alteration, modification or repair of the product. does not warrant or provide service or support for any third-party products, including, but not limited to iPhones and Android Phones.

How to Obtain Warranty Service
To obtain warranty service for products purchased from a third-party, retail, or directly from Inkbird you must return the product with proof of purchase using the following procedures:

- Contact Customer Support for specific return and shipping instructions by email. Email Address: **support@ink.bird.com** You may be asked to complete a warranty service request form_ to help ensure warranty claims are for Inkbird products, our technical support department may also require you to email a copy of your purchase receipt to us.
- Label and ship the product freight prepaid, to the address provided by Inkbird.

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Documents / Resources

尺寸｜88x160mm 材质｜铜板	**Shenzhen Yingbojingkong Technology IHC-200-WIFI Humidity Controller** [pdf] User Manual IHC-200-WIFI, IHC200WIFI, 2AZDEIHC-200-WIFI, 2AZDEIHC200WIFI, IHC-200-WIFI Humidity Controller, Humidity Controller, Controller

References

- ⅀ **Bird.com**