

INKBIRD

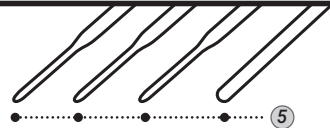
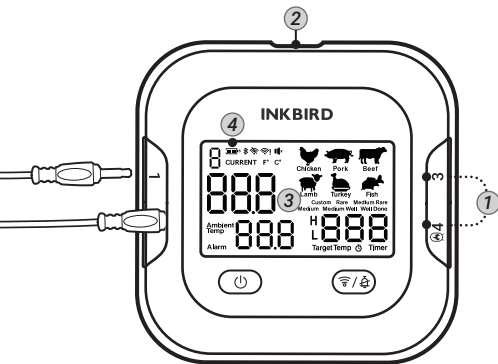
# Phoenix Smart Thermometer

User Manual

























# 01 Product Introduction



- ① Probe Sockets
- ② USB Type-C Charging Port
- ③ LCD Screen
- ④ Battery Level
- ⑤ Detected Temperature of Probe 1/2/3/4 (3 meat probes (1/2/3) and 1 ambient probe (4))



	Mute Mode
	Alarm Mode
	Wi-Fi is disabled.
 always on	The device has successfully connected to a Wi-Fi network.
	The device is connected to the router but cannot access the Internet.
 disappeared	The device hasn't connected to a Wi-Fi network.
 flashing slowly	The device is in AP mode.
 flashing quickly	The device is in SmartConfig mode.

	Initializing Wi-Fi or an error occurs.
 always on	Bluetooth connected.
 flashing	Bluetooth is requesting a match.
 disappeared	Bluetooth disconnected.
 always on	USB Power is connected.
	100% of Battery level
	80%~99% of Battery level
	60%~79% of Battery level
	40%~59% of Battery level

	20%~39% of Battery level
 flashing	0%~19% of Battery level
<b>H</b> flashing	Alarm warning that the current temperature is higher than the preset temperature
<b>L</b> flashing	Alarm warning that the current temperature is lower than the preset temperature
<b>-H-</b>	Probe temperature is higher than 300°C or 572°F.
<b>-L-</b>	Probe temperature is lower than -30°C or -22°F.
 flashing	Timer Alarm

## 1.2 Product Introduction

### 1.2.1 Power/Backlight Button


1. Press and hold the  button for 3 seconds to turn on/off the device.
2. Long press  for more than 10S to reset and restart.


### 1.2.2 Wi-Fi Connection/Bluetooth Connection/ Alarm Cancel Button


After the device is powered on, if it has been connected to Wi-Fi before, it will automatically reconnect.


1. When the Wi-Fi icon flashes, press and hold the  button for 3 seconds to

switch between AP mode and SmartConfig Mode for Wi-Fi connection. The Wi-Fi icon flashes slowly in AP mode and flashes quickly in SmartConfig mode.

2. When the Wi-Fi icon stays on, press and hold the  button for 3 seconds to reset the Wi-Fi connection.

3. When the Wi-Fi icon disappears on the screen, press the  button and hold for 3 seconds to enable the device's Wi-Fi function. By this time, the device is in SmartConfig mode, and the Wi-Fi icon flashes quickly.

4. When Bluetooth is pairing, press the  button to complete the pairing.

5. When the device is alarming, press the  button to cancel the alarm.



## 2.1 Free App Download

Please scan the QR code below or search '**BBQgo pro**' at Google Play or APP Store to download the application, then install it on your phone.





Please make sure that your phone meets the requirement below to install the app:

- Your iOS device must be running iOS 11 or later to download the app.
- Your Android device must be running Android 4.4 or later to download the app.

## 2.2 Bluetooth Connection & Wi-Fi Connection

This device supports Bluetooth connection and Wi-Fi connection. When you try to connect the device with your phone through the application, you can connect via Bluetooth as follow.

1. Click “Add device” on the app, select Bluetooth connection, then press the  button when the Bluetooth icon flashes on the screen.
2. Click “Add device” on the app, select Wi-Fi connection, then press the  button and hold for 3 seconds to let the Wi-Fi icon flash. After that, click Next step on the app to start connecting. The Wi-Fi icon will stop flashing and stays on if the connection is successful.

### Notes:

1. Please enable the location service function on your phone to allow the applica-

tion access to your location. If the application is not authorized, “Phoenix” is unable to connect with your phone.

2. Please place the device as close to your phone and the router as possible to start connecting.

## **2.2.1 Bluetooth Connection**

1. Turn on the device.
2. Open the application and click “Add device” to select “Phoenix”.
3. Choose to connect via Bluetooth, then click “Next Step” to search the device.
4. Click the  button on the device to connect the device with the application via Bluetooth.

### **Notes:**

1. If needed, please follow the steps on 2.2.2 to pair the device with your phone

via Wi-Fi.


2. If your phone is already connected to a network via Bluetooth or Wi-Fi, the device will connect automatically.

### **2.2.2 Wi-Fi Connection**

There are two ways to connect the device with your phone via Wi-Fi.


- SmartConfig Mode (Wi-Fi icon quickly flashes)
- AP Mode (Wi-Fi icon slowly flashes)

#### **Notes:**

1. Press the  button and hold for 3 seconds to switch between AP mode and SmartConfig mode.
2. Please sign up for an account before registering and pairing to monitor the device from your phone anytime, anywhere.


## ● Connection in SmartConfig Mode

1. Turn on the device.
2. Connect your phone to a 2.4GHz Wi-Fi network.
3. Open the app and click "Add device" to select "Phoenix".
4. Choose to connect via Wi-Fi.
5. Confirm that the Wi-Fi icon on the device flashes quickly, then select SmartConfig mode.

**Note:** If the Wi-Fi icon doesn't flash quickly, press the  button and hold for 3 seconds to reset Wi-Fi or change the Wi-Fi connection mode. It will take 5 seconds to implement this action.

6. Enter the Wi-Fi password on the app and click Next Step to continue.
7. When the connection is complete, the application will display "Match successful!" and the Wi-Fi icon will remain lit.

## ● Connection in AP Mode


1. Turn on the device.
2. Connect your phone to a 2.4GHz Wi-Fi network.
3. Open the app and click "Add device" to select "Phoenix".
4. Choose to connect via Wi-Fi.
5. Confirm that the Wi-Fi icon on the device flashes slowly, then select AP mode.  
**Note:** If the Wi-Fi icon doesn't flash slowly, press the  button and hold for 3 seconds to reset Wi-Fi or change the Wi-Fi connection mode. It will take 5 seconds to implement this action.
6. Enter the Wi-Fi password on the app and click Next Step to continue.
7. Enter your phone's WLAN setting page and select "SmartLife-xxxx" to connect.
8. Go back to the app and confirm to continue.

9. When the connection is complete, the application will display "Match successful!" and the Wi-Fi icon will remain lit.

**Notes:**

1. After connecting the phone to Wi-Fi, the device will connect to the cloud server. As long as the phone has Internet access (mobile data or any Wi-Fi), the user can remotely monitor the device and view the data anytime and anywhere through the App.

2. The device has the function of protecting Wi-Fi from misoperation. When the device is successfully connected to the user's mobile phone, the device will remember the Wi-Fi configuration information (Wi-Fi name and password) and connect automatically.

You can press the  button and hold for 3 seconds to reset the Wi-Fi network and configure a new Wi-Fi network. It will save the changes within 3 minutes. **The**

**device will reconnect to the previous Wi-Fi network in the following two cases:**

- 1) After 3 minutes of device connection failure, a new Wi-Fi network restarted.
- 2) After resetting, the device shuts down without Wi-Fi configuration.
3. Removing the device from the application will completely clear the network configuration information (Wi-Fi name and password), and the device will not reconnect to the Wi-Fi network in any previous case.
4. Please keep as close to the equipment as possible. When connecting to a wireless router using Wi-Fi, the signal becomes weak, and the connection fails if the device is far away.
5. Please keep as close to the equipment as possible. When connecting to your phone via Bluetooth, the signal becomes weak, and the connection fails if the device is far away.
6. If the device is placed on a metal table or near a metal object, the signal will be



weakened, and the device will not be able to connect to the network or your phone.

7. This device only supports 2.4GHz Wi-Fi networks, but it's also compatible with Wi-Fi 4, Wi-Fi 5, Wi-Fi 6, and Wi-Fi 6E routers only if they are enabled 2.4GHz Wi-Fi channels.

8. This device only supports WPA/WPA2 encryption. If the router is set to any other encryption method, the device will not be able to connect to the Wi-Fi network.

## 03 Specifications

### 3.1 Product Specs

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**Model:** Phoenix

**Size:** 88 \* 88 \* 33 mm

**Net Weight:** 145 G

**Screen Size:** 53 X 35mm

**Screen Type:** VA LCD

**Magnetic Class:** N30

**Battery Type:** Lithium-Ion Polymer  
Battery

**Battery Capacity:** 2500mah/ 9.25WH

**USB Type-C Input Voltage:** DC 5V

**USB Type-C Input Current:** Standard 1A

**Operating Temperature:** 0°C~55°C/32  
°F~131°F

**Temperature Unit:** °C/°F

**Temperature Calibration Range:** -7°C to  
+7°C/-12.6°F to +12.6°F

**Response Time:** 0.1 seconds (min)

**Temperature Refresh Rate:** 4Hz

**High/Low-Temperature Alarm:** the device and the application will alarm simultaneously

**Alarm Mode:** single trigger mode or repeated trigger mode.

**Alarm Interval:** alarm interval can be set in repeated trigger mode.

**Probe Connector:** jack 2.5mm mono plug 11mm

**Number Of Detection Channels:** 4

**System Requirements:** android 7.1 or later, iOS 11 or later

**Short-Time Temperature Measurement Range:** -30°C~+300°C/-22°F~+572°F

**Continuous Temperature Monitoring Range:** -20°C~+250°C/-4°F~+482°F

**Probe Temperature Resolution:** 0.1°F

**Probe Temperature Accuracy:**  $\pm 0.5^{\circ}\text{C}$  (maximum)  $+25^{\circ}\text{C}$  to  $+140^{\circ}\text{C}$

$\pm 1.0^{\circ}\text{C}$  (maximum)  $0^{\circ}\text{C}$  to  $+185^{\circ}\text{C}$ ;  $\pm 1.5^{\circ}\text{C}$  (maximum) from  $-10^{\circ}\text{C}$  to  $+250^{\circ}\text{C}$

$\pm 2.0^{\circ}\text{C}$  (maximum) from  $-20^{\circ}\text{C}$  to  $+300^{\circ}\text{C}$

## 3.2 Wireless Specs

**Bluetooth:** Bluetooth BLE5.0

**Bluetooth RF:** 2400-2483.5mhz

**Max. Output Power of Bluetooth:** +5dBm

**Wireless Network:** 2.4GHz IEEE

802.11b/g/ N (20MHz)

**Transmission:** 802.11b: CCK, DQPSK,  
DBPSK

802.11g: 64 QAM, 16 QAM, QPSK, BPSK

802.11n: BPSK, QPSK, 16-QAM, 64-qAM

Wi-Fi rf: 802.11b/g/ N  
(20 MHZ) : 2.412 ~ 2.480 GHz

**Number of Wi-Fi channels:**

1-14@2.4GHz (CH1-11 in US/Canada, CH1-13 in EU/China)

**Wi-Fi Data Rate:** 802.11b: 1, 2, 5.5,  
11Mbps

802.11g: 6, 9, 12, 18, 24, 36, 48,  
54Mbps

802.11 n: MCS0 ~ MCS7

**Wi-Fi Security:** WPA™/WPA2™

**Maximum Wi-Fi Output Power:**  
+20dbm

**Wi-Fi Maximum Gain:** 3dBi

## **4.1 Rechargeable Battery**

1. “Phoenix” adopts a 2500mAh/9.25Wh lithium battery.
2. When the battery level shows 0%, the device will automatically shut down. The alarm function can only be enabled when the battery level is above 1%.
3. The device can be used for up to 30 hours when four temperature probes are inserted and the phone is connected to a Wi-Fi network.
4. Turning on alarms and Wi-Fi will increase the power consumption of the device.
5. Probe temperatures can affect the power consumption of the device.
6. Turning off Wi-Fi can significantly reduce the power consumption of the device.

7. If Wi-Fi is off and Bluetooth is off and not connected, the device will be on standby for a long time.

8. Please use a standard USB TYPE-C 2.0/3.0 cable to charge the device.

9. Please charge the device with a 5V/1A rated USB adapter. At an ambient temperature of 23°C, the battery can be charged to at least 40% in 60 minutes, 75% in 120 minutes and 98% in 180 minutes.

10. Working Environment:

Discharge: -10°C~+60°C with the highest humidity 90%RH.

Optimal discharge temperature: +15°C~+25°C. The device can exert the highest performance of the lithium battery at this temperature.

Charging: 0°C~+45°C with the highest humidity 90%RH.

Optimal charging temperature: +20°C~+25°C. The battery can be charged to the maximum battery level in the shortest time at this temperature.

11. Battery life may be affected by using equipment in an environment with temperatures above 40°C or below 0°C.

12. Storage Environment: -20°C ~ + 45°C, 65% +/- 20% RH;

Ideal storage environment: 0°C ~ + 30°C, 65% +/- 10% RH.

13. Do not fully charge or fully discharge the device's battery - charge it to about 50%. If you discharge the device when the battery is fully charged, the battery may fall into a deep discharge state, which makes it unable to discharge continuously. Conversely, if the device is charged for a long time, the battery may lose some capacity, resulting in reduced battery life.

14. Do not use the device in extremely high/low-temperature environments.

15. Do not use the device in a high humidity environment; otherwise, the battery may be damaged.

## 4.2 Accessory

1. USB Cable: USB TYPE-C Charging Cable

Cable Length: 50cm (approx. 1.64ft)

2. Probe Length: 1.2m (approx. 3.937ft)

When the probe is inserted into the device, the device will be turned on and display an instant temperature reading.

Make sure the probe is inserted into the center of the food to get an accurate temperature reading.

3. Probe Clip: to fix the probe and hold it steady for more accurate readings



- ***What if your phone can't connect to Wi-Fi networks?***

1. Make sure that your phone is not connected to a 5GHz Wi-Fi network. This device only supports 2.4GHz Wi-Fi networks.
2. Make sure you enter the correct Wi-Fi account and password.
3. Enable your phone's location services to allow the app to access your location. If the app is unauthorized, the device cannot connect with your phone.
4. Put your phone as close to the device and router as possible.
5. The device power cannot be too low when configuring a Wi-Fi network.
6. Reset the device and router.
7. Press the button and hold for 3 seconds to reset Wi-Fi or change the Wi-Fi

connection mode if the Wi-Fi icon doesn't flash. It will take 5 seconds to implement the action. The Wi-Fi icon will flash quickly in SmartConfig mode and slowly in AP mode.

8. VPN and network proxy servers are not used during connection processing, as they may cause connection failure.

9. Check your router settings. The device may be blocked or blacklisted.

10. See 2.2 above for details.

- ***What if your phone can't connect to Wi-Fi networks?***

1. Yes, as long as your phone is connected to the Internet.

- ***Why can't I charge the device?***

1. Please use the included USB Type-C cable to charge the device.
2. Make sure the power supply works properly.

- ***Are these detection probes waterproof?***

1. Yes, but do NOT immerse the probe in liquid, as it may cause incorrect detection. The probe can be cleaned with water, but the probe jack should be kept dry.

Changes or modifications not expressly 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.

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

uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.



# INKBIRD TECH.C.L.

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V1.0



骑马钉 黑白印刷 尺寸: 125\*68mm