

INKBIRD



Bluetooth & Wi-Fi Smart BBQ Thermometer

IBT-26S 5G

U S E R M A N U A L



Warm tips

- To quickly jump to a specific chapter page, click on the relevant text on the contents page.
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01 Overview

This smart BBQ thermometer comes with six temperature probes to measure the temperature of multiple foods and the oven temperature simultaneously. It features Bluetooth and Wi-Fi capabilities that allow us to control and monitor grilling from a smartphone. With the help of its temperature alarms and several smart functions, we can always grill aromatic, juicy, and delicious meats.

02 Features & Specifications

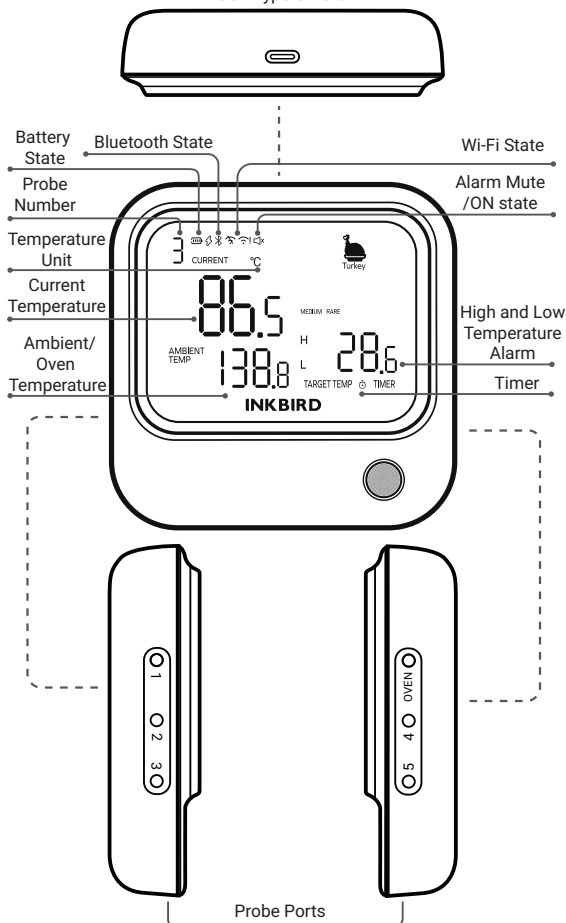
- Model Number: IBT-26S
- Product Dimensions: 88.80 X 87.20 X 23.00mm
- Product Net Weight: 139g
- Screen Size: 68.00 X 50.00mm (approx. 3.3 inches)
- Screen Type: Black-and-white LCD
- Screen Backlight: White
- Magnetic Suction Grade: N35
- Screen Brightness: Adjustable via app
- Battery Type: Li-Ion Polymer Battery
- Battery Capacity: 2500mah / 9.25Wh
- USB Type-C Input Voltage: DC 5V
- USB Type-C Input Current: 1A Standard
- Wi-Fi: IEEE 802.11a/b/g/n 2.4GHz & 5GHz (5 GHz for the advanced version)
- Bluetooth: Bluetooth BLE5.1
- Operating Temperature: -10°C~+55°C
- Temperature Units: °C/°F
- Temperature Calibration: -7°C~7°C/-12.6°F~12.6°F
- Temperature Response Time: (minimum) 0.1sec
- Temperature Refresh Rate: 4Hz
- High/Low Temperature Alarm: Get alerts from the device and app simultaneously
- Device Alarm Sound: Optionally mute the alarm or enable the alarm sound
- Alarm mode: Single-edge trigger mode or repeat

trigger mode.


















- Alarm Interval: Settable in repeat trigger mode
- Probe Connector: Jack 2.5mm mono plug 11mm
- Number of Probe Channels: 6.
- Probe short time measurement temperature range: -30°C~+300°C
- Probe Continuous Monitoring temperature range: -20°C~+250°C
- Probe Temperature resolution: 0.1°F
- Probe Temperature accuracy:
 - ±0.5°C (maximum) form +25°C ~ +140°C
 - ±1.0°C (maximum) form 0°C~ +185°C
 - ±1.5°C (maximum) from -10°C~ +250°C
 - ±2.0°C (maximum) from -20°C~ +300°C
- Probe Color Label: By the app
- Temperature Graph: Depends on applications and cloud servers.
- App OS Requirement: Android 7.1 or later; iOS 11 or later




03 Product Introduction

USB Type-C Port



• Display Icon Reference

	Alarm Mute.
	Alarm sound ON.
	Wi-Fi is disabled.
 always on	Wi-Fi is connected to the router and can access the network.
	Wi-Fi is connected to the router but cannot access the network.
 disappeared	Wi-Fi is paired with the network but cannot connect to the wireless router.
 Slowly flash	Wi-Fi has entered the AP network configuration mode.
 Fast flash	Wi-Fi has entered the Smart-Config network configuration mode.
	Wi-Fi is initializing or has an error.
 always on	Bluetooth connected.
 flash	Bluetooth is waiting for pairing.
 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.
 flash	0%~19% of Battery level.
H flash	Current temperature over Preset temperature alarm warning.
L flash	Current temperature below Preset temperature alarm warning.
-H-	The probe temperature exceeds 300°C or 572°F.
-L-	The probe temperature is below -30°C or -22°F.
 flash	Timer alarming

• Power Button Instructions

Power On/Off: Press and hold the button for 3 seconds to turn the device on/off.

Wi-Fi Pairing:

(a) When the device's Wi-Fi is disabled, continuously press the button three times or more to enable Wi-Fi.

(b) When the device's Wi-Fi has paired with the network, continuously press the button three times or more to enter the network configuration state.

(c) When the device's Wi-Fi is in the network configuration state, continuously press the button three times or more to toggle between AP mode and SmartConfig mode.

Bluetooth Pairing: When you add the device via a Bluetooth connection and find the device, press the

button to complete the pairing.

Dismiss Alarm: When the temperature alarm is triggered, press the button to pause the alarm.

Force Restart: When the device fails, press and hold the button for more than 10 seconds to forcibly restart the device.

04 Wireless Connection

1.Download the INKBIRD App

Search the INKBIRD App from Google Play or App Store to get it for free, or you can scan the QR code below to download it directly.



Scan QR code to download
INKBIRD APP

Note:

1. Your iOS devices must be running iOS 11 or above to download the app smoothly.
2. Your Android devices must be running Android 7.1 or above to download the app smoothly.

• Registration

(a) Open the app, select your Country/Region, enter your email address, and a verification code will be sent to you.

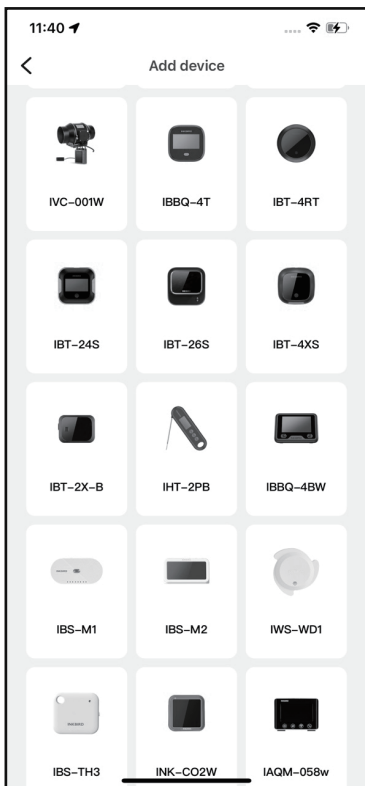
(b) Enter the verification code to confirm your identity, and the registration is complete.

(c) Registering an account is necessary before using the INKBIRD app for the first time.

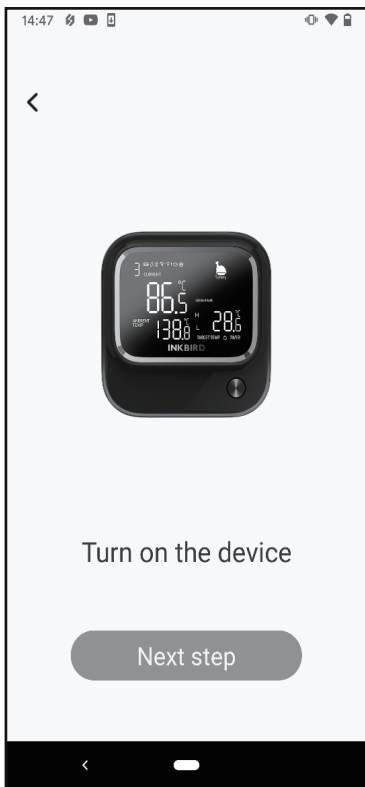
2. Bluetooth Pairing

Step1: Open the app and click “+” in the upper right corner to select IBT-26S to start the connection.

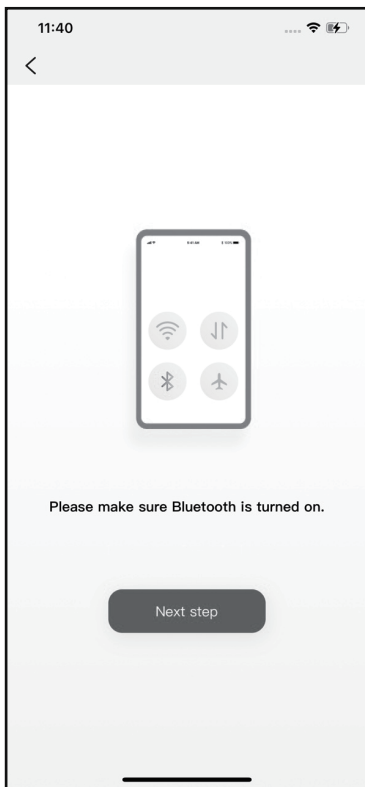




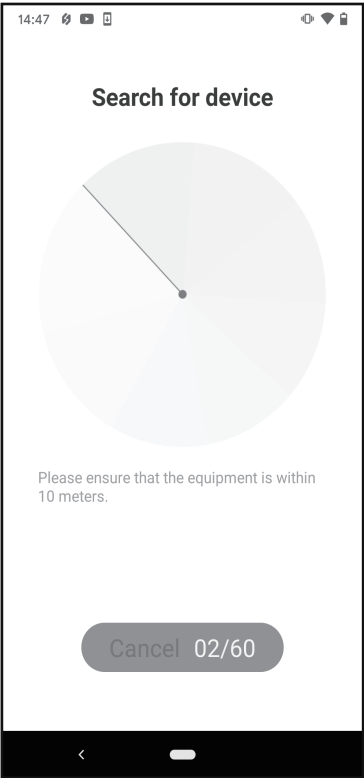
Step2: Turn on the device and click "NEXT STEP" to continue.



Step3: Make sure your smartphone has Bluetooth enabled, then click "NEXT STEP" to continue.



Step4: The app will automatically search for the device. Once the device is found, press the power button on the device to complete the pairing.



14:48

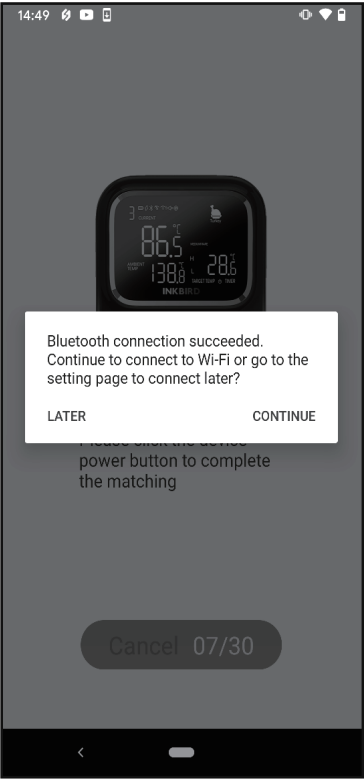


Please click the device
power button to complete
the matching

Cancel 04/30

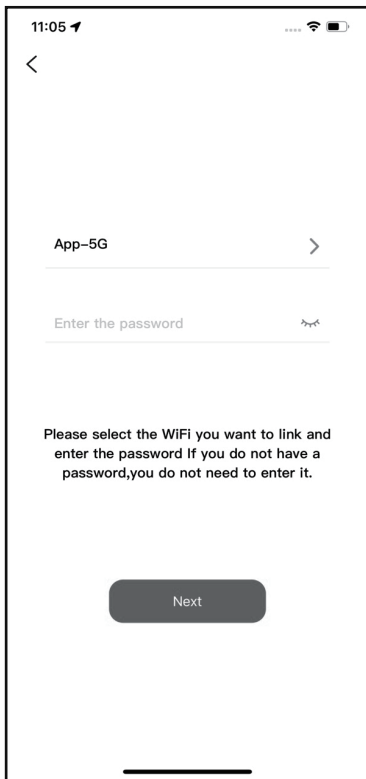


Step5: Select "Later" to complete Bluetooth pairing or click "Continue" to connect to Wi-Fi.



3.Wi-Fi Pairing

If you choose to continue connecting to Wi-Fi in step 5, enter the Wi-Fi network name and password, then click "Confirm" to complete Wi-Fi pairing. Note that the 2.4GHz version should choose a 2.4Ghz Wi-Fi network, and the 5GHz version should choose a 5Ghz Wi-Fi network.

A screenshot of a mobile application's Wi-Fi pairing screen. The screen has a white background with a black border. At the top, the status bar shows the time 11:05, a location arrow, and icons for cellular signal, Wi-Fi, and battery. Below the status bar is a back arrow icon. The main content area contains two input fields. The first field is labeled 'App-5G' and has a right-pointing chevron icon. The second field is labeled 'Enter the password' and has a right-pointing chevron icon with a small eye icon to its right. Below the input fields is a paragraph of text: 'Please select the WiFi you want to link and enter the password If you do not have a password,you do not need to enter it.' At the bottom of the screen is a dark gray rounded rectangular button with the text 'Next' in white. A horizontal line is visible at the very bottom of the screen, likely representing the home indicator bar.

14:49



Search for device



Please ensure that the equipment is within
10 meters.

Cancel 08/60



14:50



Search for device



Please ensure that the equipment is within
10 meters.

Cancel 25/60



Notes:

- (a) Location services on the smartphone must be turned on during connection. In addition, the app needs permission to access location information. Otherwise, you will not be able to establish a Bluetooth/Wi-Fi connection.
- (b) Keep the smartphone, device, and router as close together as possible to set up a connection.
- (c) It is also possible to monitor the device on your phone by only establishing a Bluetooth connection.
- (d) To connect the device to your smartphone via Wi-Fi, we recommend setting up a Bluetooth connection first.

05 Battery Precautions

This device comes with a rechargeable lithium battery with 2500mAh/9.5Wh.

1. When the battery level is at 0%, the device will automatically shut down. In this case, please charge the battery immediately. When the battery level is at 0%, the alarm function will be disabled.

2. In an environment of 23°C, after a Wi-Fi connection and no Bluetooth pairing, insert four temperature probes, adjust the brightness to the lowest level, and mute the alarm sound, the battery can last for about 32 hours.

- Increasing screen brightness, turning on alarm sound, and enabling Wi-Fi can reduce the battery life. Probe temperature can also affect the battery life.
- Disabling Wi-Fi and decreasing screen brightness can save battery power and significantly extend battery life.

- Bluetooth connection without Wi-Fi enabled allows for longer battery life.

- Disabling Wi-Fi and no Bluetooth pairing can achieve a super long battery life.

3. Use a standard USB Type-C 2.0/3.0 data cable to charge the device.

4. Use a 5V 1A USB power adaptor to charge the device. In an environment of 23°C, the battery can be charged up to 45% within 60 minutes, and up to 80% within 120 minutes.

5. Working Environment:

- Discharging: -10°C~60°C, with highest humidity 90%RH. The best discharge temperature is 15°C~25°C, and the battery has the highest working efficiency at this temperature.

- Charging: 0°C~45°C, with highest humidity 90%RH. The best charging temperature is 20°C~25°C, and at this temperature, the battery can be charged to the maximum capacity in the shortest time.

6. Using the device in an environment above 40°C or below 0°C may affect the battery life.

7. Temperature affects the chemical activity of the battery, so when using the device in an environment below 0°C, it is normal for the battery level to display incorrectly.

8. Normal storage environment: -20°C~45°C, 65% ±20%RH; Best storage environment: 0°C~30°C, 65%±10%RH.

- Storing the device with its battery out of power may lead to deep discharge status. In this case, it can no

longer be recharged. Conversely, storing the device with its battery fully charged may reduce battery capacity and shorten battery life.

- If you plan to store the device for more than six months, you should charge it to 50% battery capacity every six months and store it at a temperature between 0 °C and 30°C.

9.Do not use the device in a high-temperature or cold environment.

10.Do not use the device in an environment with high humidity, such as a bathroom, or in an environment where water may splash. It may cause battery damage.

06 Bluetooth/Wi-Fi Specs

Bluetooth	Bluetooth Version	BLE 5.1
	Radio Frequency	2400-2483.5MHz
	Maximum Output Power	+4dBm
WIFI	Wi-Fi Standard	802.11a/ b/g/n 1x1 , 2.4G&5G
	Spreading	802.11b: CCK, DQPSK, DBPSK
		802.11a/g/n: BPSK, QPSK, 16-QAM, 64-QAM
		802.11n: BPSK, QPSK, 16-QAM, 64-QAM
	Radio Frequency	2.412-2.484GHz , 5.180-5.885GHz

WIFI	Number of Channels	1-14@2.4GHz (CH1-11 for US/CA, CH1-13 for EU/CN)
	Data Rate	802.11b: 1, 2, 5.5, 11Mbps
		802.11a/g: 6, 9, 12, 18, 24, 36, 48, 54Mbps
		802.11n: HT20 MCS0-7, HT40 MCS0-7
	Security	WEP/WPA/WPA2/WPA2 PSK (AES) WPA3
	Maximum output power	+17dbm@802.11b/g/n +15dbm@802.11a
	Maximum gain	2dBi@2.4G , 2.6dBi@5G

Notes:

1.After the Wi-Fi network is configured, the device will connect to the cloud server, as long as your smartphone can access networks (via mobile data or any Wi-Fi network), you can remotely control the device and monitor data through the App anytime, anywhere.

2.During the Wi-Fi configuration state, if the Wi-Fi network cannot be paired within 10 minutes, the device's Wi-Fi will be automatically turned off to reduce power consumption.

3.There is a protection function for the misoperation of the device's Wi-Fi. After the device is successfully paired with a Wi-Fi network, you can press the power button three times to reset the device and let it enter the network configuration state. If the device is not paired with a new network within three minutes, the device will automatically restore the Wi-Fi network that was paired before the

reset. After a Wi-Fi reset, if the device shuts down in the middle, once it restarts, it will also automatically restore the Wi-Fi network that was paired before the reset.

If you want to remove the network configuration information, you can remove it through the App, so the device will not restore and reconnect to the Wi-Fi network that was paired before the reset.

4. When using the Wi-Fi function, keep the device as close as possible to the router. The Wi-Fi signal will be too weak to establish a connection if the distance between the device and the router is too long or obtained by a wall.

5. When using the Bluetooth function, keep the device as close as possible to your smartphone. The Bluetooth signal will be too weak to establish a connection if the distance between the device and the router is too long or obtained by a wall.

6. When using a wireless connection, placing the device on a metal table or sticking it to a metal object will make the wireless signal too weak to establish the connection.

7. When using a wireless connection, keep the device away from any metal object and better stand it in a place 1 meter over the ground.

8. The security encryption method only supports WEP/WPA/WPA2/WPA2 PSK (AES) WPA3. If the router has another way of security encryption set up, the device will not be able to connect to Wi-Fi.

10. Check on FAQs in the manual or contact us via email if you fail to establish a connection. When emailing us, please describe your problem in detail, including the country or region of residence, your device model,

purchase time, phone model, phone OS version, app version, device virtual ID, and screenshots/videos (if you have any). The more information we have, the faster we can help you solve your problem.

07 Product Accessories



USB 2.0 Type-A to USB 2.0 Type-C charge cable, Type-C plug Connect to the device.

Length: 80cm (about 2.62ft)



Probes

Probe cable length: 1.2m (about 3.937ft)

- Insert Probes into the device when the power is turned on, then the device will display reading of the instant temperature.
- Please make sure probes are inserted into the center of the food to get accurate temperature readings.



Probe Clamps

To fix temperature probes for more accurate detection.

08 FAQs

Q: Why it is failed to connect to Wi-Fi network?

A:

(e) When the Wi-Fi icon on the device screen is flashing, it means the device is in network configuration. You can press and hold the power button for 3 seconds to enter the network configuration and then press and hold it for 3 seconds again to switch between AP mode (slow flashing) and SmartConfig mode (fast flashing).

(f) Confirm whether your device supports a 2.4GHz Wi-Fi network or a 5GHz Wi-Fi network, then turn on the relevant Wi-Fi frequency band of the router to connect.

(g) Make sure your Wi-Fi network name and password are correct. Mistyped spaces and punctuation will cause the Wi-Fi configuration to fail.

(h) Location services on the smartphone must be turned on during connection. In addition, the app needs permission to access location information. Otherwise, the Wi-Fi connection will fail.

(i) Keep the smartphone, device, and router as close together as possible to set up a connection.

(k) Try connecting in another network configuration mode.

(l) Restart the device and router, then try again.

Q: Can I access the current temperature from anywhere in the world thanks to Wi-Fi as long as I have an internet connection?

A: Yes, as long as your phone has access to the Internet, that's fine.

Q: Why can't I charge the device?

A:

(a) Using a USB 2.0 Type-C charge cable.

(b) The device only supports standard USB charging. Fast charging is not available.

Q: Are these probes waterproof?

A: No. Please do not put the whole probe into liquid, it may lead to inaccurate readings. After submerging the entire probe in water, air dry it or put it into a 120°C degree oven for about half an hour. The probes can be washed with water, but all interfaces should be kept dry.

Q: Why cannot the device be turned on?

A: Press and hold the power button for more than 10 seconds to forcibly restart the device.

09 FCC Requirement

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.

10 Product Warranty

This item carries a 1-year warranty against defects in either components or workmanship. During this period, products that prove to be defective will, at the discretion of INKBIRD, be either repaired or replaced without charge.

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