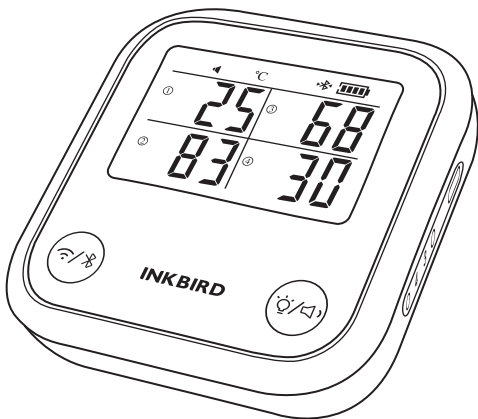# INKBIRD

User Guide

BLUETOOTH & WIFI
WIRELESS BBQ THERMOMETER

IDT-34E-BW

Warm tips

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

- You can also use the thumbnail or document outline in the top left corner to quickly find a specific page.

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Please keep this manual properly for reference. You can also scan the QR code below to visit our official website for product usage videos. For any usage issues, please feel free to contact us at **support@inkbird.com**.

Please read this instruction manual before use.

Please read this manual thoroughly before using the IDT-34E-BW. Use in violation of this manual may result in product damage, property damage, or personal injury.

• Reference Table for Minimum Internal Temperature of Food Safety（USDA Database）

Food	Type	Internal Temperature (°F)
Beef,bison,veal, goat. and lamb	Steaks, roasts, chops	145 Rest time: 3 minutes
	Ground meat and sausage	160
Cassoroles	Meat and meatless	165
Chicken,turkey, and other poultry	Alt: whole bird, breasts, legs. thighs, wings. ground poultry. giblets, sausage, and stuffing inside poultry	165
Eggs	Raw eggs	Cook until yolk and white are firm
	Egg dishes (such as tritata quiche)	160
	Casseroles (containing meat and poultry)	165
Hams	Raw ham	145 Rost time: 3 minutes
	Precooked ham (to reheat)	165 Note: Reheat cooked hams packaged in USDA-inspected plants to 140°F
	Amy type	165

| Food	Type	Internal Temperature (°F)
Pork	Steaks, roasts, chops	145 Rest time: 3 minutes
	Ground meat and sausage	160
Rabbit and venison	Wild or farm-raised	160
Seafood	Fish (whole or filet) such as saimon.tunatiapia.collock bass.cod,catfish, trout,etc	145 or cook until fiesh is no longer translcent and secarales easily with a fork
	Shrimp. lobster, crab, and scalops	Cook unti fiesh is pearly or white, and opaque
	Clams, oysters, mussels	Cook unti shelis open during cooking

INKBIRD IDT-34E-BW, an intelligent wireless BBQ thermometer with Bluetooth and WiFi dual modes, helps you accurately measure the internal temperature of the food when grilling or cooking, reducing the waste of energy and food resources and preventing foodborne diseases; no more worries about overcooking and undercooking. Insert the probe into the food, connect the thermometer to the phone App, and select your desired temperature and food doneness. When the cooking is completed, this intelligent thermometer will remind you that it is time to enjoy these delicious foods.

Model Number	IDT-34E-BW
Connection Methods	BLE 5.3 & WiFi 2.4G Dual Modes
Bluetooth Connection Distance	260ft/80m (without obstacles; for reference only）
WiFi Connection Distance	328ft/100m (the farthest barrier-free distance between the thermometer and the router）
Screen Type	HD Backlit LCD
Screen Size	57*36mm
Probe Number	4
Probe Sensor Type	NTC
Temperature Measurement Accuracy	±1℃/±1.8℉
Temperature Measurement Range	-30~300℃ /-22~572℉ （Short-Time Measurememt) -20~250℃/-4~482℉ （Continuous Monitoring）
Probe Cord Length	1.2m/3.9ft
Temperature Calibration Range	±7℃ （±12℉）
Temperature Refreshing Time	＜1s
Power Source	Built-in 2000mAh rechargeable battery
Dimension	89*87.2*23.5mm
Weight	145g
Package Contents	Thermometer*1 （IDT-34E-BW) Probes Probe Clamps Charging Cable*1 User Manual*1

• Product Appearance
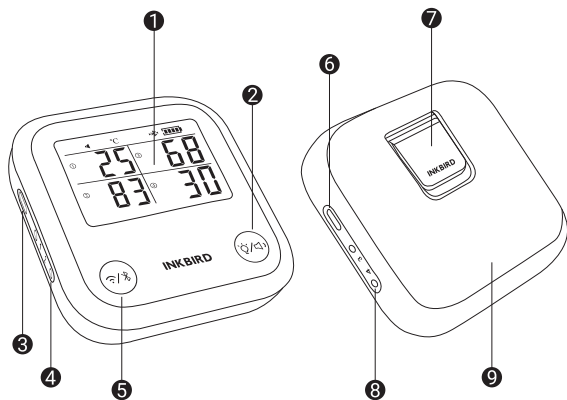
① HD Backlit LCD Screen

② Light/Volume Button

③ Power Button

④ ⑧ Probe Port (4 ports total on both sides)

⑤ Bluetooth & WiFi Change Button

⑥ Type-C Charging Port

⑦ Table Stand

⑨ Magnetic Back

Log	Temperature is being logged.
☀	Backlight is turned on.
◀×	Mute mode.
◀	Alarm mode.
📶 + ✳ flashes	WiFi is pairing with the network.
📶 remains on	WiFi is connected.
📶 remains on	WiFi connection failes.
📶!	WiFi is connected to the router but cannot access the network, or WiFi has an unknown error occurred.
📶 + 📶 flashes	WiFi is resetting.
📶 flashes and disappears	Disconnect after successful WIFI connection
✳ flashes	Bluetooth is pairing.
✳ remains on	Bluetooth is connected.
✳ disappears	Bluetooth connection is disconnected.
🔋	Device battery level.
🔋 flashes	The device battery is low, please charge it immediately.
℉ / ℃	Temperature unit currently displayed
H flashes	Remind you when the current temperature is detected to exceed the preset temperature.
L flashes	Remind you when the current temperature is detected to be lower than the preset temperature.
⏱	Set a timer.
⏱ flashes	Alarm when the timer reaches.
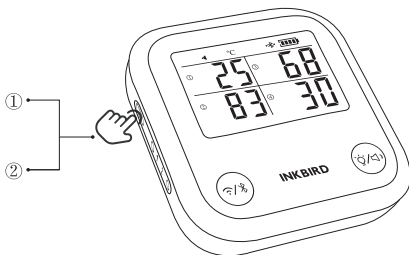
① Power ON/OFF: Press and hold the power button for 3 seconds to turn on/off the device.

② Force Restart (Reset): Press and hold the power button for 15 seconds to forcibly restart the device.
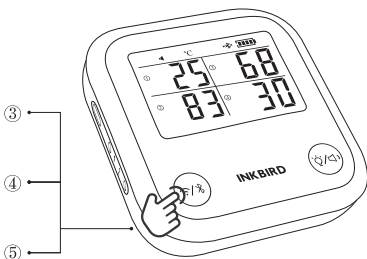
③ Connection Mode Change: Press and hold the mode button for 3 seconds to switch between Bluetooth connection and WiFi connection.

④ Bluetooth Connection: When Bluetooth asks to pair, tap the mode button once to complete the pairing and connect.

⑤ Reset WiFi: Press and hold the mode button for 15 seconds to reset the network pairing.
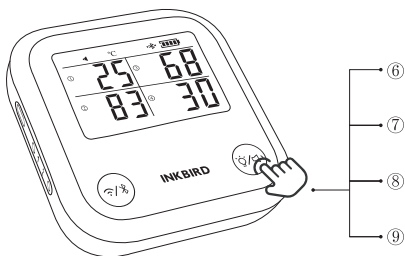
⑥ Change Brightness: Tap the Brightness/Volume button to adjust the screen brightness.

⑦ Volume Control: Press and hold the Brightness/Volume button for 3 seconds to turn on/off the device sound.

⑧ Cancel Alarm: When the temperature alarm is triggered, tap the volume button once to cancel the alarm.

⑨ Low Battery Reminder: When the low battery alarm is triggered, tap the volume button to cancel the alarm.

1. INKBIRD IDT-34E-BW has a built-in 2000mAh large-capacity lithium battery. In Bluetooth mode, the battery life with low power consumption can reach more than 200 hours

2. When the battery power is insufficient, please use the included USB charging cable to charge this product, and it will be fully charged within about 5 hours.

3. If users inevitably need to use another power cord to charge the device, please be sure to choose a power cable that supports 5V 1A and has a Type-C connector.

4. Do not use this product in extreme weather or a high-humidity environment. It may affect the battery life or cause battery damage.

5. If you intend not to use this product for an extended time, please charge the battery to about 50% of the capacity to prevent the battery from getting into a deep discharging state and causing charging failure. Also, please do not fully charge the battery before storing the device, as it may shorten the battery life or reduce its capacity.

Precautions For Use

• When the battery is low, the screen backlight and alarm sound may be out of commission, and temperature measurements may be inaccurate. Please charge it in time.

• Please understand that backlight and high-temperature measurements increase power consumption and affect battery life.

• Please do not use non-5V 1A charging cords to charge this device. It may cause product damage or charging failure.

• After turning on the device, if there is no probe inserted or no operation within 5 minutes, the device will automatically enter sleep mode.

• During use, please ensure that this product is not placed on a hot stove, working oven, or grill surface. Also, do not place this product in an oven or grill, as this may cause product damage or even personal injury.

Before using your Bluetooth&WiFi smart thermometer IDT-34E-BW, please ensure that you have read the important safety information in this manual.

1. When cleaning the stainless steel temperature probe included in the product packaging, please be careful not to immerse the probe or wire in water or use aggressive cleaners as the probe may be damaged.
2. Prepare a smartphone running iOS 12.0 (or higher) or Android 7.1 (or higher), download the INKBIRD APP, and complete the connection. (Please refer to section 7. APP Installation & Connection in this Manual)
3. Insert the cleaned probe into the probe channels of the thermometer in sequence, and the screen will display the real-time temperatures corresponding to the probes.
4. Place the product flatwise or unfold the stand on its back, choose any height you desired.
5. Open the APP and set the parameters for the food to cook.
6. Insert the probe into the center of the meat, avoiding bones or cartilage. Be careful not to twist the probe wire, and keep the probe away from flames during cooking. You can use a probe clamp to secure the probe during cooking for stable and reliable measurements.
7. If you will be using an oven, place the thermometer on a non-metallic and non-heated flat surface outside the oven and leave enough slack for the probe wire to prevent the probe from leaving the food during the closing of the oven door or from being connected loosely to the thermometer.
8. When the internal temperature of the food reaches the set temperature, the thermometer will sound an alarm, and the APP will also send an alarm notification. To stop the alarm, you can press the volume button on the thermometer once or operate the APP to stop it. If you do not perform any operation, the alarm will not stop.

Note: After cooking, do not touch hot probes or wires immediately, and wear enough heat-insulating gloves or tools if necessary to prevent burns.

7.1 INKBIRD APP

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

Note:

1. Your iOS devices must be running iOS 12.0 or above to download the app smoothly.

2. Your android devices must be running android 7.1 or above to download the app smoothly.

3. The device supports a 2.4GHz Wi-Fi router only.

4. APP Location Permission Requirement: We need to obtain your location information to discover and add nearby devices. INKBIRD promises to keep your location information strictly confidential. And your location information will only be used for the location function of the App and will not be collected, used, or disclosed to any third party. Your privacy is very important to us. We will abide by relevant laws and regulations and take reasonable security measures to protect your information security.

Step1: Registering an account is necessary before using the INKBIRD app for the first time.

Step2: Open the app, select your Country/Region, and a verification code will be sent to you.

Step3: Enter the verification code to confirm your identity, and the registration is complete.

7.3 How to Connect

Open the INKBIRD app and click "+" on the top right corner to find this product. Then, follow the app instructions to complete the connection. Be careful to put the device as close as possible to the smartphone and router during the connection process.
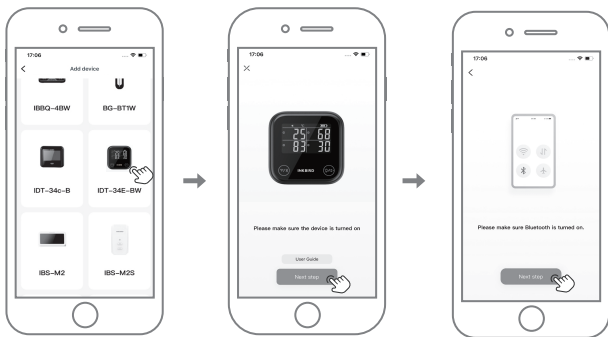
Add a device   Next step   Next step

Press the panel to
complete the pairing

Click Continue

Connect to WiFi and
enter the password

The device is pairing

The pairing is complete

① Pleaser store the thermometer and probes in a cool, dry place and keep children away.

② If you intend not to use this product for an extended time, please keep the battery capacity at about 50% before storage to prevent the battery from getting into a deep discharging state and causing charging failure.

③ After use, clean with non-corrosive detergents. Do not immerse the thermometer or probe in water or clean it with a dishwasher. Rinse under running water, wipe dry, and store in a cool, dry place.

④ Please do not store this product in an environment with direct sunlight, high-temperature, or below 0℃, as it may cause product damage, property damage, or personal injury.

⑤ If necessary, use a slightly wet cloth to clean the thermometer to prevent water from entering the probe channel.

09 *Important Notes/Warnings*

① Keep this product out of the reach of children to prevent them from being injured by the sharp probe tip.

② This product is not suitable for microwave ovens and pressure cookers.

③ During/After cooking, do not touch hot probes or wires with bare hands immediately, and wear enough heat-insulating gloves or tools if necessary to prevent burns.

④ Do not expose this product to direct sunlight, fire, or heat sources, such as placing or sticking it on a hot stove, oven, or grill surface, or placing it in the oven or grill.

⑤ Do not expose the probe directly to fire or burning wood charcoal, or use it in an environment exceeding -22~572℉, as it may cause damage to probes and probe wires.

⑥ When cleaning probes, do not immerse them in water, put them in a dishwasher, or use corrosive detergents. Rinse them under running water and wipe them dry before storing them.

⑦ The thermometer is not waterproof. Please do not use it in any high-humidity environments like bathrooms and gardens.

⑧ Do not disassemble or replace the built-in battery by yourself. If you plan not to use this product for a long time, keep the battery level at around 50%.

⑨ This product is specially designed for grilling and cooking. Any other usage is not recommended.

10 *Troubleshooting Guide*

Issues	Possible Solutions
What if my device fails to connect to Bluetooth?	1. Make sure Bluetooth is enabled on your phone or tablet. 2. Check that your phone has location services enabled and the application has permission to use location. 3. Position your phone or tablet as close as possible to the thermometer, and we recommend keeping it away from metals or obstacles. 4. Ensure the device is disconnected from other smartphones, and close the Bluetooth feature on these phones. 5. Restart the device, open the app, and repeat the connection steps. 6. Turn off or disable Bluetooth on other devices within the connection range.
Incorrect Probe Measurements	1. Calibrate the probe temperature to what you think is correct on the App. 2. Check if the probe and probe wire is intact and not twisted. 3. Wipe the probe and wire, blow dry the thermometer with a hair dryer, and then see if it detects the temperature correctly. 4. Never immerse the probe in water during use or cleaning. 5. Check if the temperature has ever exceeded the measurement range of the probe.

Issues	Possible Solutions
What if the WiFi cannot be connected?	1. First, connect the device to your smartphone via Bluetooth, assist WiFi pairing, and follow the app instructions to quickly build up a connection. 2. Please ensure that the WiFi you are connected to is 2.4G, not 5G, as this device supports 2.4G only. 3. Please enable the location service on your mobile device, and allow the INKBIRD App to obtain your location. Otherwise, the app cannot connect the device to your smartphone. 4. Please ensure that you enter the correct WiFi account and password. 5. During the connection, keep the device, router, and smartphone as close to together as possible. 6. Please do not place this device on a metal surface or bring it close to metal objects and at a height of more than 1m from the ground. Otherwise, the network signal will be weakened, or even unable to connect. 7. During the connection, the use of VPNs and web proxy servers should be prohibited, as they may cause connection failure. 8. Please try to restart this device and the WiFi router, or long-press the mode button for 15 seconds to reset WiFi. 9. Please check the router setting and see whether the device is blocked or blacklisted. 10. If you don't operate for connection for 10 minutes in WiFi mode, the device will automatically change to Bluetooth mode to save power.
What does it mean when my device displays the "📶!" symbol in WiFi mode? And what should I do about it?	It may be that the device is connected to the router but cannot access the network or that the device has an unknown error occurred. 1. You can check whether the router the device is connected to blocks this device. 2. You can try to reset the device or router. 3. Try to forcibly reset this device (referring to the button operation section).
Why cannot charge the device?	1. Please charge this device with the included charging cable. 2. If it is necessary to use another charging cable, choose a 5V 1A Type-C charging cable. 3. This device does not support fast charging.

If the troubleshooting guide above still does not solve your problems, please get in touch with our customer service or refer to Section 12 Customer Service.

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 device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2)This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

1)L'appareil ne doit pas produire de brouillage;

2)L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 andcompliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure andcompliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 etla conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne surl'exposition et la conformité de rf.

13 *Customer Service*

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. For any problems in use, please feel free to contact us at support@inkbird.com. We will do our best to help you.

INKBIRD TECH.C.L.

support@inkbird.com

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Office address: Room 1803, Guowei Building, NO.68 Guowei Road, Xianhu Community, Liantang, Luohu District, Shenzhen, China

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