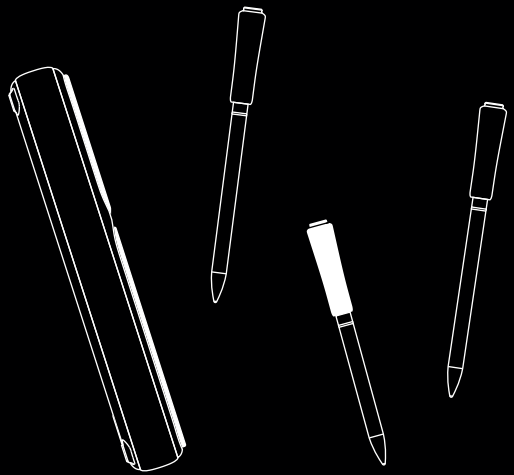

INKBIRD

DUAL MODE WIRELESS BBQ THERMOMETER

The intelligent barbecue thermometer comes with two standard probes and one mini probe, which can be used with various types of food and cookware to meet different cooking needs.

USER MANUAL INT-33-BW

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**.

Wenn Sie eine Bedienungsanleitung in deutscher Sprache benötigen, scannen Sie bitte den QR-Code und besuchen Sie unsere Website, um sie zu erhalten und ein Video über die Verwendung des Produkts zu sehen.

Se avete bisogno di un manuale di istruzioni in italiano, scansionate il codice QR e visitate il nostro sito web per ottenerlo e vedere un video su come utilizzare il prodotto.

QR e visitate il nostro sito web per ottenerlo e vedere un video su come utilizzare il prodotto.

Si vous avez besoin d'un mode d'emploi en français, veuillez scanner le code QR pour visiter notre site officiel afin d'obtenir et de visionner la vidéo d'utilisation du produit !

Als je een Nederlandstalige handleiding nodig hebt, scan dan de QR-code om naar onze officiële website te gaan en bekijk de video over het gebruik van het product!

Si necesita el manual de instrucciones en español, escanee el código QR para ir a nuestro sitio web oficial y ver el vídeo sobre cómo utilizar el producto.

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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01 Overview

The INKBIRD INT-33-BW has been specially designed for barbecue enthusiasts who pay close attention to detailed and seek precision. It comes with two standard probes and one mini probe, which can be used with various types of food and cookware to meet different cooking needs. It supports dual-mode smart connection via Bluetooth and Wi-Fi, with automatic network recognition for a stable connection. Each probe is equipped with multiple high-precision sensors. The black probes can simultaneously monitor the surface and core temperatures of food and the cooking environment, while the white probe only monitors the food temperature. These features help you to easily take control of every temperature change in your dish, making grilling and cooking smarter every time.

02 Technical Specifications

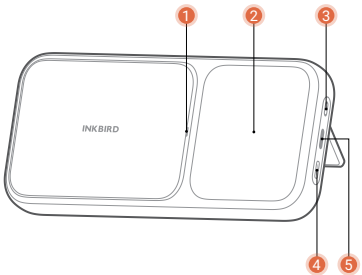
Brand	INKBIRD		
Model NO.	INT-33-BW		
Connection Mode	BLE	Version	BLE5.4
		Connection Distance	650ft/198m (The longest range in an unobstructed open area)
	WiFi	Band	WiFi 5GHz compatible with 2.4GHz
		Connection Distance	The distance between the device and the router should not exceed 328 ft (100 m). There is no distance limit between your smartphone and the device.

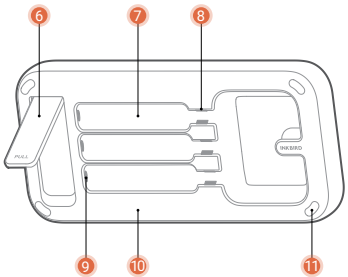
	Note: The distance between the probe and the base must not exceed 19.68ft/6m. If there are obstacles in between, the distance should be shortened to maintain a stable connection. (The base serves as a signal repeater.)	
Probe Protection Rate	IP67 (Dishwasher safe)	
Sensor Quantity	Black probe	5 sensors (4 high-precision food temperature sensors + 1 ambient temperature sensor)
	White probe	3 sensors (3 high-precision food temperature sensors, with no ambient temperature sensor)
Probe Measurement Accuracy	**Food sensor:** ±0.5°F/±0.3°C	
	Ambient sensor: ±9.0°F/±5.0°C	
Temperature Measurement Range	**Food temperature:** -10-100℃/14-212℉ (For safe use, the probe will alert you when the temperature reaches 96℃/205℉) **Ambient temperature:** 0-300℃/32-572℉	
Probe's Battery Life	25 hours of continuous cooking	
Probe's Charging Time	25 minutes	
Probe's Battery Voltage	3.8V	
Base's Battery Capacity	2600mAh lithium battery	

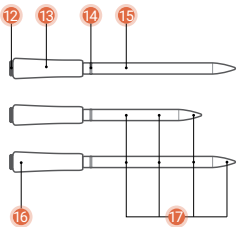
Base's Battery Voltage	3.7V
Base's Battery Life	It provides up to 75 hours of continuous use via a Bluetooth connection and up to 45 hours via a Wi-Fi connection.
Screen Type	Full-view HD LCD screen with backlight
Screen Size	42*48mm
Resolution	**Food temperature:** 0.1℃/℉
	Ambient temperature: 1℃/℉
Offline Data Storage	The base stores cooking data for the last 2 hours and automatically uploads it to your smartphone when connected.
Weight	258g
Size	169*80.5*25mm
Package Contents	Device (Base + Black Multi-sensor Probe*2 + White Multi-sensor Probe*1) USB-C Charging Cable User Manual Quick Start Guide + CTI Calibration Certificate

03 *Introduction of Product Appearance/Screen/Indicator Light*

- **Product Appearance**

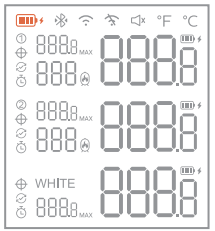
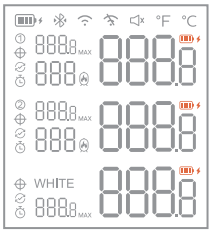






1. LED Indicator Light
2. Full-view HD LCD with Backlight
3. Power Button
4. Type-C Charging Port
5. Function Button
6. Foldable Stand
7. Probe Charging Position
8. Charging Electrode Plate
9. Charging Contact Point
10. Built-in Magnet
11. Anti-slip Pads
12. Charging Contact Point
13. Zirconia Ceramic Handle
14. Safe Cooking Line
15. Food-grade Stainless Steel
16. Ambient Temperature Sensor (MAX 572℉/300℃)
17. Food Temperature Sensor (MAX 212℉/100℃)

Screen Instructions

Battery Icon					
Big	Current battery level.		Small	Current probe's battery.	
Big	The device is charging.		Small	The probe is charging.	
Big	When flashing, the device's battery is low.		Small	When flashing, the probe's battery is low.	

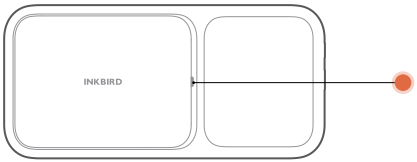
Connection Icon			
Flashing	The device's Bluetooth pairing is in progress.	Flashing	The device's WiFi is pairing with the network.
Stay lit	The device's Bluetooth has been connected.	Stay lit	The device's WiFi has been connected.
Disappeared	The device is not connected or is disconnected from Bluetooth.	Disappeared	The device is disconnected.
Stay lit	The WiFi connection fails.	Stay lit	The probe is connected.

Dim	The probe is not successfully paired/disconnected.	Flashing	The probe is in the connecting/pairing process.
Sound & Temperature Unit & Timer			
	The device's buzzer is turned on.		The device's buzzer is turned off.
°F °C	Temperature unit on the device.	Flashing	The timer is reached.
	Lights up when the timer is set; disappears when the timer is not set.		
Temperature Icon & Number			
① ② WHITE	Corresponding probe temperatures.	Lights up	The preset temperature (Press the FUNCTION button to switch the display).
MAX	The highest temperature detected by the food sensor.		The ambient temperature currently detected.
Number flashing	The current temperature has reached the preset temperature.	-H-	The current temperature is outside the temperature range of the probe.
-L-	The current temperature is below the temperature range of the probe.		

Indicator Light Definition

Base Charging

When the base is charging, the green light flashes at the respiratory rate and remains lit when fully charged.



Battery Level

1) When the battery level is lower than 29%, the yellow indicator light slowly flashes 3 times.

2) When the battery level is lower than 9%, the red indicator light stays on.

3) When the battery is about to run out, the red indicator light will flash and then the device will switch off.

Ambient Temperature Higher/Lower Than Preset Range

The yellow indicator light flashes until the alarm is manually dismissed or the temperature returns to the preset range.

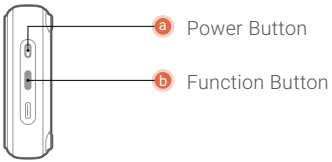
Base Overheat

The red indicator light flashes quickly when the temperature exceeds 55℃/131℉, the operating temperature of the base.

04 Key Definitions

a Power Button

- Press and hold for 3 seconds to switch the device on or off.
- Press and hold for 30 seconds to reset the device.



b Function Button

- Press and hold for 3 seconds to switch the buzzer on or off.
- During cooking, press the FUNCTION button to switch to the preset temperature display and it will return to the real-time temperature display in 2 seconds.

Cancel Alarms

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

Factory Reset

- Press and hold both the POWER and FUNCTION buttons simultaneously for more than 10 seconds, until the screen lights up again.

05 Battery Details & Maintenance

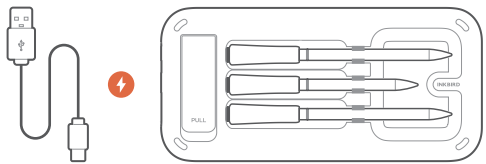
Battery Details

- A fully charged probe can continuously monitor food and ambient temperatures for 25 hours (prolonged exposure to high temperatures may reduce the battery endurance).
- The base has a built-in 2600mAh high-capacity battery. It can work continuously for 75 hours with a Bluetooth connection and 45 hours with a WiFi connection.

Battery Charging Steps & Methods

Probe

Place the probe that requires charging in the designated charging position on the base.



Base

1) Please use the provided charging cable to charge this device. It will take approximately 3 hours to fully charge.

2) While charging, the indicator light on the base will flash green at the breathing rate and remain lit once fully charged.

3) If you need to charge this device with a different cable, please ensure that the cable has a type-C interface and provides 5V 1-2A.

Use & Maintenance

(1) Do not use the probe in environments outside of the specified temperature range. If the temperature in the cooking environment exceeds 300℃ (572℉) or falls below -10℃ (14℉), it may reduce the probe battery life or damage the battery.

(2) When the probe's battery power is low, please clean and dry it before placing it back on the designated charging position on the base for charging. When the base's battery power is low, please use the provided cable to charge it. The LCD screen and indicator light on the base will display the charging status of both the base and the probe.

(3) Please note that the probes are waterproof, but the base is not. Do not use or store this product in harsh weather or high-humidity environments. Do not clean the base with running water or place it in a dishwasher or water sink, as this may cause water seepage and damage to the device.

(4) When you turn on the device and leave it unused for a long time, it will automatically enter sleep mode or shut down to conserve power. However, if you will not use the device within an extended period, please charge the battery to 50% capacity to prevent it from entering a deep discharge state. Do not fully charge the device before storing it, as this may shorten the battery lifespan.

(5) If the device's battery power is low, the measured temperature results may be inaccurate, the indicator and buzzer may be deactivated, or the device may be disconnected from the smartphone. Please charge it timely. However, do not use any Type-C cable that is not 5V 1-2A to charge the device, as this may cause damage to the product.

(6) During use, ensure that the base is not placed on a hot stove, working oven, or grill surface. Do not put it inside an oven or grill, as this could cause damage to the product or personal injury.

06 *APP Installation & Connection*

- **INKBIRD App**

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

Note:

(1) Your iOS devices must be running iOS 12.0 or later to download the app smoothly.

(2) Your android devices must be running android 7.1 or later to download the app smoothly.

(3) The INT-33-BW supports both 5Ghz and 2.4Ghz WiFi networks.

(4) Ensure that the app has been granted permission to access the phone's location. (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.)

- **Registration**

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.

- **How To Connect**

(1) Make sure that both Bluetooth and WiFi functions are enabled on your smartphone and turn on the device.

(2) Open the INKBIRD APP. Allow the app to obtain location information, click " **+** " in the upper right corner to find this product, then follow the app instructions to complete the connection.

(3) During the connection process, place the device as close as possible to your smartphone and router. Additionally, when in use, ensure that all probes remain within 6 meters (19.68 feet) of the base.

07 *Cleaning and Maintenance*

(1) Please note that the probes are waterproof but the base is not. After use, clean the probes under running water or in the dishwasher. Do not use cleaning agents containing alcohol, ammonium, benzene or abrasives as these may damage the device.

(2) After cooking, do not place the probes directly in cold water to cool for a long time. Ensure that the probes have cooled to room temperature before cleaning.
(3) After cleaning the probes, wait for them to dry before placing them back on the charging positions on the base to avoid device damage caused by rusty electrode plates or water seepage.

(4) Please note that the base is not waterproof. Do not rinse or submerge it with water. If necessary, use a slightly damp cloth to wipe the base and prevent water from seeping and causing damage to the product.

(5) For storage, please place the probes inside the charging base and store the entire unit in a shady and cool place away from children. Improper storage can result in property damage or personal injury.

08 *Important Notes/Warnings*

(1) The probes are previously paired with the base at the factory. After starting up, take out a probe, the corresponding area will display the detected temperature of the probe and the icon . Set a menu for the probe on the app and then the probe can be used.

(2) This product is not suitable for use in microwave ovens or pressure cookers. When using the probe, make sure that it is inserted in the center of the food and that the depth of insertion is beyond the safe cooking line and that any bones are avoided.

(3) The base can serve as a Bluetooth signal repeater. Place the base as close to the probes as possible. If this is not feasible, make sure that the distance between the base and the probes is no more than 6 to 8 meters and that there are no metal or any other obstacles in between. If there are obstacles between the base and probes, the distance should be shortened for a stable connection.

(4) Do not use the probes where the temperature exceeds 212℉/100℃, the highest threshold of the internal sensor, or 527℉/300℃, the highest threshold of the ambient sensor. Temperatures above these two maximum points may damage the probes.

(5) Do not expose the probe directly to fire or burning wood charcoals. If the probe falls into the fire, please immediately stop heating and wait for it to cool down before removing it. Prolonged exposure to high temperatures can damage the probe.

(6) When using, make sure that the base stays away from fire and heat sources. Do not expose it to direct sunlight, nor place or magnetically attach it to the surface of an oven or grill. And, do not put the base inside the oven or grill.

(7) After cooking, do not immediately touch the hot probe. Wait for it to cool down. If necessary, use a heat-resistant tool to avoid burns.

(8) This product is designed specifically for grilling and cooking. It is not recommended for any other purposes.

09 Troubleshooting Guide

Issues	Solutions
What if my device cannot connect to Bluetooth?	**(1)** Make sure that the Bluetooth function is enabled on your smartphone or tablet, that the device battery is fully charged, and that the device model number is correct. **(2)** Make sure that the phone positioning function is enabled and that the APP is allowed to obtain your location information. Without permission, the app cannot establish a connection between the device and your smartphone. **(3)** Keep the device away from metal or obstacles. Place your smartphone or tablet as close to the base as possible. And, make sure the distance between the probe and the base is no more than 6 meters (19.68 feet). **(4)** Try to restart the device, and turn off any other Bluetooth devices within the connection range or disable their Bluetooth functions. **(5)** If you have paired the device with your smartphone before, remove the device, search for it again and pair it again.
What if my device cannot connect to WiFi?	**(1)** Make sure that your smartphone has Bluetooth and WiFi enabled. Firstly, connect the device to your smartphone via Bluetooth. Then, follow the instructions in the app to set up a Wi-Fi connection. **(2)** Make sure that you have entered the correct WiFi account name and password and that the WiFi network is stable. **(3)** During the connection process, please keep the device, router and smartphone as close to each other as possible. **(4)** Do not place the device on metal surfaces or near metal objects. Leave it at least 1 meter above the ground. **(5)** During the connection process, any VPN or agent proxy servers should be forbidden, otherwise the connection will fail.

	(6) Try to reboot both the device and router. If the device has connected to WiFi before, you can go to the setting page of the app to reset WiFi. **(7)** Press and hold the POWER button for 30 seconds to force reset the device. **(8)** Please verify if the router is blocking or blacklisting the device. **Note:** If your problem persists, please contact our customer service.
Why is my temperature probe reading incorrectly or not reading?	**(1)** You can calibrate each sensor to the correct temperature using the app. The food sensor calibration range is ±10℃/±18℉; the ambient sensor calibration range is ±36℉/±20℃ (Note: The white probe only has 3 food sensors, no ambient sensor included). **(2)** Please check if the current temperature just exceeded the specified temperature range or has exceeded before, which may cause damage to the probe. **(3)** Check on the corresponding probe area on the base's screen. If the probe is disconnected, please wait for it to reconnect automatically, or reboot the device and wait for the probe to connect. **(4)** Do not immerse the probes in water for long periods as this may cause damage. **(5)** If your probe is damaged and needs a replacement, you can select the corresponding probe number on the app and enter the setting page to delete it and pair the new one.
Why can't the probe be charged?	**(1)** The probes can only be charged at the base. To recharge, ensure that they are fully placed on the charging position and successfully connected to the contact points. **(2)** Please check if there are any oil stains covering the contact points and probe tops, as this can cause charging failure. **(3)** Please check if the base's battery power is low and has entered battery protection mode, which cause charging failure.

Why can't the base be charged?	**(1)** Please use the provided charging cable to charge the base. If you need to use a different cable, please choose a type-c cable with 5V 1-2A. **(2)** This device does not support fast charging. In general, it can be fully charged in approximately 3 hours.

10 *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.

11 IC Warning

This device complies with Innovation, Science and Economic Development Canada's License exempt RSS standard(s). 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 of the device.

Cet appareil est conforme aux normes RSS d'Innovation, Sciences et Développement économique Canada en matière d'exemption de licence. Son fonctionnement est soumis aux deux conditions suivantes:

(1) l'appareil nedoit pas produire de brouillage, et
(2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Le présent appareil est conforme Après examen de ce matériel aux conformité ou aux limites d'intensité de champ RF, les utilisateurs peuvent sur l'exposition aux radiofréquences et compliance d'acquérir les informations correspondantes. La distance minimale du corps à utiliser le dispositif est de 20cm.

<table>
<tr><th colspan="5">WIRELESS BBQ THERMOMETER</th></tr>
<tr><td rowspan="3">Model NO.: INT-33-BW</td><td rowspan="3">Wireless Probe</td><td>FCC ID: 2AYZD-INT-33</td><td rowspan="3">Charging Base</td><td>FCC ID: 2AYZD-33-BW</td></tr>
<tr><td>IC: 30368-INT33</td><td>IC: 30368-33BW</td></tr>
<tr><td>HVIN: INT-33</td><td>HVIN: INT-33-BW</td></tr>
</table>

12 *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.

Shenzhen Inkbird Technology Co., Ltd.
support@inkbird.com

Consignor: Shenzhen Inkbird Technology Co., Ltd.
Office Address: Room 1803, Guowei Building, No.68 Guowei Road, Xianhu Community, Liantang, Luohu District, Shenzhen, China
Manufacturer: Shenzhen Inkbird Technology Co., Ltd.
Factory Address: 5th and 6th Floor, Building 138, No. 71, Yiqing Road, Xianhu Community, Liantang Street, Luohu District, Shenzhen, Guangdong, China

MADE IN CHINA
DESIGNED BY INKBIRD

V2.0