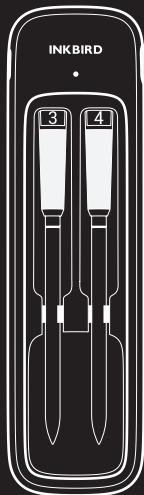
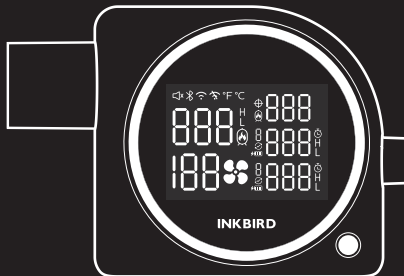


INKBIRD

SMOKER CONTROLLER

ISC-029-BW

USER MANUAL





Please keep this manual properly for reference. You can also scan the QR code 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.
- 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 ISC-029-BW is a smart smoker temperature controller. It automatically adjusts the fan speed based on the grill temperature and the set target temperature, helping you easily achieve ideal cooking results. The device is also equipped with wired and wireless temperature probes, reducing cable constraints and making operation more handy.

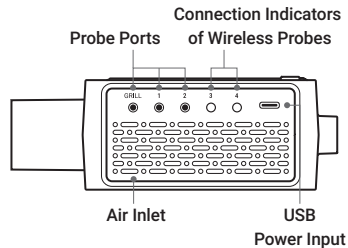
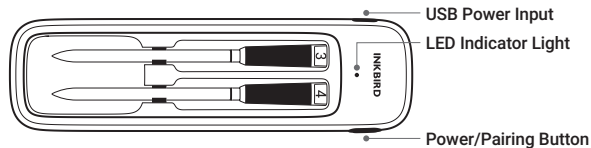
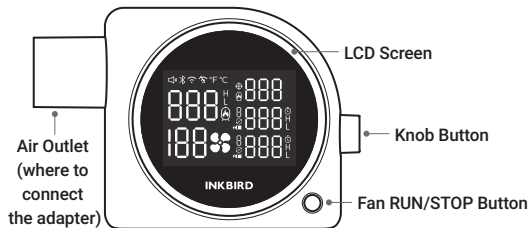
02 Technical Specifications

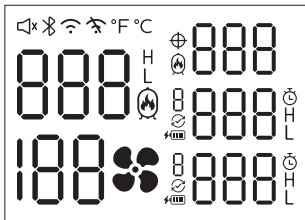
Smoker Controller	Input Voltage	USB Type-C, DC5V, 1000mA
	Connection Methods	Support Wi-Fi connection and Bluetooth connection
	Bluetooth	BLE5.0

Smoker Controller	Maximum Bluetooth Connection Distance	300ft (the distance will be shorter if there are interference).
	Wi-Fi Band	2.4GHz & 5GHz (Support IEEE 802.11b/g/n)
	Resolution	1°C/°F
	Calibration	±12°C/°F
Wireless Probes	Temperature Range	-10-100°C/14-212°F (For safety, the probe will alert at 96°C/205°F.)
	Temperature Accuracy	±0.3°C/0.5°F
	Battery Life	25h
	Charging Time	25 minutes
Wired Probes	Temperature Range	Short Time Measurement Range: 0°C~300°C (32°F~572°F)
		Continuous Monitoring Range: 0°C~250°C (32°F~482°F)

Wired Probes	Temperature Accuracy	±0.5°C/±0.9°F (maximum) form +25°C~+140°C (77°F~284°F)
		±1.0°C/±1.8°F (maximum) form 0°C~+185°C (32°F~365°F)
		±1.5°C/±2.7°F (maximum) from 0°C~+250°C (32°F~482°F)
		±2.0°C/±3.6°F (maximum) from 0°C~+300°C (32°F~572°F)
Thermometer charging case	Input Voltage	USB Type-C, DC5V, 1000mA
	Battery Capacity	3.7V, 250mAh, 0.925Wh
	Output	DC5V, 100mA
Warranty	1year	
Package Contents	Device: ISC-029-BW Smoker Controller*1; Grill Temperature Probe*1; Wired Meat Probes*2; Wireless Meat Probes*2; Wireless Probe Charging Base*1	
	Accessories: USB-C Charging Cable*1; Power Adapter*1; Smoker Air Duct Adapter*2; Grill Clamp*1; Air Duct Dust Plug*1; User Manual*1	

03 Product Introduction





● Screen Display Description

Device Connection Status Display			
	The device's buzzer is turned off.		The device's buzzer is turned on.
°F / °C	Temperature unit on the device.	 Remains on	The device's Bluetooth has been connected.

 Disappears	The device is disconnected from Bluetooth.	 Disappear	The device is disconnected.
 Flashing	The device's WiFi is pairing with the network.	 Remains on	The device's WiFi has been connected.
 Remains on	The WiFi connection fails.		
Probe Status Display			
		 Remains on	The wireless probe is connected successfully.
		 Flashing	The wireless probe is being connected.
	Meat probe number	 goes out	Wireless probe failed to pair/unconnected.

	Grill temperature		The preset temperature
H	High temperature reminder	L	Low temperature reminder
	Probe's current battery life.	 Flashing	The probe's battery is exhausted.
	The probe is charging.		The timer is reached.
Probe Digital Bit Display			
- - -	Unable to read probe temperature.	Digits Flashing	The preset temperature or target temperature has been reached.
HHH	The current temperature is outside the temperature range of the probe.	LLL	The current temperature is below the temperature range of the probe.

Fan Status Display			
 Stay still	Fan OFF	 Rotate	Fan ON
Fan Number	Fan speed		

● Indicator Light Description

ISC-029-BW Smoker controller	Wireless Probe Connection	The indicator light turns off when the wireless probe is not connected or pairing fails.
	Wireless Probe Battery Status	Once the wireless probe is connected, the indicator light displays its battery status. Green: The battery is sufficient. (10%+) Red: The battery is low. (0~9%)

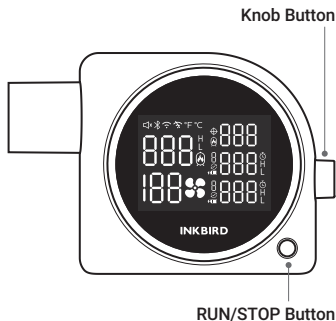
Wireless Probe Base	Power ON/OFF	Press and hold the button: A green light flashes for 2 seconds to power on, and a red light flashes for 2 seconds to power off.
	Battery Level	After powering on, press the button to check the battery level of the base. The indicator light will illuminate for 2 seconds and then dim. Green: The battery is sufficient. (10%+) Red: The battery is low. (0~9%)
		When the base battery is < 10%, the indicator light flashes red slowly until shutdown.
	Probe Return to Base	When the wireless probe is correctly placed in the charging base and begins charging, the base indicator light flashes green 3 times.
	Battery Charging	When the base is charging, the green light flashes at the breathing rate and remains lit when fully charged.

04 Operation Button Definitions

4.1 Knob Button

- Short press it to enter the setting of target grill temperature (where you can set the target temperature of the grill only).
- Press and hold for five seconds to enter the setting of parameters (where you can set the temperature unit or other options).
- In the setting mode, turn left or right to adjust the parameter, and then short press it to confirm.
- When using 3 or more meat probes, the temperature readings on the screen will rotate every 2 seconds. Rotating the knob button to a specific probe will fix the display on that probe's reading. When rotated to Probe 0, the readings will resume rotating.

NOTE: When you enter the setting mode and the target set value flashes, it means you can set it.



4.2 RUN/STOP Button

- Short press it to run or stop.
- Press and hold it for 5 seconds to reset the WiFi and pair with the network again.

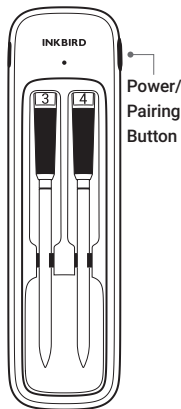
4.3 Power/Pairing Button

- Press and hold it for 3 seconds to power on or off.
- Short press the button after the base powers on, and the LED light will display the current base battery status. If you need to re-pair the probes, you can short press to activate pairing according to the APP instructions.

NOTE:

(1) When the device is not used for a long time, please power off the base. Once powered off, the base will stop charging the probes.

(2) The wireless probes enter pairing status by default from the factory, so no pairing operation is needed for the first use. When pairing, please ensure the base is powered on and place the probe to be paired into the charging dock.



05 Battery Details & Maintenance

5.1 Battery Details

- When the base battery is low, please use the included Type-C charging cable to charge the product. It takes about 1 hour to fully charge.
- The probe can be fully charged in 25 minutes and be used continuously for 25 hours. Continuous high temperatures will shorten the probe's battery life.
- When the device battery is too low, it may lead to incorrect temperature measurement results. Please charge the base and probe in time.

5.2 Precautions For Use

- Do not disassemble or replace the built-in battery of the charging base by yourself.
- Do not use the wireless probe in environments outside the temperature range. Using it when the cooking ambient temperature is above 300°C (572°F) or below -10°C (14°F) may lead to reduced probe battery life

or battery damage.

- 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 even personal injury.
- Please note that the wireless probe charging base is not waterproof. Do not use or place the product in extreme weather or high-humidity environments. Do not wash the base with running water or place it in dishwashers, sinks, etc., as this may cause water to enter the base and damage the battery.
- Do not use a non-5V 1A charging cable to charge the base, so as to avoid product damage or charging failure.

06 APP Installation & Connection



6.1 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 below 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. 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.

6.2 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.

6.3 WiFi Connection

Open the INKBIRD app and click “+” on the top right corner to add a device. 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.

07 Cleaning and Maintenance

1. Main Unit and Wireless Probe Base: Simply wipe the surface with a soft, dry cloth. Do not use alcohol, thinners, or corrosive cleaners to avoid damaging the casing or electronic components.

2. Wired Meat Probes & Oven Probes (with cables)

- **Probe Tip (Metal Part):** Can be wiped with a damp cloth or scrubbed gently with a neutral detergent. Ensure it is completely dry after wiping clean before storage.
- **Cable & Plug Interface:** Can only be wiped with a dry cloth and must not contact moisture, otherwise it may affect temperature measurement accuracy or cause a short circuit.

3. Wireless Meat Probe (Independent Probe)

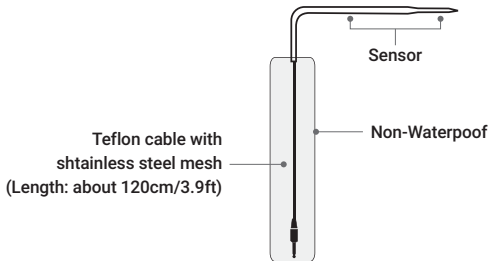
- Please note that the probe is waterproof but the base is not. After use, clean the probe under running water or in a dishwasher. Avoid using corrosive detergents as they can damage the probe.
- After cleaning the wireless probe, wait for it to dry before placing it back on the charging position on the base to avoid device damage caused by rusty electrode plates or water seepage.

4. Storage Suggestions

- When the wireless probes are not for used for a long time, please place them 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.
- Avoid exposing the probes to high temperature, high humidity, or direct sunlight for a long time.
- Before storage, please check whether all probes and ports are dry to avoid residual moisture causing oxidation.

08 Important Notes/Warnings

- The maximum short-term measurement temperature for wired probes (including grill probes) is 300°C/572°F, and the maximum long-term measurement temperature is 250°C/482°F. If the temperature exceeds the above limits, the probe tip and metal wires may be burned out.
- Do not submerge the wired probes or their metal wires in water, as this may lead to inaccurate measurements.
- Do not press the wired probes or their metal wires too hard as this may damage the plastic film on the wire and cause a short circuit.
- Please take off the silicon case before using the wired probe.



- The wireless probes and the smoker controller are pre-paired at the factory. After powering on, remove the probe, and the corresponding area on the screen will display the temperature measured by that probe and the "🔄" icon. Set up the menu for that probe on the APP to start using it.
- Do not use the probe in a microwave oven or pressure cooker. During use, make sure that the probe is inserted into the center of the food and make it deep enough to exceed the safe cooking line.
- Do not expose any probes or metal lead wires directly to flames or burning charcoal. If a probe falls out of the food, stop heating immediately, and take it out after it has cooled down.
- When using, make sure that the base stays away from fire and heat sources. Do not expose it to direct sunlight, nor place it to the surface of an oven or grill. And, do not put the base inside the oven or grill.
- During or at the end of cooking, please do not touch the overheated probe with bare hands. If necessary, wear heat-insulated gloves to avoid burns.
- The product is designed exclusively for use as a food thermometer. It is not recommended for any other purposes.

09 Troubleshooting Guide

Issues	Possible Solutions
Why Cannot Connect Bluetooth?	1. Make sure that your smartphone or tablet is running iOS12/Android 7.1 or later. 2. Please ensure that the Bluetooth function is enabled on your smartphone or tablet, that the positioning function is enabled and the application is allowed to obtain location information, and that the device has sufficient power. 3. Make sure that the distance between the probe and the controller is not more than 10 meters (32.8 feet). Place your smartphone or tablet as close to the thermometer as possible, avoiding any metal or obstructions. 4. Make sure that the controller is disconnected from any other smartphones and that the Bluetooth function is disabled on those smartphones. 5. Turn off any other Bluetooth devices or disable their Bluetooth functions within the connection range. NOTE: If your problem persists, please contact our customer service.

Why Cannot Connect WiFi?	1. Make sure that your smartphone has Bluetooth and WiFi enabled and connected to the device via Bluetooth. Then, follow the app's instructions to establish a WiFi connection. 2. Please ensure that you have entered the correct WiFi username 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. Please verify if the router is blocking or blacklisting the device. 8. After powering on the device, press and hold the RUN/STOP button to reset the WiFi. NOTE: If your problem persists, please contact our customer service.
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Why Is The Probe Reading Incorrectly?	1. Use the app to calibrate the temperature to where you think it is right. 2. Check if the current temperature exceeds or has once exceeded the probe measurement range, causing probe damage. 3. Do not immerse the probe in water for long periods. This product is only intended for use in food and is not recommended for any other purpose. 4. Check if the probe is disconnected. If so, wait for the probe to reconnect automatically, or restart the device and wait for the probe to reconnect. 5. If the probe has been damaged and requires replacement, please go to the settings page of the application to delete the probe and pair with a new one.
Why Cannot Charge The Wireless Probes?	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. Check that the probe or the charging plate at the base is not dirty or covered by oil stains. 3. Check that the probe has not been used previously at a temperature that exceeds its sustainable range. Purchase a replacement if necessary. 4. Check that the base does not enter the battery protection state due to low battery power, which causes failure to charge the probe.

Temperature Overshoot (Exceeding the Set Value)	1. Check probe position to ensure accurate readings. 2. If the material of the oven is relatively heat-insulating, it may cause the temperature to rise faster. At this time, please lower the target temperature to allow the residual heat from the grill to heat the temperature to the target temperature. 3. If the fire is relatively large, even if the ISC-029-BW is turned off, it may cause the temperature to continue to rise, so please be careful not to place too many coals. 4. Some grill models have an air intake at the top, it is possible for oxygen to enter through this. Please adjust the air inlet according to the temperature.
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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 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.

The device meets the exemption from the routine evaluation limits in issue 6 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

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

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:

L'appareil ne doit pas produire de brouillage;

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

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la numéro 6 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

SMOKER CONTROLLER WITH DUAL-MODE PROBES				
Model NO.: ISC-029-BW	Wireless Probe	FCC ID: ZAYZD-INT-33	Smoker Controller	FCC ID: ZAYZD-ISC027BW
		IC: 30368-INT33		IC: 30368-ISC027BW
		HVIN: INT-33		HVIN: ISC-029-BW

12 IMPORTANT SAFEGUARDS

1. Read all instructions.
2. Do not touch hot surfaces. Use handles or knobs.
3. To protect against electrical shock do not immerse cord, plugs in water or other liquid.
4. Close supervision is necessary when any appliance is used by or near children.

5. Unplug from outlet when not in use and before cleaning. Allow to cool before putting on or taking off parts.
6. Do not operate any appliance with a damaged cord or plug or after the appliance malfunctions or has been damaged in any manner. Return appliance to the nearest authorized service facility for examination, repair, or adjustment.
7. The use of accessory attachments not recommended by the appliance manufacturer may cause injuries.
8. Do not use outdoors.
9. Do not let cord hang over edge of table or counter, or touch hot surfaces.
10. Do not place on or near a hot gas or electric burner, or in a heated oven.
11. Extreme caution must be used when moving an appliance containing hot oil or other hot liquids.
12. Do not use appliance for other than intended use.
14. Save these Instructions.
15. 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 use of the appliance by a person responsible for their safety.

16. Children should be supervised to ensure that they do not play with the appliance.
17. For use only with type GAT-0501000U, XSC-0501000SAUU or M4-050100U adapter.

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.

Shenzhen Inkbird Technology Co., Ltd.

support@inkbird.com

Consignor: Shenzhen Inkbird Technology Co., Ltd.

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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



(US) V1.0

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DESIGNED BY INKBIRD