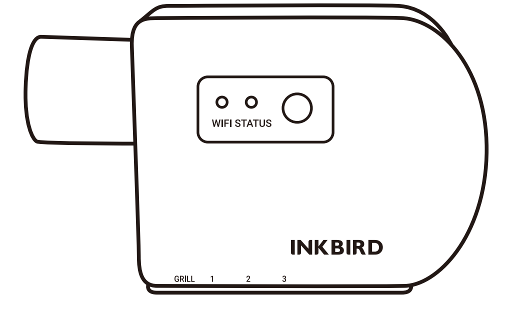
INKBIRD

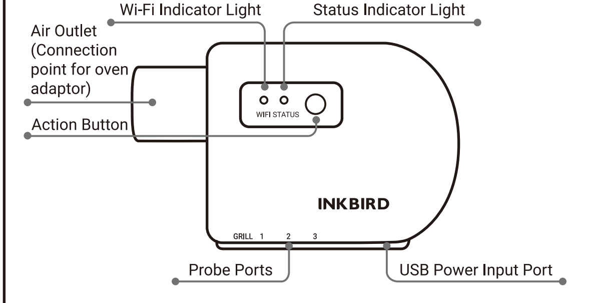


Smoker Controller

ISC-028-BW

USER MANUAL

01 Product Introduction



Status Indicator Light:
Green light remains on→Working;
Red light remains on→Stop working;
Red light flashes→Pause
(After the cover opening function is turned on, the device will automatically pause by detecting the opening of the oven cover and restart by detecting the closing of the oven cover.)

Action Button: Short press to stop/start working, Long press to reset Wi-Fi connection.

Package Contents: 1x BBQ Controller; 3x Meat Probes; 1x Oven Probe; 1x USB Power Plug+Cable; 1x Oven Adaptor.

Note: If you use Wi-Fi connection, the chart data will be saved in the server. If you use Bluetooth connection, the chart data will be saved in the device local storage (local storage can store up to 3 days of data).

02 Specifications

- Input Voltage: DC 5V,1A

Short Time Measurement Range : from 0℃ to 300℃(32℉~572℉)

- Continuous Monitoring Range: from 0℃ to 250℃(32℉~482℉)
- Probe Temperature Accuracy:

±0.5℃/±0.9℉ (maximum) form +25℃~+140℃ (77℉~284℉)
±1.0℃/±1.8℉ (maximum) form 0℃~+185℃ (32℉~365℉)
±1.5℃/±2.7℉ (maximum) from 0℃~+250℃ (32℉~482℉)
±2.0℃/±3.6℉ (maximum) from 0℃~+300℃ (32℉~572℉)

- Connection Methods: support Wi-Fi connection and Bluetooth connection Requires 2.4GHz Wi-Fi (Support IEEE 802.11b/g/n)
- Maximum Bluetooth Connection Distance: 164ft (the distance will be shorter if there are interferences)
- Calibration Range: ±12℃/±12℉
- Warranty: 1 year

03 App Connection

3.1 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:

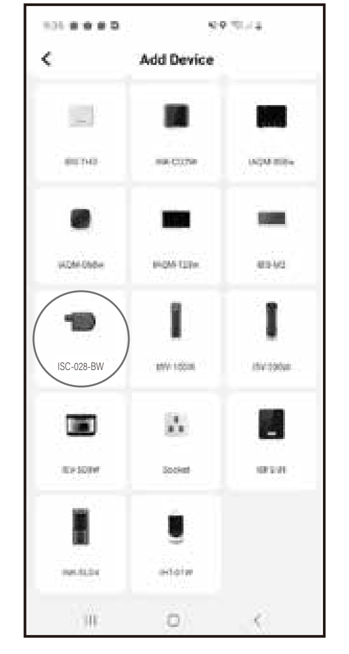
1. Your iOS devices must be running iOS 10.0 or above to download the app smoothly.
2. Your Android devices must be running Android 4.4 or above to download the app smoothly.
3. The device supports a 2.4GHz Wi-Fi router only.

3.2 Registration

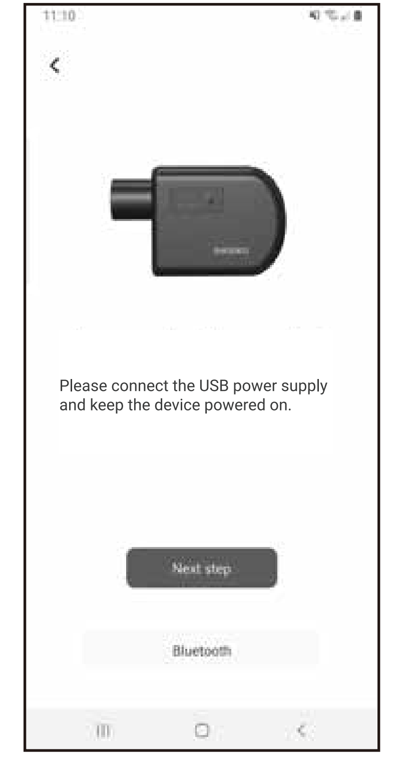
3.2.1 Open the app, select your Country/Region, enter your email address, and a verification code will be sent to you.
3.2.2 Enter the verification code to confirm your identity, and the registration is complete.
3.2.3 Registering an account is necessary before using the INKBIRD app for the first time.

3.3 Connect to Your Phone

3.3.1 Open the app and click "+" in the upper right corner to select ISC-028-BW to start the connection.

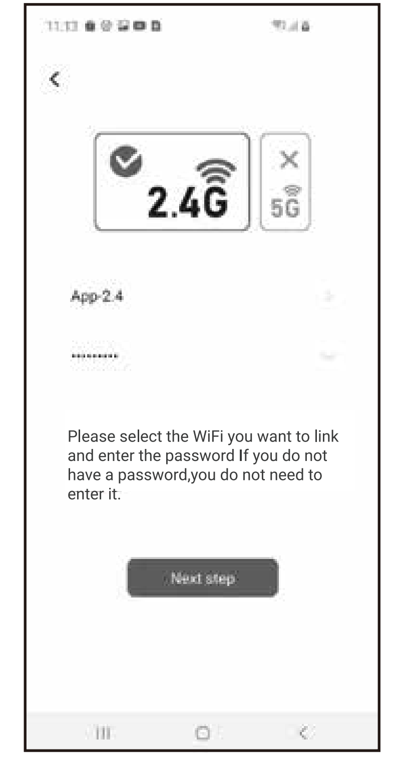


3.3.2 Plug into a USB power supply, power on properly, and click Next Step to continue.



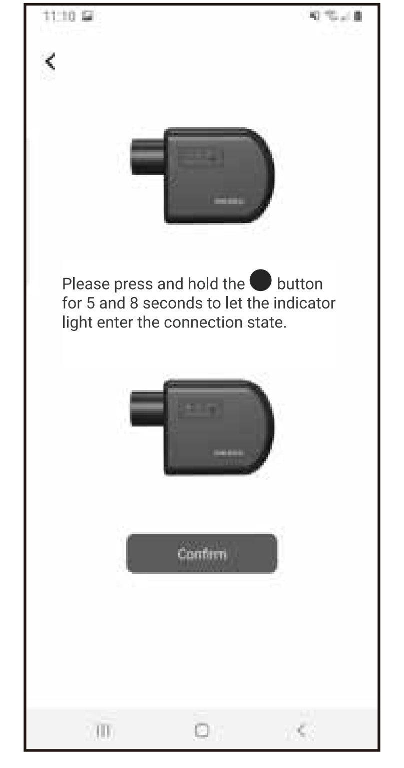
Please connect the USB power supply and keep the device powered on.

3.3.3 Select the Wi-Fi network to connect to, enter the password, and click Next Step to continue.



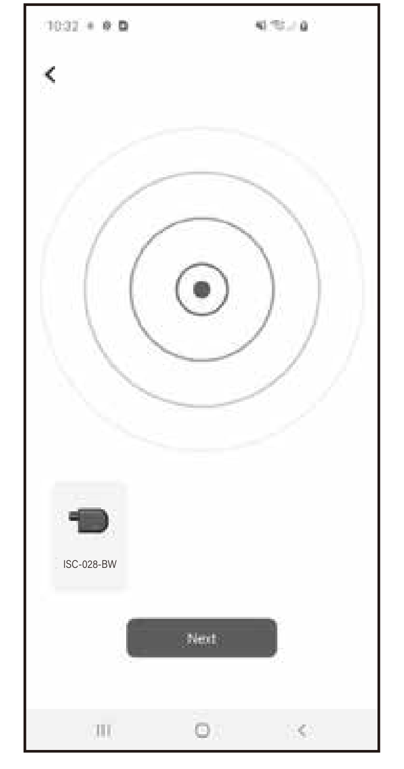
Please select the WiFi you want to link and enter the password If you do not have a password,you do not need to enter it.

3.3.4 Press and hold the action button on the device until the Wi-Fi indicator flashes to enter the pairing state, then click Next Step to continue.



Please press and hold the ● button for 5 and 8 seconds to let the indicator light enter the connection state.

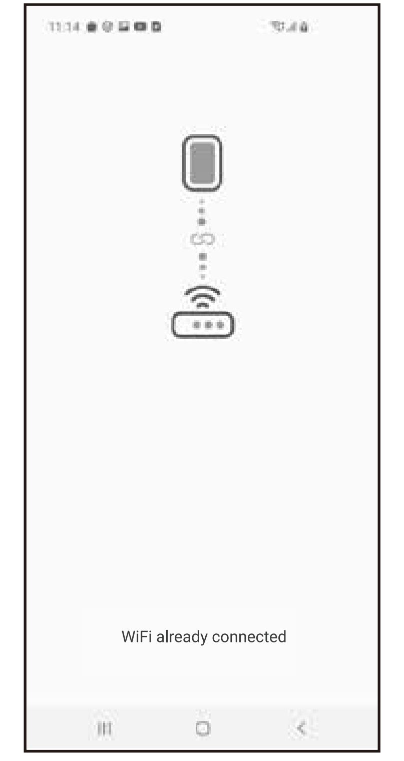
3.3.5 Your phone will automatically enter the device scan page. Once the device is found, click Next Step to continue.



3.3.6 The device is automatically pairing with the network.

The device is connecting to the network.

3.3.7 Pairing is successful.



WiFi already connected

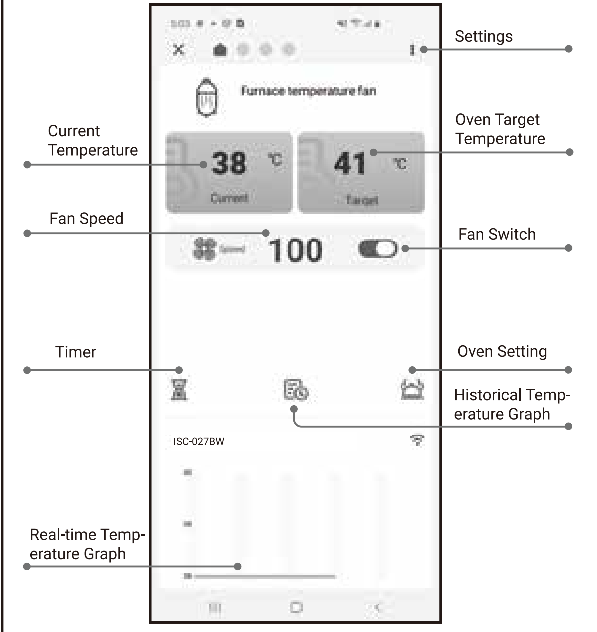
Note: If pairing fails, unplug the power supply and restart the device, then repeat steps 3.3.1~3.3.6 to try again.

04 Bluetooth Connection

After completing the above 3.1 App connection, when there is no Wi-Fi network, the device will be automatically connected to your phone via Bluetooth. You can also choose to connect via Bluetooth when adding the device.

Note: Please turn on GPS on your Android phone as Google Play requires it to work fully. Once the device is successfully paired with your phone, you don't need to pair it again unless you change your phone.

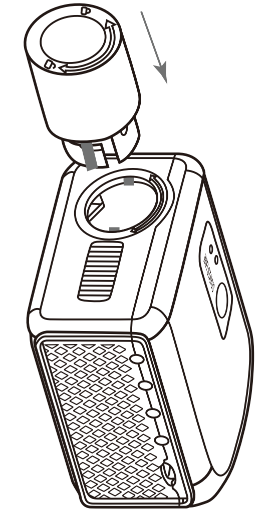
4.1 Main Interface of the ISC-028-BW Smoker Controller on INKBIRD App



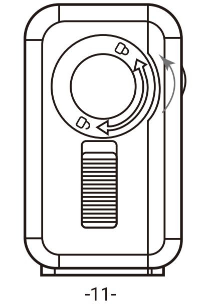
05 Air Duct Installation

Note that the air duct is factory installed on the controller by default.

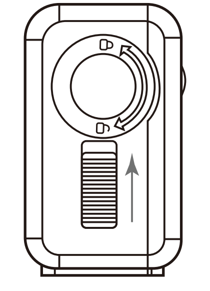
Step1: First, insert the air duct into the slot as indicated by the arrow.



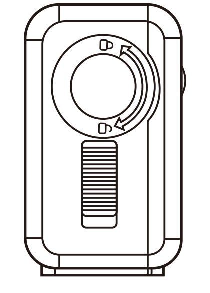
Step2: Turn the air duct counterclockwise as indicated by the arrow to tighten it.



Step3: Push the switch up as indicated by the arrow to lock the duct tightly.



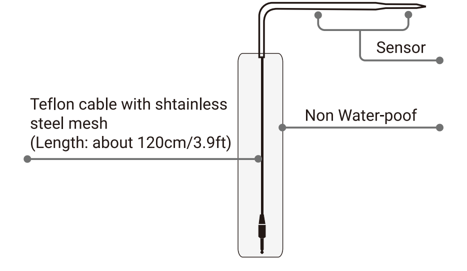
- After locking, it shows as below.



06 Precautions

(1) The maximum temperature for short time measurement is 300℃/572℉ and the maximum temperature for long time measurement is 250℃/482℉, the probe and the metal wire will be burned out if the temperature go beyond the maximum number.
(2) Do not put probes or metal wire into fire or contact the heating tube directly.
(3) Do not put probes or the metal wire into water, it may lead to inaccurate measurements.

(4) Do not press probes or the metal wire too hard, it may damage the the plastic film of the wire and lead to short circuit.
(5) Please take off the silicon case before using the probe.


Sensor
Teflon cable with shtainless steel mesh (Length: about 120cm/3.9ft)
Non Water-poof

07 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.

08 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.

09 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.
This transmitter must not be co-located or operating in conjunction with any other antenna ortransmitter. This equipment should be installed and operated with a minimum distance of 20centimeters 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 é conomique 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 radioé lectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ouémetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

Troubleshooting Guide

Issues	Causes	Solutions
Can not connect to WIFI.	1. Incorrect phone settings. 2. Incorrect router settings. 3. Incorrect connection mode selection. 4. Device malfunction.	1. In the phone settings, all permissions for the INKBIRD app are turned on. The Bluetooth and location functions of the phone are turned on. 2. Please ensure that the router can transmit 2.4GHz wifi signal alone, and the mobile phone remains connected to the 2.4GHz wifi that can access the Internet. Please make sure the SSID of the 2.4GHz wifi is not hidden. The password is not empty. There is no limit on the number of connected devices to the router. If you are not sure whether the upper limit has been reached, please turn off 2-3 WIFI devices. Router settings are as follows: ·Wireless protocol: 802.11 b/g/n, but cannot be set to 11n only; ·Security mode: WPA/WPA2 ·Authentication type: AES ·Enable DHCP service ·No VPN service. 3. Select the correct WiFi mode in the app. If there are many WiFi products interfering nearby, please switch the device to slow flash (AP) mode to connect. If it still does not work, please contact customer service.
Can't connect to Bluetooth.	1. Incorrect phone settings. 2. Incorrect operation 3. Device malfunction.	1. Turn on the Bluetooth and location permissions of the phone, and make sure that the permissions of app in the phone settings are all agreed. 2. The phone is not connected to other Bluetooth devices. 3. Clear the Bluetooth cache if possible. If it still does not work, please contact customer service.
Inaccurate temperature reading.	1. Large temperature difference in the environment. 2. The probe or probe wire is in direct contact with fire source or oven. 3. Water in the probe wire during cleaning.	Please put the probe and probe's cable (excluding the probe's plug) in a 150C/ 302 F oven for 30 minutes, then test it with boiling water. Please hang the probes and do not let it touch the container. If it still does not work, please contact customer service.
The temperature will overshoot.	1. Material of the oven is relatively heat-insulating. 2. Excessive placement of combustibles. 3. Inaccurate probe readings lead to calculation errors.	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-028-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 oven 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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V3.0

MADE IN CHINA
DESIGNED BY INKBIRD