G32 MCU Function description
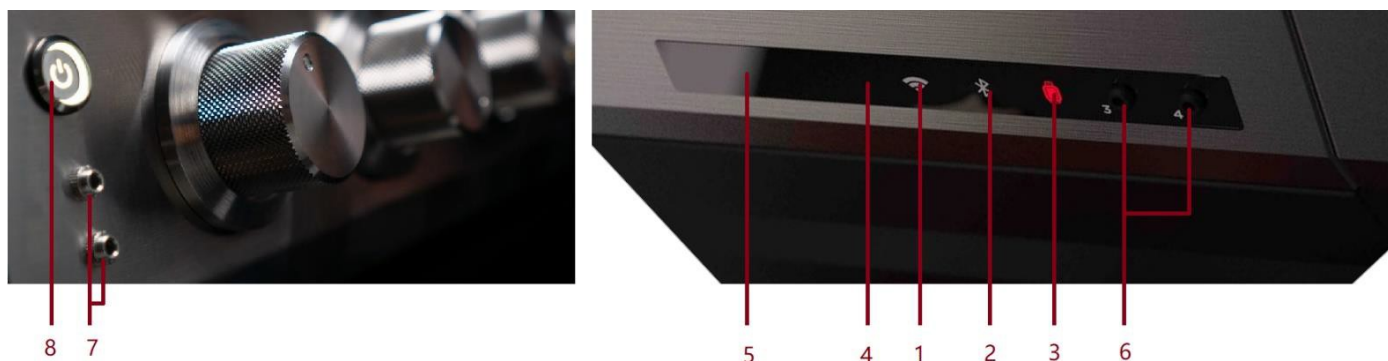
① **Wi-Fi Touch Button / LED Indicator**
② **Bluetooth (BLE) Touch Button / LED Indicator**
③ **Gas Stock Indicator**
④ **Photodiode**
⑤ **Antenna Window**
⑥ **Meat Probe Sockets 3#,4#**
⑦ **Meat Probe Sockets 1#,2#**
⑧ **Main Power Switch**

A. Standby Mode：

Condition: Power on and self-check passed.

Operation	Function	LED Indication	Beep
Press ⑧ Power On	Standby wait for further operation	Wi-Fi ① Off BLE ② Off Gas Stock ③ : see **E**	No

B. Wi-Fi Function：

B1. Wi-Fi Configuration
Condition: in Standby mode

Operation	Function	LED Indication	Beep
Press Wi-Fi ① 5S~10S	Wi-Fi Configuration	Wi-Fi ① flash in 2Hz BLE ② Off Gas Stock ③ : see **E**	2 beeps @2s/5s

Device (MCU) switch to AP mode, the grill will be a Hot Spot and can be found in the Wi-Fi list of Mobile devices
Follow the Instruction in APP to finish the Wi-Fi Configuration (provide SSID and Password)

Quit Mechanism / Output:

- Time out (150s) or Configuration not succeed: quit to A. Standby Mode
- Success Configurated: go to B3. Wi-Fi Data Transfer
- Press Wi-Fi① 5-10s, quit to A. Standby Mode

B2. Wi-Fi Connection

Condition: in Standby mode, Wi-Fi Configuration has been done before (SSID and Password are stored in the memory)

Operation	Function	LED Indication	Beep
Press Wi-Fi ① 2S~5S	Wi-Fi Connection	Wi-Fi ① ON BLE ② Off Gas Stock ③ : see **E**	1 beep @2s

System will try to connect the server

Quit Mechanism / Output:

- Time out/connection not succeed: Wi-Fi Flash 2 times, beep 1 once. go to A. Standby
- Success connected: go to B3. Wi-Fi Data Transfer

B3. Wi-Fi Data Transfer

Operation	Function	LED Indication	Beep
N/A	Data Transfer via Wifi	Wi-Fi ① ON BLE ② OFF Gas Stock ③ : see **E**	No

Quit Mechanism / Output:

- Connection lost/Time out: quit to A. Standby
- Press Wi-Fi① 5-10s, quit to A. Standby Mode

B4. Wi-Fi Clear

Operation	Function	LED Indication	Beep
Press Wi-Fi ① >10S	Clear all Wifi data	Wi-Fi ① ON BLE ② OFF Gas Stock ③ : see **E**	3 beeps @2s/5s/10s

All stored Wi-Fi Configuration Information will be deleted.

C. Bluetooth(BLE) Function:

C1. BLE Configuration

Condition: in Standby mode

Operation	Function	LED Indication	Beep
Press BLE ② 5S~10S	BLE Configuration	Wi-Fi ① Off BLE ② flash in 2Hz Gas Stock ③ : see **E**	2 beeps @2s/5s

Device (MCU) switch to BLE Paring mode, the grill can be found in the BLE list of Mobile devices
Follow the Instruction in APP to finish the BLE Configuration

Quit Mechanism / Output:

- Time out (150s) or Configuration not succeed: go to A. Standby
- Success Configurated: go to C2. BLE Data Transfer
- Press BLE② 5-10s, quit to A. Standby Mode

C2. BLE Data Transfer

Condition: in Standby mode, BLE Configuration has been done.

Operation	Function	LED Indication	Beep
Press BLE ② 5S~10S	BLE Configuration	Wi-Fi ① Off BLE ② flash in 2Hz Gas Stock ③ : see **E**	No

Device (MCU) switch to AP mode, the grill will be a Hot Spot

Follow the Instruction in APP to finish the Wi-Fi Configuration (provide SSID and Password)

Quit Mechanism / Output:

- Connection lost/Time out: quit to A. Standby
- Press BLE② 5-10s, quit to A. Standby Mode

D. Halogen Light Control :

In any STATE

If the illuminance near the Photo Diode is smaller than 75 Lux

AND the Hood is open (magnet on the hood away from reed in operation panel)

The System will turn on the Halogen Light.

When the Halogen Light is ON

If the illuminance near the Photo Diode is rises more than 125 Lux

OR the user closes the Hood

The System will turn off the Halogen Light.

E. Gas Buddy (Gas Stock Indicator) :

- Gas N.W. < 1 kg → red LED on
- Gas N.W. > 1 kg → white LED on
- Cable（Gas buddy Module）not connect → LED OFF

F. OTA Mode:

Operation	Function	LED Indication	Beep
Press BLE ① >10S	OTA: Update Firmware via Remote Server Socket	**Step 1: (OTA paring)** Wi-Fi ① ON BLE ② ON Gas Stock ③ : OFF **Step 2: (OTA Update)** Wi-Fi ① ON BLE ② ON Gas Stock ③ : White+Red **Step 3: (Reboot)** Wi-Fi ① flash 5 times BLE ② flash 5 times Gas Stock ③ : both flash 5 times	3 beeps @2s/5s/10s when button been pressed

G. FCC Warning

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.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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.

To maintain compliance with FCC's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.