

Bluetooth Probe Repeater

Model: SN520B

User Manual

1 Overview

The Bluetooth probe repeater SN520B can enhance the wireless transmission distance between the Bluetooth probe and the smart terminal phone to 80 meters. You only need to download the APP application software "Grill ProbeE" to monitor the baking and cooking process of food in real time, It is widely used in household, hotel, restaurant, kitchen appliances.

2. Features

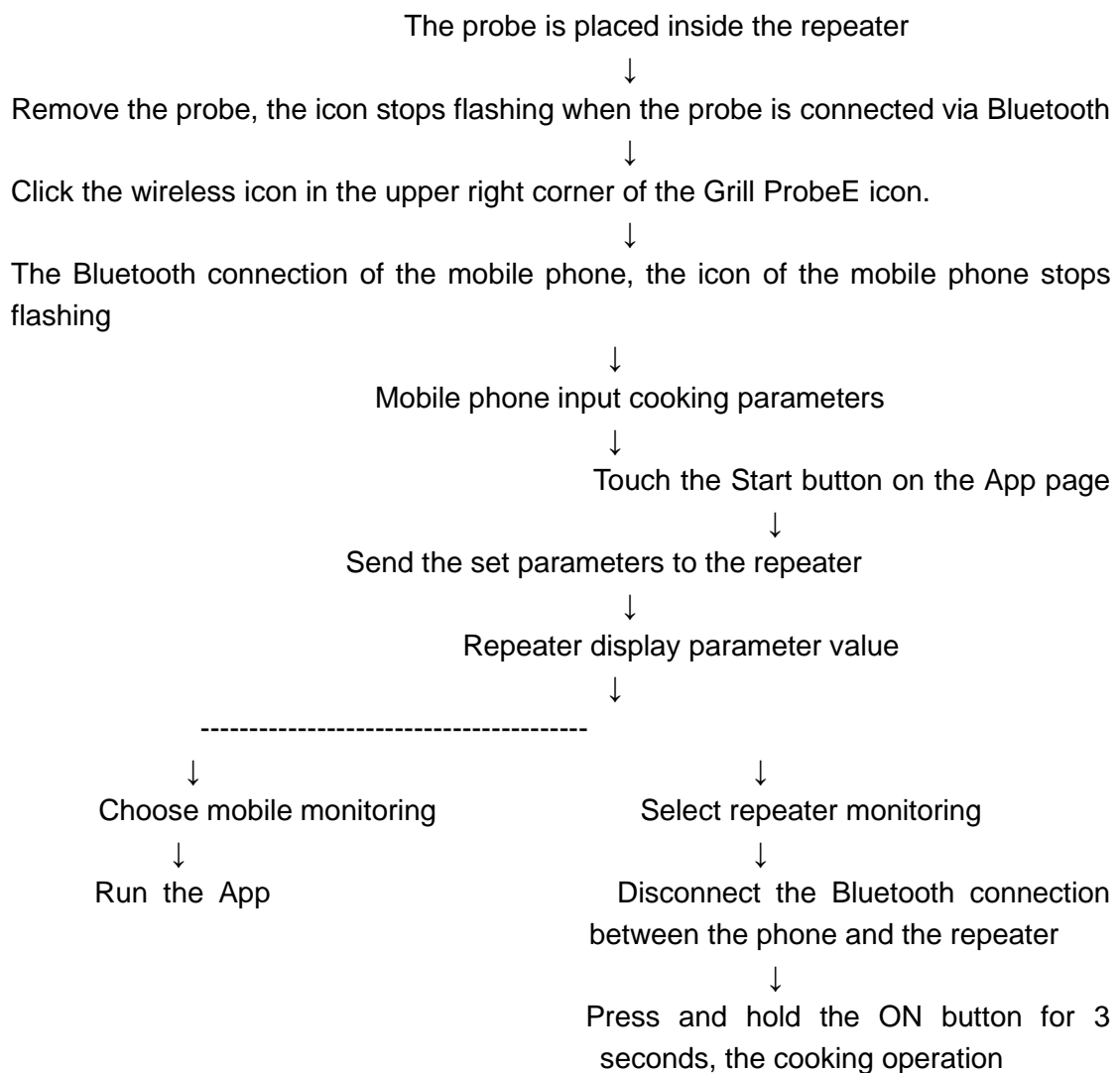
- Receive probe temperature measurement data relay transmission to mobile phone
- Repeater or mobile phone to monitor food baking and steaming process
- LCD display / touch key operation / sound and light alarm
- Compatible with Bluetooth BLE4.2 / 5.0, transmission distance up to 80 meters
- Configure Grill ProbeE for iOS and Android App
- USB port to charge the built-in 1000mAh battery
- The probe is fast charged in 10 minutes and can last for 4 hours
- Magnet or desktop placement, product weight 155g
- Product size: L150 x W55 x H27mm

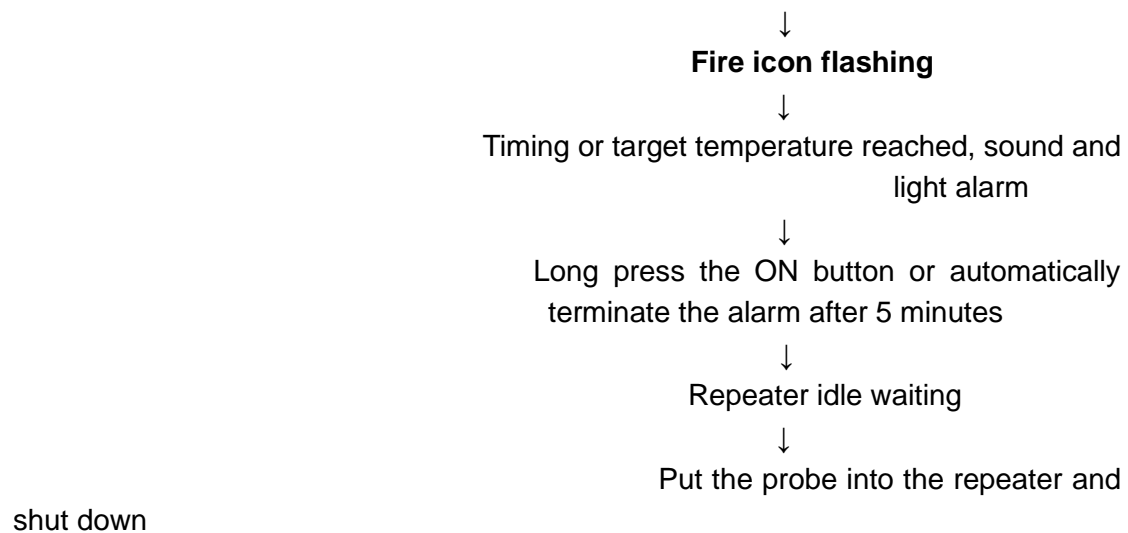
3. Product connection diagram





4. Operating instructions

—Operation flow chart








—Device charging

Insert the USB charging cable to charge the repeater. The  R icon at the top of the screen flashes, and the icon disappears when fully charged. The probe is placed in the repeater for fast charging. If the probe battery is low, the  P icon is displayed.

—Turn the repeater on and off

Remove the probe to turn on the power of the repeater. After the probe is connected to the repeater with Bluetooth, the icon  stops flashing. When not in use, put the probe in the repeater and turn off the power.




—Mobile phone Bluetooth connection repeater

Download the application software Grill ProbeE from your mobile phone and touch the icon  in the upper right corner of the main page. When the mobile phone and the repeater Bluetooth connection is successful, the icon  stops flashing.




—Bluetooth connection / disconnect / reconnect

When the Bluetooth communication of the device is abnormal, the corresponding probe or mobile phone icon at the top of the repeater screen flashes. Please adjust the distance between the devices in time to ensure normal communication. It is recommended to place the probe and the repeater within a distance of 10 meters, and the repeater and the mobile phone within a distance of 30 meters.

—Set cooking parameters

The mobile phone selects the cooking mode on the App's setting page, enters the recipe, rawness, target temperature, and timing parameters, and presses the Start key at the bottom of the setting page to send the set parameters to the repeater. At this time, the timer time or target temperature is displayed at the bottom of the repeater screen, and the cooking mode is displayed at the bottom right:  timer mode,  recipe mode,  target mode.

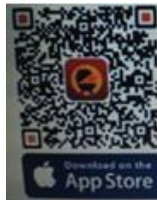
— Repeater monitoring operation

Click the icon  in the upper right corner of the App page of the phone to disconnect the Bluetooth connection with the repeater, and the  icon at the top of the repeater screen flashes. Press and hold the ON button at the bottom of the repeater panel for 3 seconds, the  icon flashes to start the cooking operation, and the food temperature is displayed in the middle of the screen. After the cooking is completed, the audible and visual alarm is triggered. After long pressing the ON button for 3 seconds or 5 minutes, it will automatically return to the idle waiting state.

5. The mobile phone monitors the cooking process

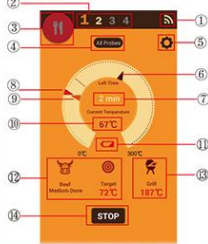
—Install App software

Download and run the Grill ProbeE app in the Apple Store or Android Store.



4 APP Operation

APP Interface



- ① Probe connection, click ON the bluetooth.
- ② Four channel no.,click to view each probe barbecue status.
- ③ Set operating modes
- ④ View all Probes
- ⑤ Set Temp Unit and Alarm Bell
- ⑥ Oven Temperature pointer
- ⑦ Time To Go
- ⑧ Target Food Temp
- ⑨ Food Temperature pointer
- ⑩ Current Food Temp
- ⑪ Low Battery alarm
- ⑫ Operating modes
- ⑬ Oven Temp
- ⑭ Start/Stop,click to start/stop the BBQ process

Click on the Probe channel no.(1,2,3,4) to see corresponding BBQ status.



—App operation flow

Bluetooth connection → parameter settings → select cooking mode (recipe / timer / target) → set food type / doneness / time / time / target temperature → touch the Start key to start → sound and light alarm when cooking end.

Bluetooth Connect to Probe

Click on Bluetooth to see device list

Click to select related probes

Press Back to return

Probe connection Success

Press Back button to return

Alarm ON & Barbecue end

When the grilled food reaches the preset temperature, the phone will ring/vibrate and the grill is complete. Please remove the food from the oven immediately.

Grill mode setting

Three grill modes: 9 recipes, timer, target temperature. There are nine food types to choose from in the recipe mode. Click "II" to start the barbecue process.

The Probe's Bluetooth Disconnect

Click here

Click "Y" to confirm disconnect

Bluetooth interrupt

When the probe's bluetooth signal is interrupted or far away from the mobile, mobile will give alarm. Please put the probe near the mobile immediately in order not to affect the temperature measurement.

Set Temp Unit & Alarm Bell

click to enter Settings page

Click to select Celsius/Fahrenheit

Click to select the alert: Ringing, vibrating, ringing & vibrating

6. Packing list

SN520B repeater 1 set

USB cable 1 set

user manual 1 set