ECTHERM

Making Master Chefs right at home

SMART Repeater SR200 for ECPIN

User Manual

1.0 Introduction

Congratulations on your purchase of the Smart Repeater SR200 for ECPIN, the truly Wireless Food Thermometer. Smart Repeater SR200 is designed dedicated for the Wireless Food Thermometer ECPIN. It can automatically search the signal sent by ECPIN, duplicate the data and resend out. In addition, SR200 provides the charging function to ECPIN. SR200 can be powered up either by USB power source or AAA battery. With the AAA battery and the magnets, SR200 can stick onto the metal surface where is close to the cooking equipment, such as oven, grill, or smoker etc. to extend the operating range of ECPIN. With the smart design of SR200, there is no installation nor setup required. You just need to power up the SMART Repeater SR200 and place it close to ECPIN. Then, you can enjoy the extended range of operation in using ECPIN.

1.1 Before you start using Smart Repeater SR200

1. Please make sure to read the instruction manual carefully. This information will help you to familiarize yourself with your new device, to find out important details about its first use and how to operate it and to get advice in the event of malfunction.
2. Following and respecting the instructions in your manual will prevent damage to your device and loss of your statutory rights arising from defects due to incorrect use.
3. Please take note of the safety advice especially in section 1.2.

1.2 Important Notes – Please read this carefully before use

1. This product is not intended for using by persons with ages 12 and under.
2. This product is exclusively used for charging and repeating signals of ECPIN. It should only be used as described within this User Manual.
3. Take out the battery whenever you are not using the Smart Repeater.
4. **Always slide the power source selector to “USB” position after use.**
5. Always use the latest version of the software APP for ECPIN. Go to the official website (Apple APP Store for iOS device and Google Play for Android device) to download and install the software APP for ECPIN.
6. Make sure the mobile phone is within the range of monitoring distance during cooking. The distance of operation is dependent on the actual working environment. It will be shorter if ECPIN or SR200 is covered or blocked by a metal case.
7. Do not let the Smart Repeater stay at high temperature.
8. The supplier will not be liable for any damage of SR200 due to misuse of the device.

1.3 Product Description

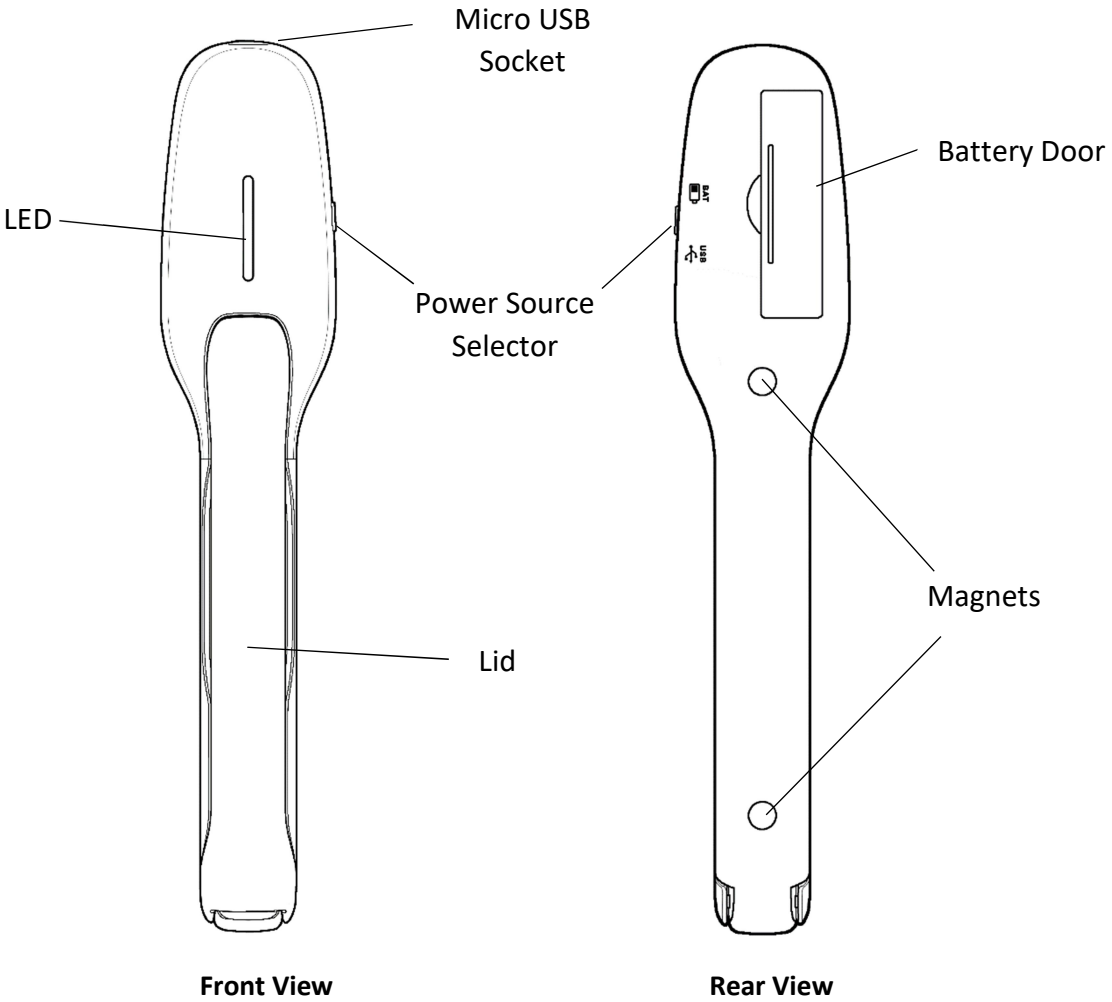


Figure 1. Front and Rear views of Smart Repeater (SR200)

1.4 Product Specification – Smart Repeater SR200

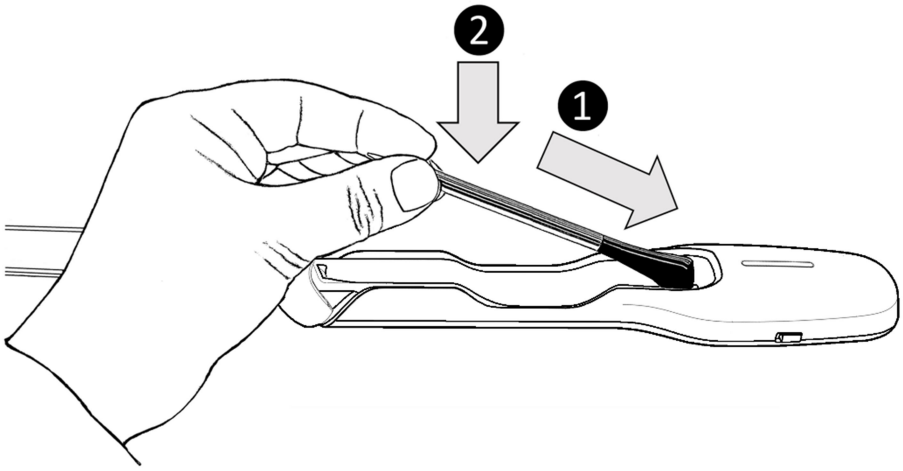
Item	Specification
Connectivity	2.4GHz Bluetooth (BLE) for both sending and receiving
Transmission Range	Up to 20 meter
Operating Time	Up to 10 hours* (with Battery) for repeater function
Charging Time	Less than 2 minutes to fully charge up ECPIN
Rating Power	1 AAA cell Battery or external USB power DC =5V 500mA;
Multi-probe	Support
OS for Software APP	iOS version 10.3.3 or above; Android version 6.0 or above

**The operating time depends upon the type of battery used. It is recommended to use alkaline battery.*

2.0 Using Smart Repeater for charging ECPIN

2.1 With Battery

1. Put a AAA cell battery into the battery compartment of the Smart Repeater SR200.
2. Slide the power source selector to “BAT” location.
3. Insert ECPIN to the Smart Repeater SR200 and close the lid.



4. The LED will be flashing during charging process and turn off after completing the charging process.
5. If Amber LED colour is shown, the battery level is low and it requires to replace a new battery.
6. Slide the power source selector to “USB” location when you have completed the charging process.
7. Please take out the battery if you are not intended to use battery as the power source or you will not use the Smart Repeater for a long period of time.

2.2 With USB power source

1. Connect the external USB power source and the Smart Repeater SR200 with the USB cable.
2. Slide the power source selector to “USB” location.
3. Insert ECPIN to the Smart Repeater SR200 and close the lid.
4. The LED will be flashing during charging process and turn off after completing the charging process.
5. The LED will be flashing again with a slow flashing rate which the repeater starts repeating the signal.
6. If you want to turn off the repeater, please disconnect the repeater with the USB power source.

3.0 Using Smart Repeater to extend the range of operation of ECPIN

3.1 With Battery

1. Put a AAA battery into the battery compartment of the Smart Repeater SR200.

2. Slide the power source selector to “BAT” location.
3. The LED will be flashing during the signal repeating process.
4. If Amber LED colour is shown, the battery level is low and it requires to replace a new battery.
5. Slide the power source selector to “USB” location if you want to turn off the Repeater.
6. Please take out the battery if you are not intended to use battery as the power source or you will not use the Smart Repeater for a long period of time.
7. Please make sure you have turn on the Bluetooth function of your mobile device and use the latest version of ECPIN APP.

3.2 With USB power source

1. Connect the external USB power source and the Smart Repeater SR200 with the USB cable.
2. Slide the power source selector to “USB” location.
3. The LED will be flashing during the signal repeating process.
4. If you want to turn off the repeater, please disconnect the repeater with the USB power source.
5. Please make sure you have turn on the Bluetooth function of your mobile device and use the latest version of ECPIN APP.

4.0 Support

Should you have any query in using SR200, please go to visit our official website www.ectherm.com

5.0 Regulation and Compliance

SR200 complies of different regulation and standard. For more details, please visit our website www.ectherm.com.

5.1 FCC Regulation

FCC Compliance Statement

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.

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

RF exposure statements

1. This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
2. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body or nearby persons.

5.2 Canadian Compliance Statement

This device complies with Industry Canada license-exempt RSSs. Operation is subject to the following two conditions:

1) This device may not cause interference, and
2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie 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'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

Radiation Exposure Statement:

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.