COTX X3 Hotspot USER MANUAL

1. Introduction

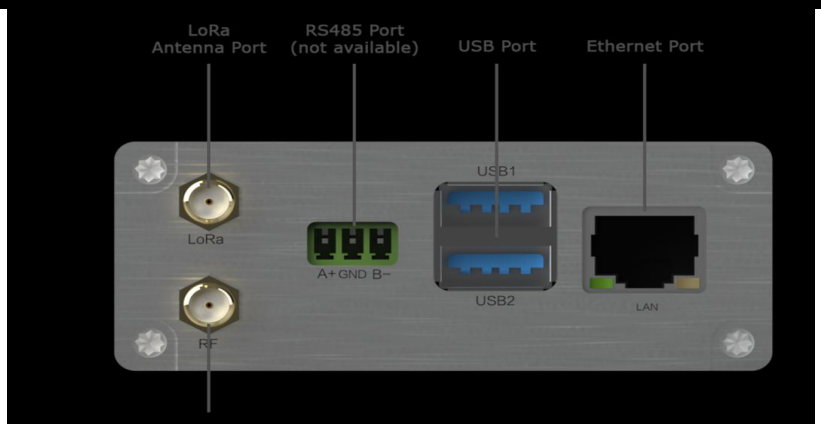
COTX-X3 Hotspot is next generated of low-power IoT smart converged indoor gateway independently developed by Beijing COTX Networks Technology Co. Ltd. (COTX).

It is a indoor gateway which is compatible with Helium LongFi technology. And it is also support standard LoRaWAN protocol.
It has rich connectors and display screen to show different working status easily.

2. Specifications

Physical Specification	
Product weight	203g
Material	Aluminum Alloy + Plastic
Fixing way	Desktop
Operating temperature	0℃~50℃
Power	
Power supply	5V DC input power supply
Maximum power consumption	<10W
Platform Configuration	
RAM	2GB LPDDR4-3200 SDRAM (4G/8G Optional)
CPU	Quad-core Cortex-A72 @1.5GHz
OS	Ubuntu20.04
Mainboard	Raspberry Pi 4
LEDs	
System LED	OFF (Non Power) / Blinking (Start) / On (Operating)
LED display screen	IP address & the status of BLE, Cloud, Ethernet and WiFi

3. Interface description



BT/WIFI Atnenna Port

4. LED and Screen Indicator Description

Indicator type	Indicator status	Description
LED	OFF	Non Power
LED	Blinking	System Start
LED	Green	Powern On
Screen	IP address BT Cloud and wifi	press BT BUTTON 5 seconds will turn on Bluetooth
Screen	IP address BT Cloud and wifi	Click the BT button and the screen will display the Ethernet IP and device status

5. Use guide

1、Download the Helium App

The application is available for both Android and iOS. You can manually search it or just scan the QR Code provided below:

- **Android**
- **iOS:**

Figure 2: QR Codes

2、Power on the Cotx X3 hotspot

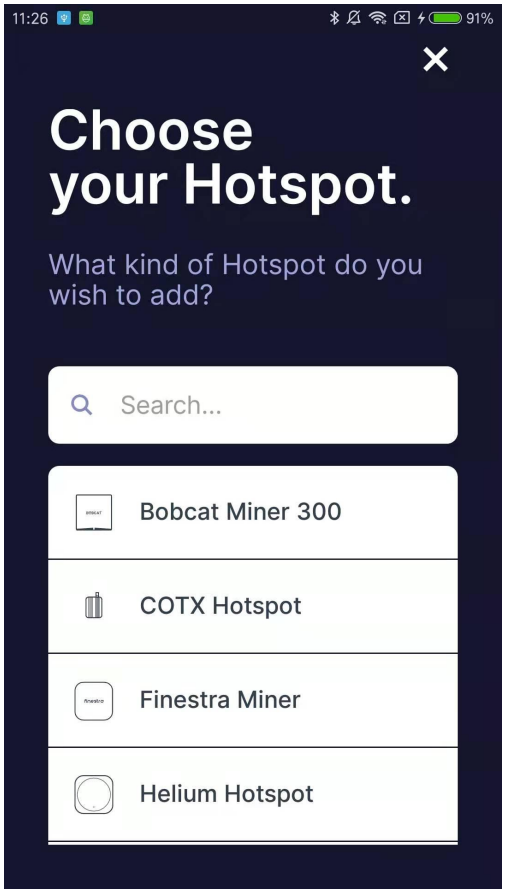
Power on X3S device, plug in the cable access to the device , install the antenna.

3、Turn On Cotx X3 hotspot BT

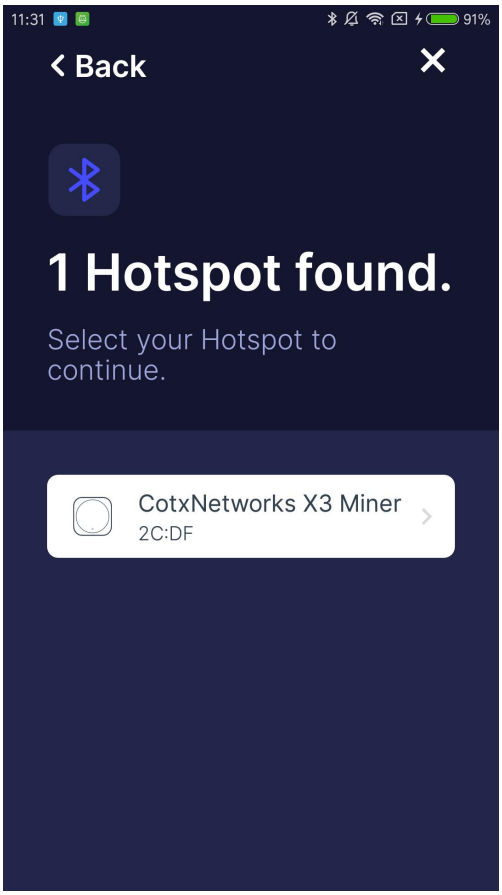
Generally speaking, bluetooth will automatically turn on after power on and turn off after five minutes, press BT BUTTON 5 seconds will turn on Bluetooth. Click the BT button and the screen will display the Ethernet IP and device status.

4、Set up X3 hotspot

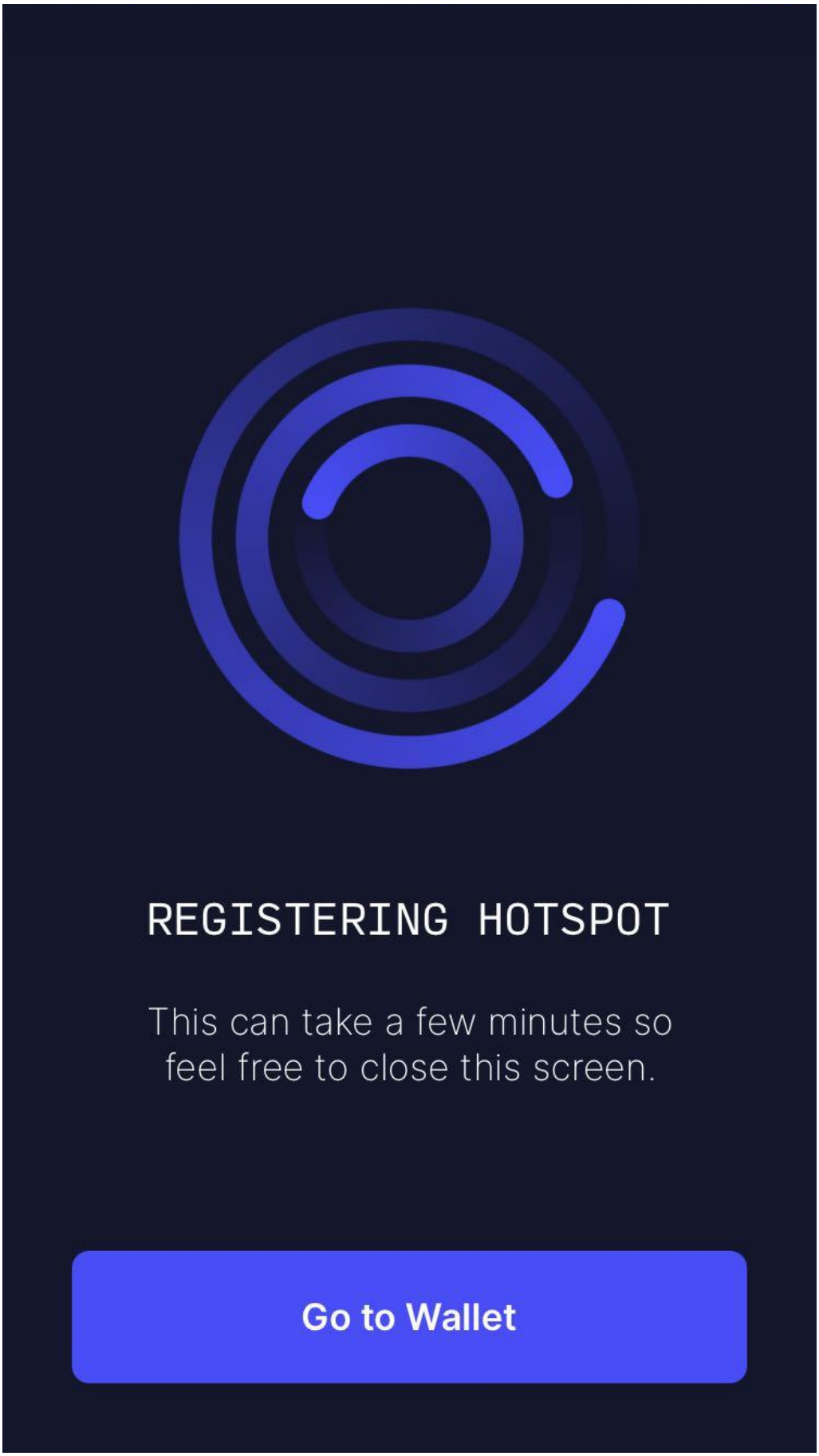
Choose Cotx X3 hotspot



5、Bluetooth scan find Cotx hotspot



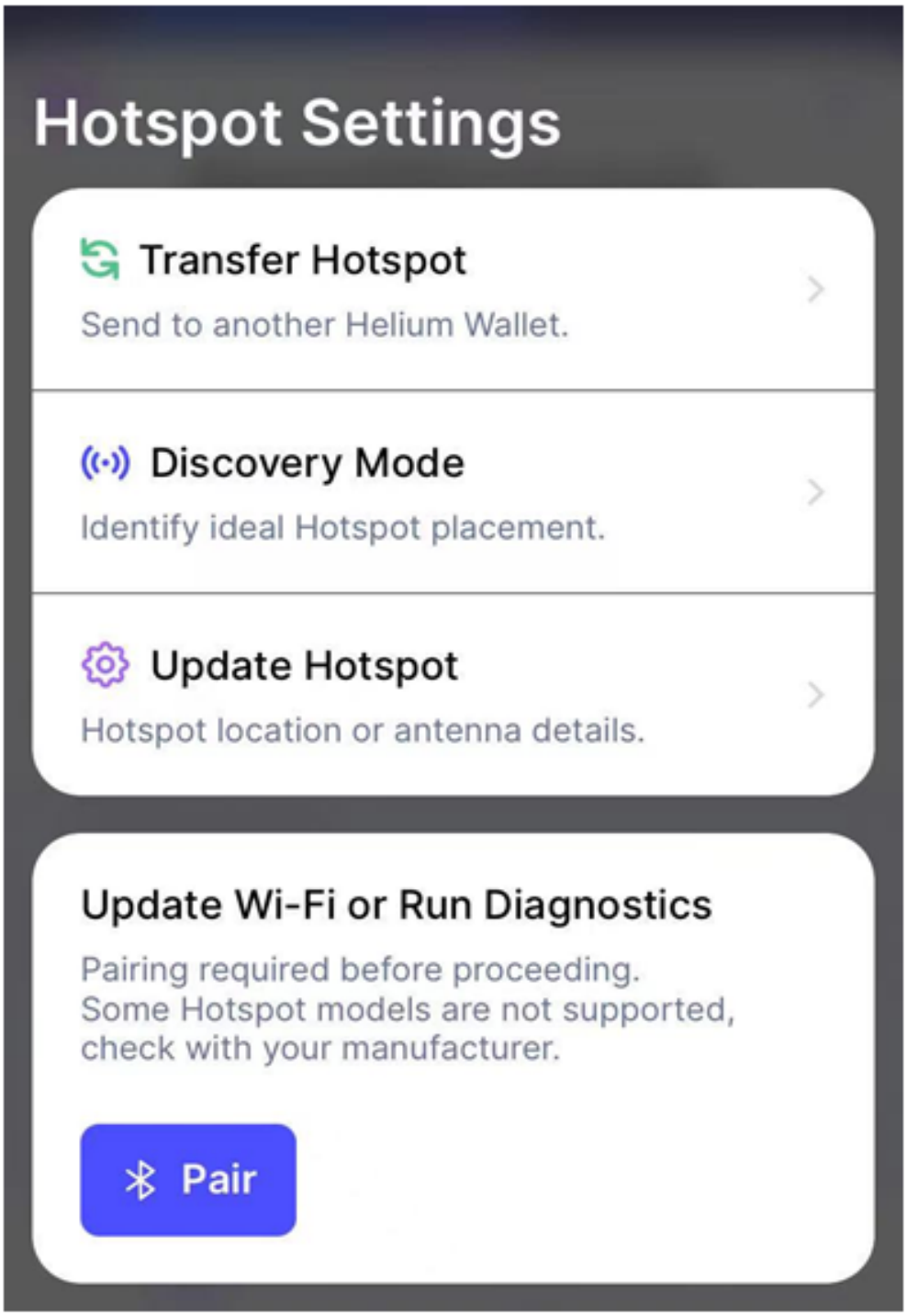
6、onboarding sucess



Application scenarios

Hotspot allows lorawan nodes to connect to the network.

You can view hotspot device information and manage device configuration through the app.



FCC Caution.

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.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment .
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 minimum distance 20cm between the radiator & your body.