

RUICTEC Device User Guide

Dear RUICTEC user,

Thank you very much for choosing to use our devices, I believe you should have some basic understanding of our devices, but in order to let you better use the devices, please read this document after receiving the devices, it will introduce you step by step how to use our devices.

Step 1:

All the devices will be powered off before delivery. Please keep the device powered off. First, configure the relevant information of the device in the network server, such as DevEUI, APPEUI, APPKEY, etc. This information will be indicated in the documents sent with the devices. The devices work in OTAA mode by default. If you are using a TTN network server, set the Frame counter width in the Advanced MAC setting to 16bit and the ADR to Disabled in the General setting of the device.

Generally, the data parsing script of the device can be configured in the network server. We have designed the corresponding parsing script for Chirpstack and TTN, please refer to the [Script](#).

In order to avoid input errors and document loss, you can also log in to our platform to obtain device information, login address and user name, password are also indicated in the document.

Step 2:

Make sure that the gateway is already in the same frequency band as the device, especially for US915 and AU915 with multiple frequency bands, the devices work in band2 by default. If the gateway must operate in another frequency band, then you can change the operating frequency band of the device via Bluetooth, for details, see Chapter 4 of the [Datasheet](#).

Step 3:

Now you can power on the device. For different devices, the method is as follows:

BLE beacon: Unscrew the case by rotating the bottom cover and turn the switch to ON.

Smart Badge: Press and hold the button for more than 3 seconds until the buzzer sounds.

BLE gateways and vehicle tracker with USB: Connect the device to the power supply via the USB cable until the buzzer sounds.

BLE gateway and vehicle tracker without USB: Unscrew the case and remove the insulation strip at the positive end of the battery.

BLE gateway without battery: Directly connect the device to the mains through the converter.

Step 4:

If the previous three steps worked correctly, you should be able to see the data on the web server. If you want to quickly build a positioning test system and experience positioning functions and effects, you can visit: [Build platform](#)

If any other questions, welcome to contact us: support@ruichuangte.com.