WiserSquare App v2.0.0 User Manual

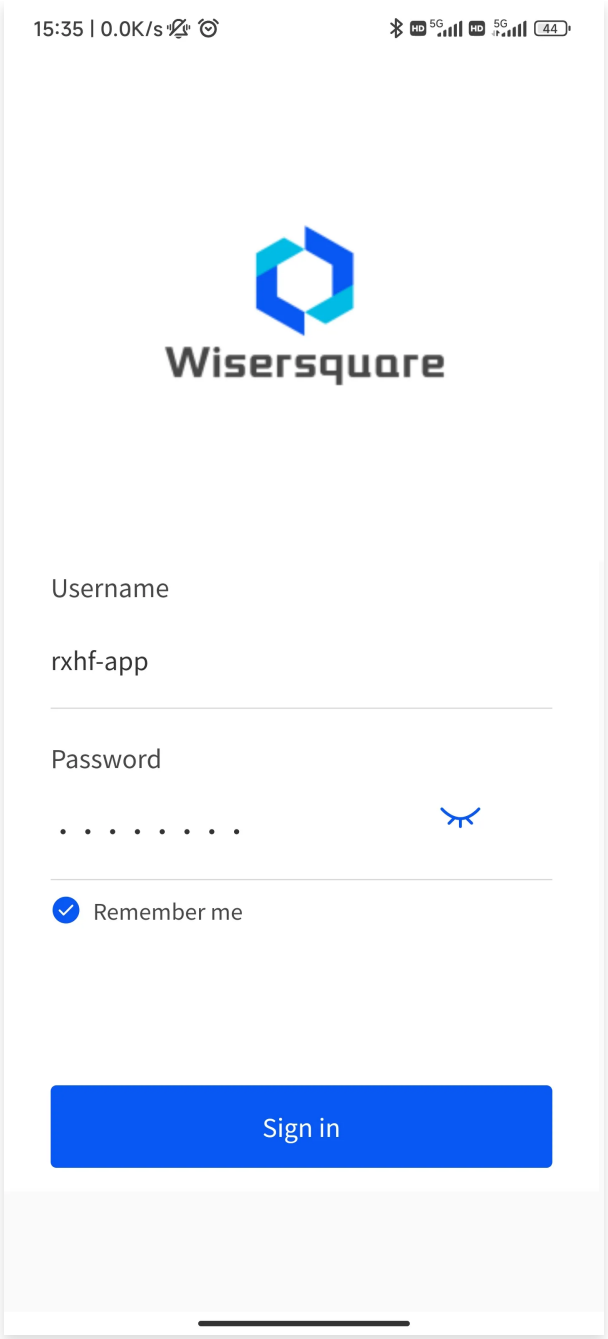
WiserSquare App is an IoT App product developed by RisingHF Network (Shenzhen) Co., Ltd., which is convenient for users to use terminal IoT products more intelligently and conveniently, and improves user experience.

Note: This user manual will no longer be updated with updates to the WiserSquare App. If the App has been updated with other functions, please use the App according to the user manual of the corresponding product.

Part 1. Sign in and Sign out

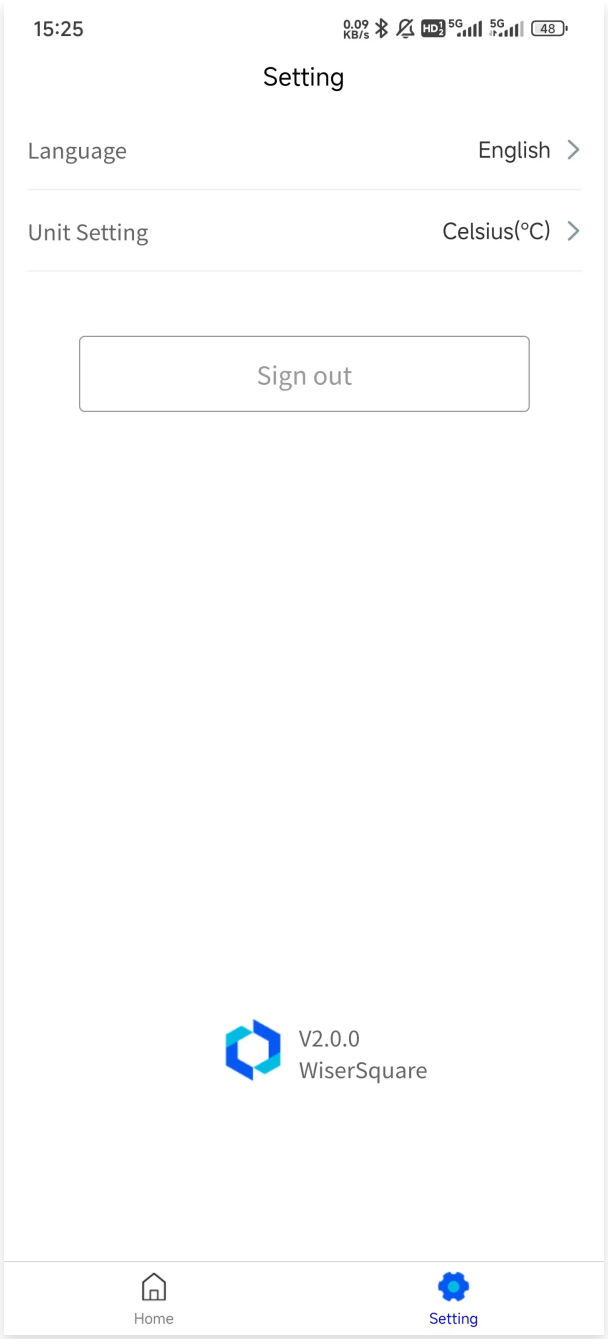
1. Sign in

Open the App to enter the login page, enter the correct account number and password, and click the button to sign in. Please contact the salesperson or salescn@risinghf.com to obtain the account number and password.



2. Sign out

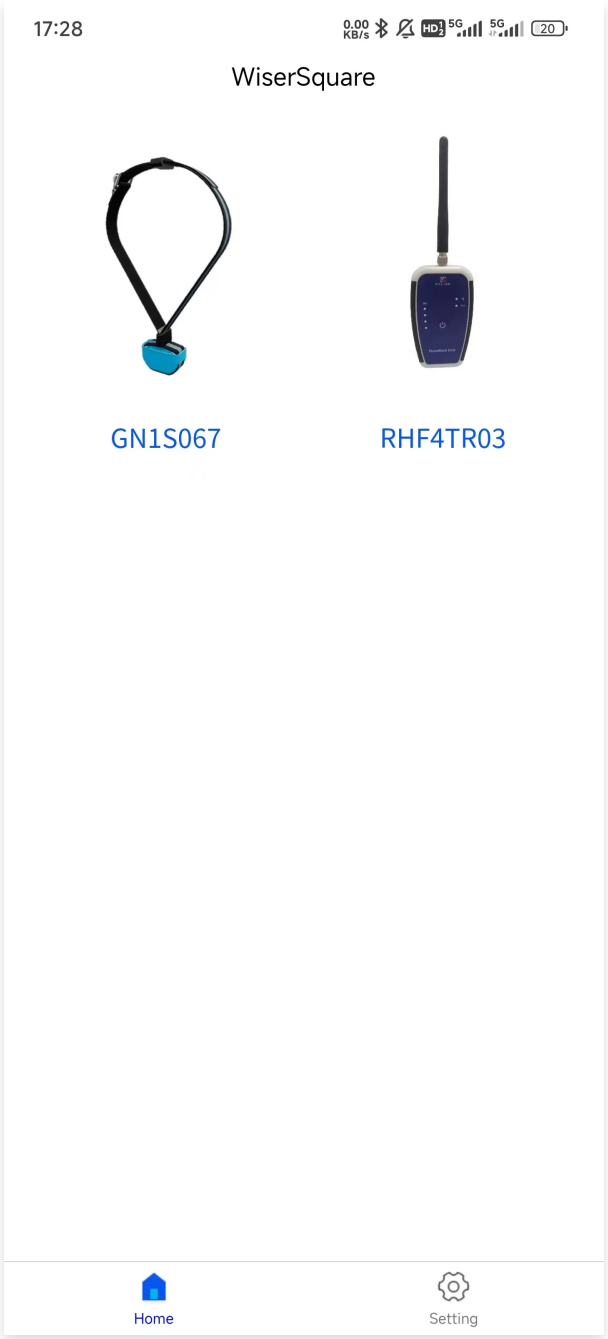
After successful sign in, click the button on the settings page to sign out.



Part 2. Home and Setting

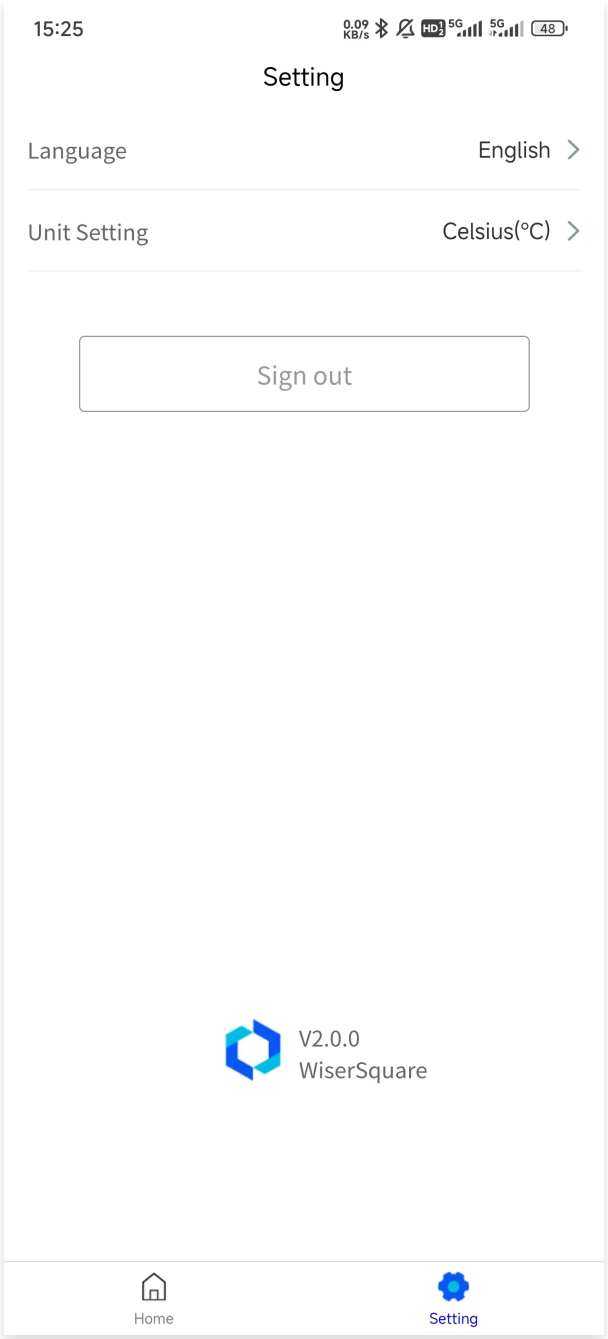
1. Home

After logging in to the App, you will enter the home page by default. The home page shows which products are currently available. By clicking the product icon, you can enter the product-related page.



2. Setting

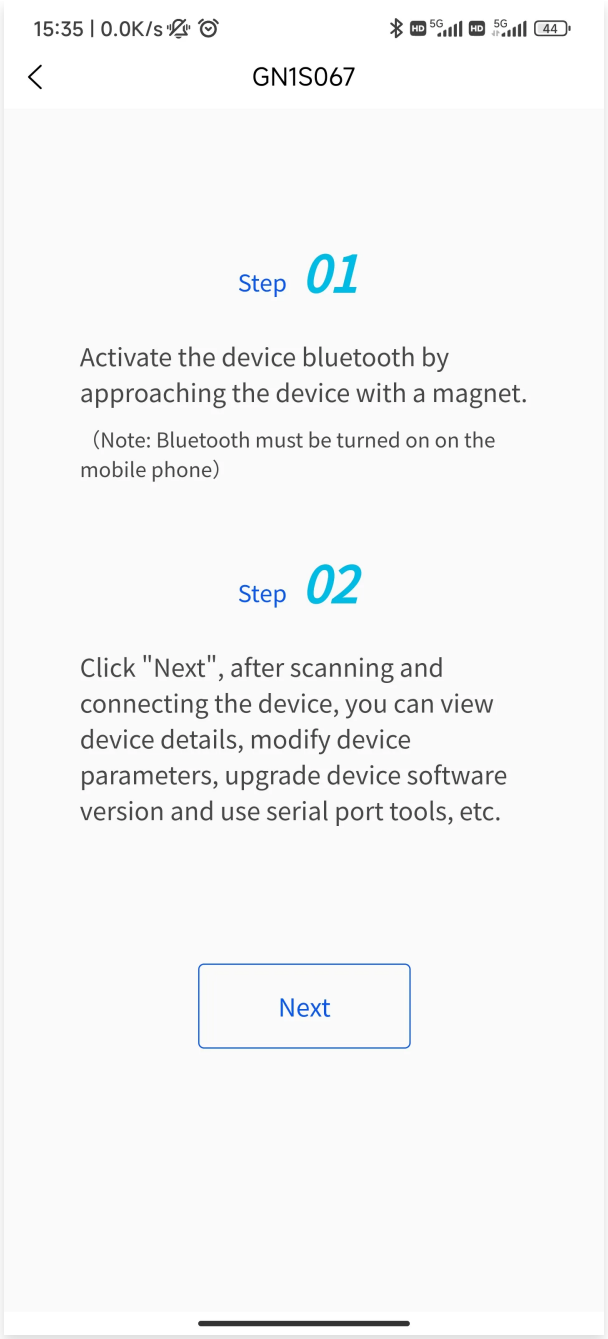
The settings page contains some global configurations of the App, such as language, unit settings, and so on.



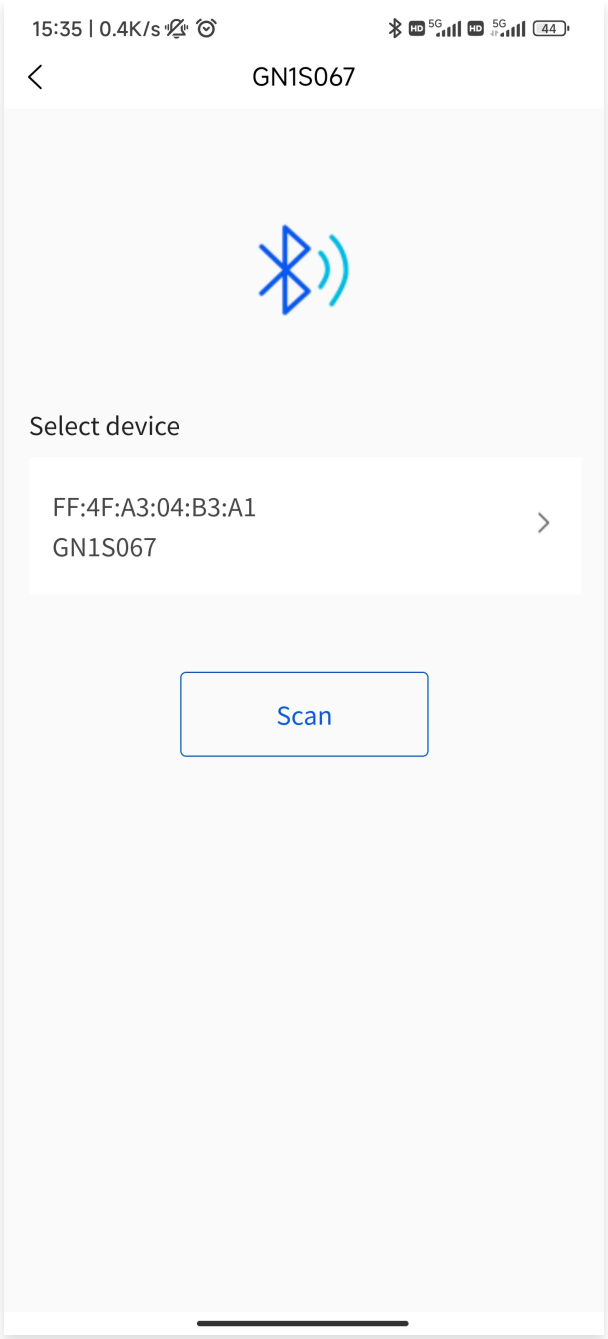
Part 3. GN1S067

1. Device connection

Click the GN1S067 icon from the home page to enter the device connection operation prompt page. Follow the prompts and click the Next.

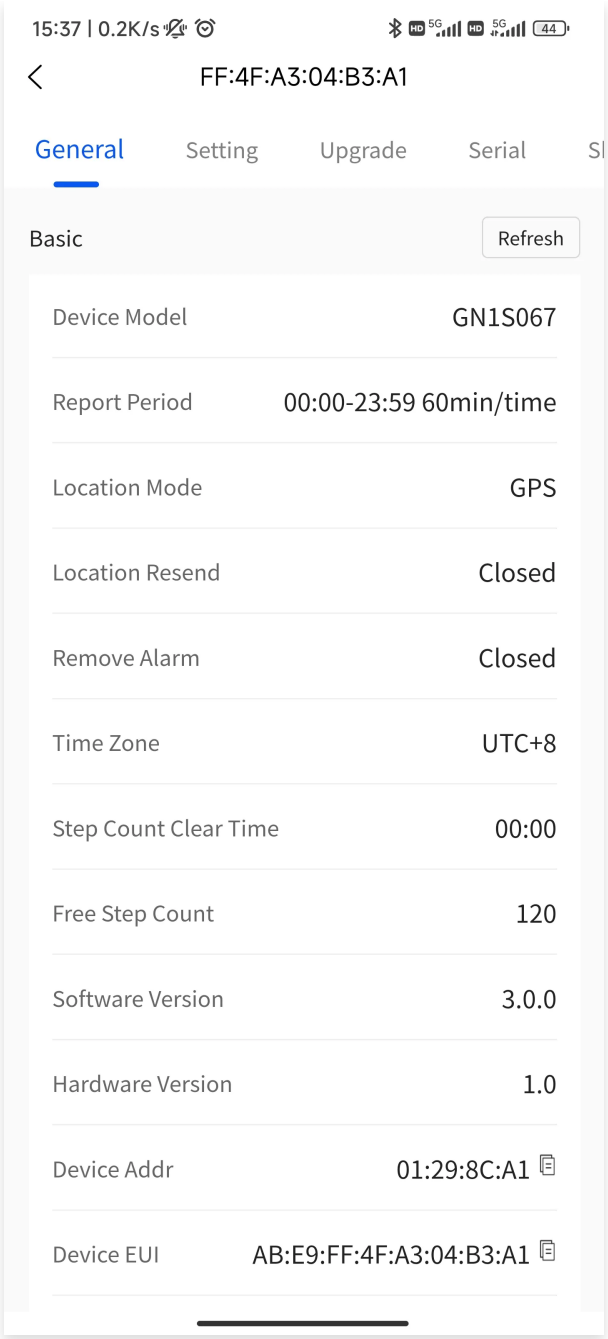


Click the scan button to start scanning the surrounding GN1S067 devices. Click to select the corresponding device, and the App will start trying to establish a Bluetooth connection with the device. After the Bluetooth connection is successful, it will automatically enter the device general page.



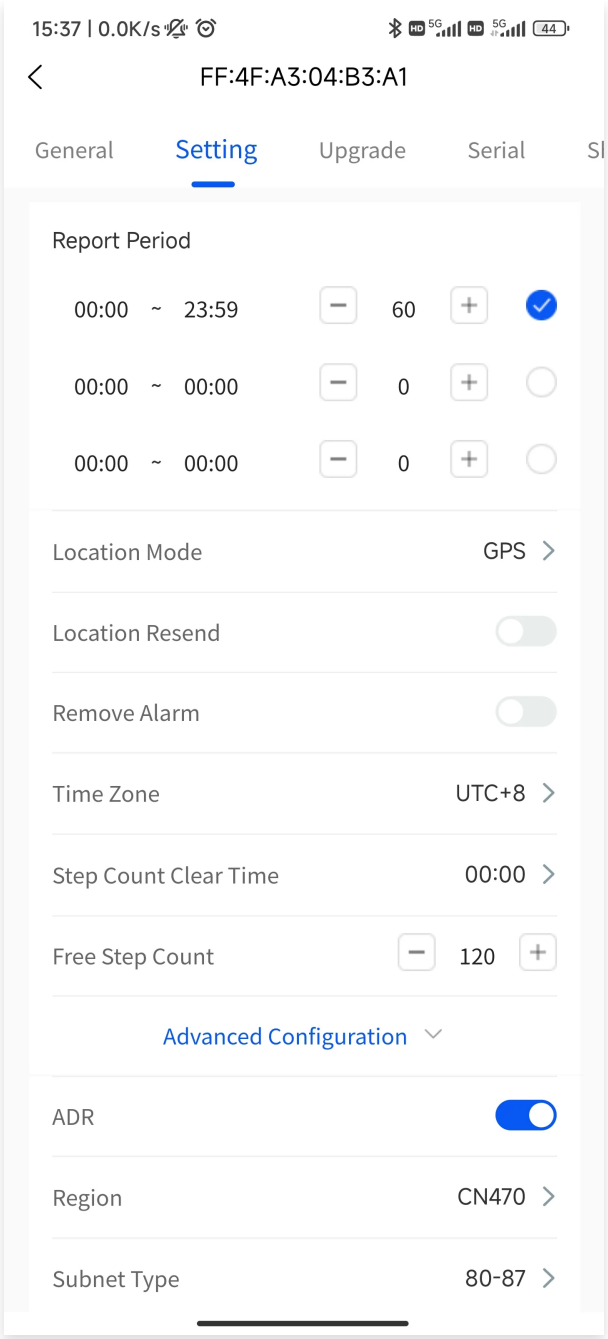
2. General

The general page includes basic information, LoRa information (displayed when the communication mode is LORA), sensor information, etc. The user can click the refresh button to refresh the corresponding information.



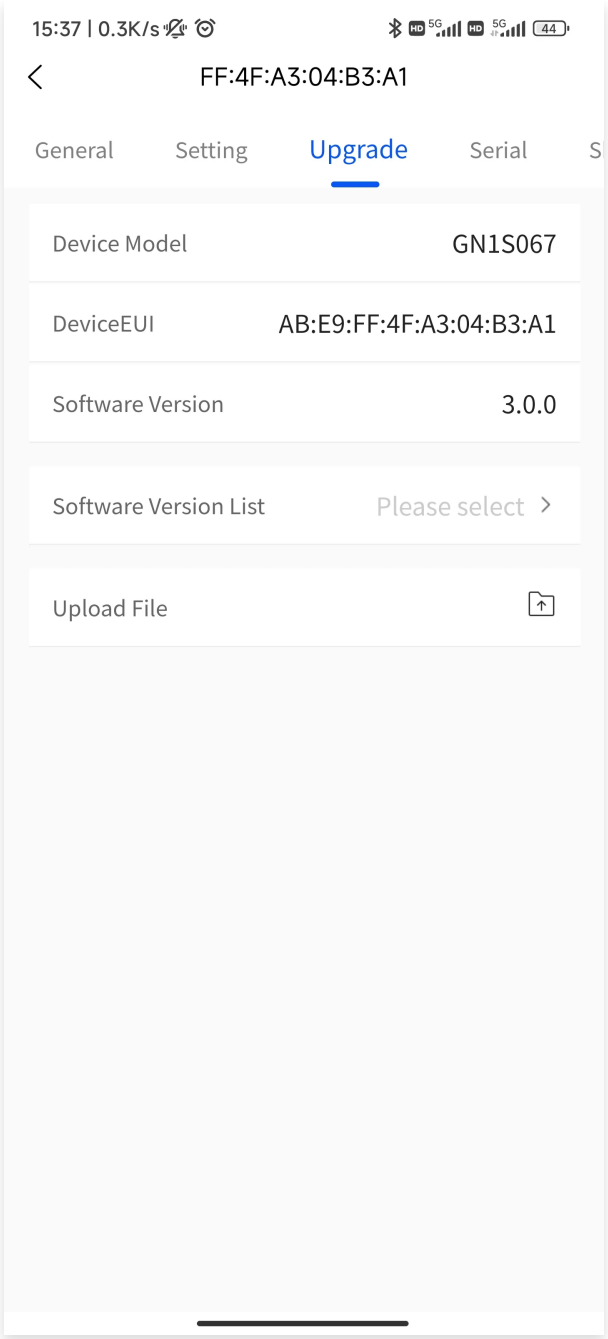
3. Setting

The setting page includes basic configuration and advanced configuration. Users can modify the corresponding parameters according to their needs, and then click the "Confirm" button at the bottom to submit the parameters for modification. And judge whether the parameter modification is successful according to the prompt of the response. Clicking the "Factory Reset" button at the bottom will initialize the parameters of the basic configuration.

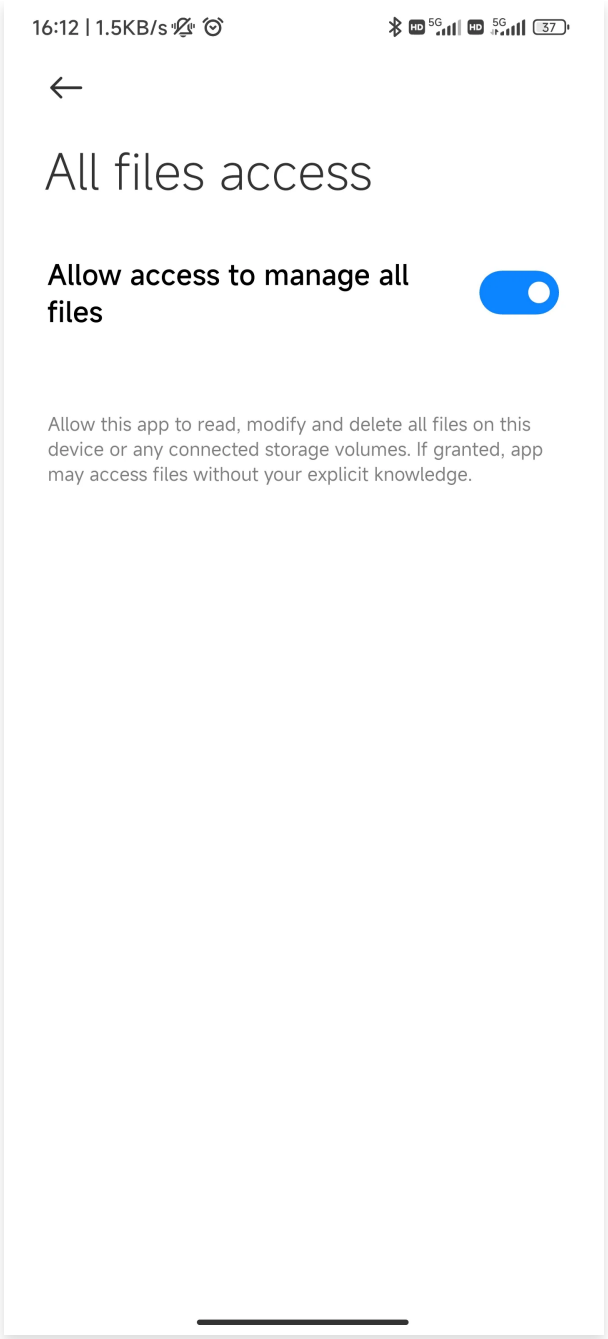


4. Upgrade

The upgrade page shows the product model, DeviceEUI and software version. And it provides two ways to upgrade the software version. Method 1: Upgrade by selecting the corresponding online version from the software version list. Method 2: Upgrade by uploading the software version file locally from the mobile phone.

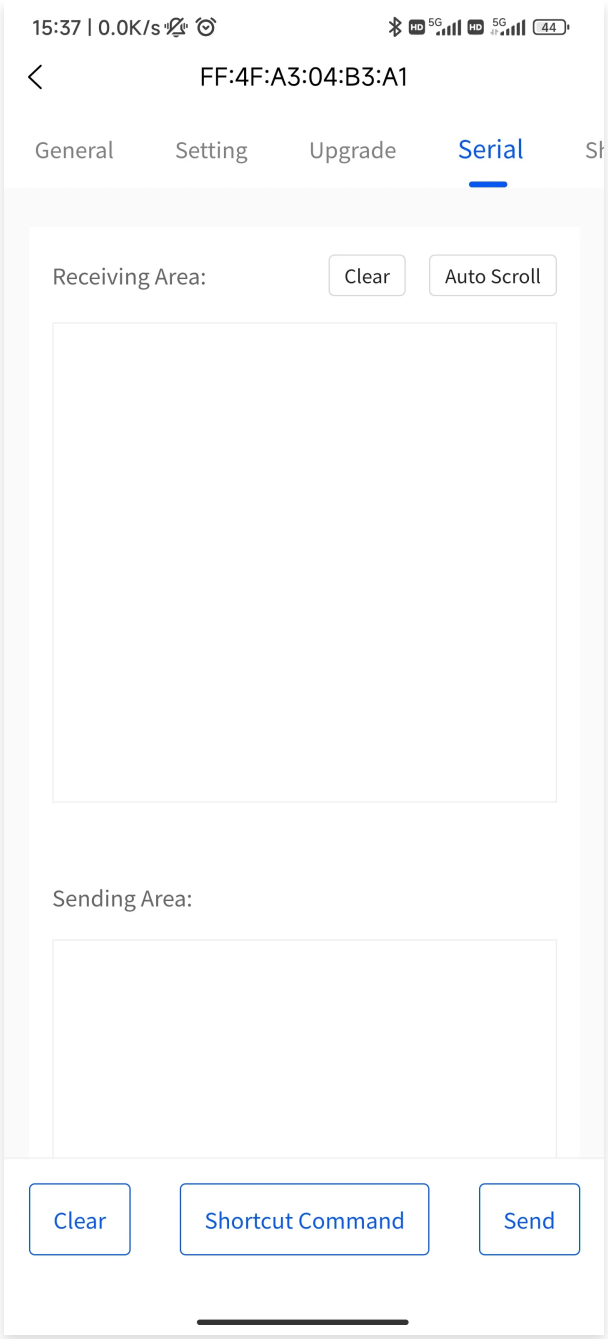


Note: When uploading files locally, some mobile phones will prompt "Failed to read file". This happens because the phone's security system restricts the App from reading files. Taking the Xiaomi mobile phone as an example, after the App has obtained the "Access and change files on internal storage" permission, it also needs to open the "Allow access to manage all files". Operation process: Settings–>Privacy protection–>Protection–>Special permissions–>All file access–>WiserSquare–>Allow access to manage all files.



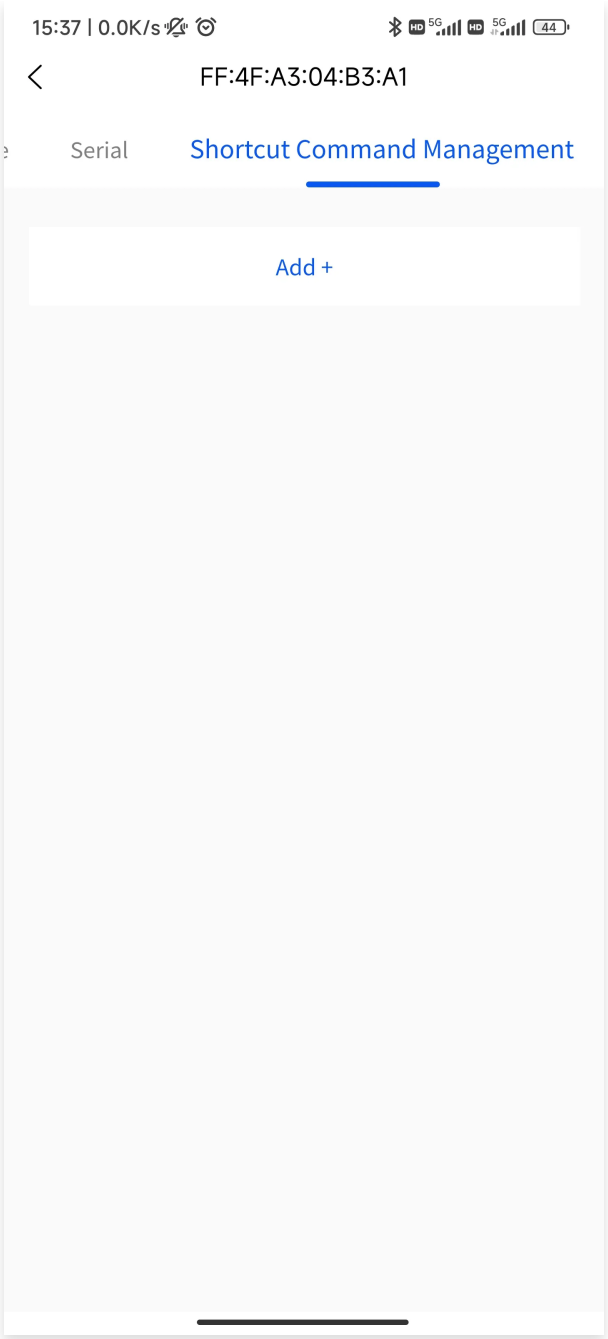
5. Serial

The serial port tool is a tool that facilitates the user to directly send AT commands to the device. The user writes the AT command in the sending area, then clicks the send button to send the AT command to the device, and can receive the response from the device in the receiving area. Click the shortcut command button to see some user–defined AT commands.



6. Shortcut Command Management

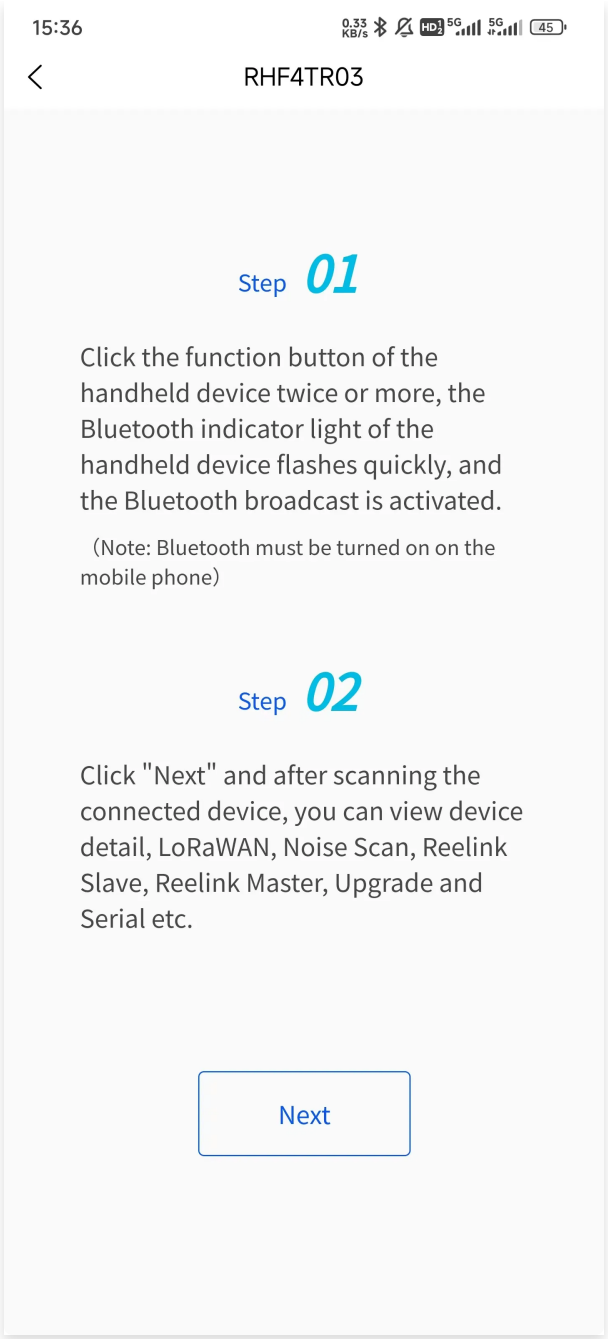
The shortcut command management page allows users to customize adding/modifying/deleting AT commands.



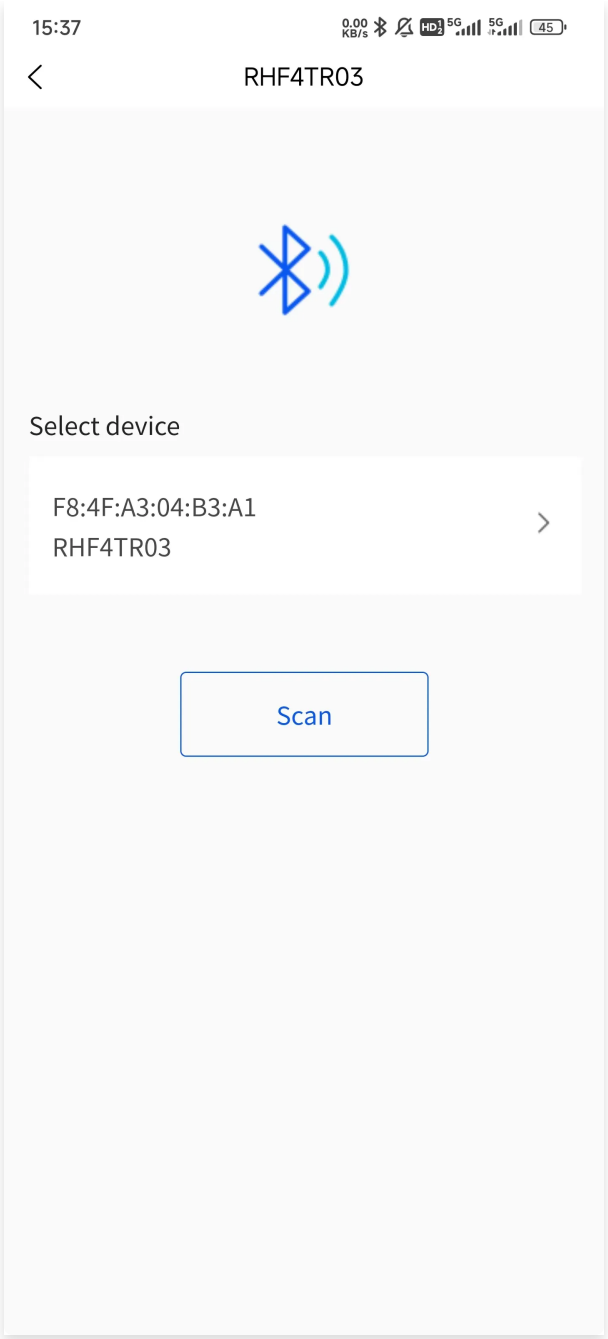
Part 4. RHF4TR03

1. Device connection

Click the RHF4TR03 icon from the home page to enter the device connection operation prompt page. Follow the prompts and click Next.

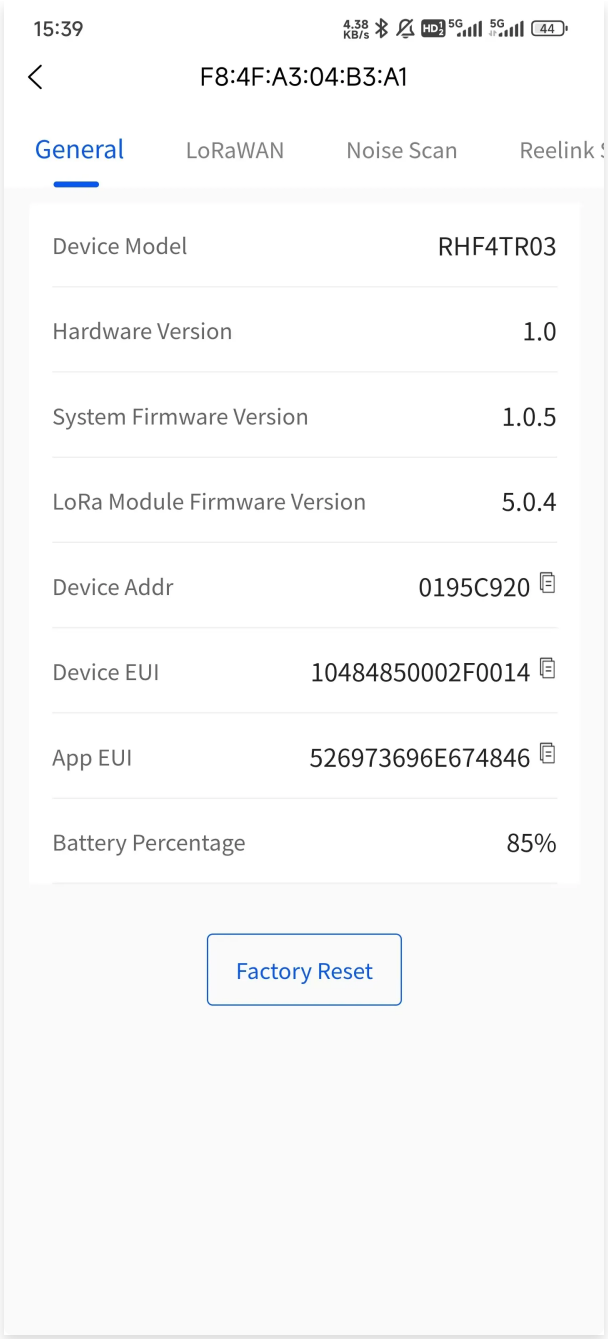


Click the Scan button to start scanning for surrounding RHF4TR03 devices. Click to select the corresponding device, and the App will start trying to establish a Bluetooth connection with the device. After the Bluetooth connection is successful, you will automatically enter the device details page.



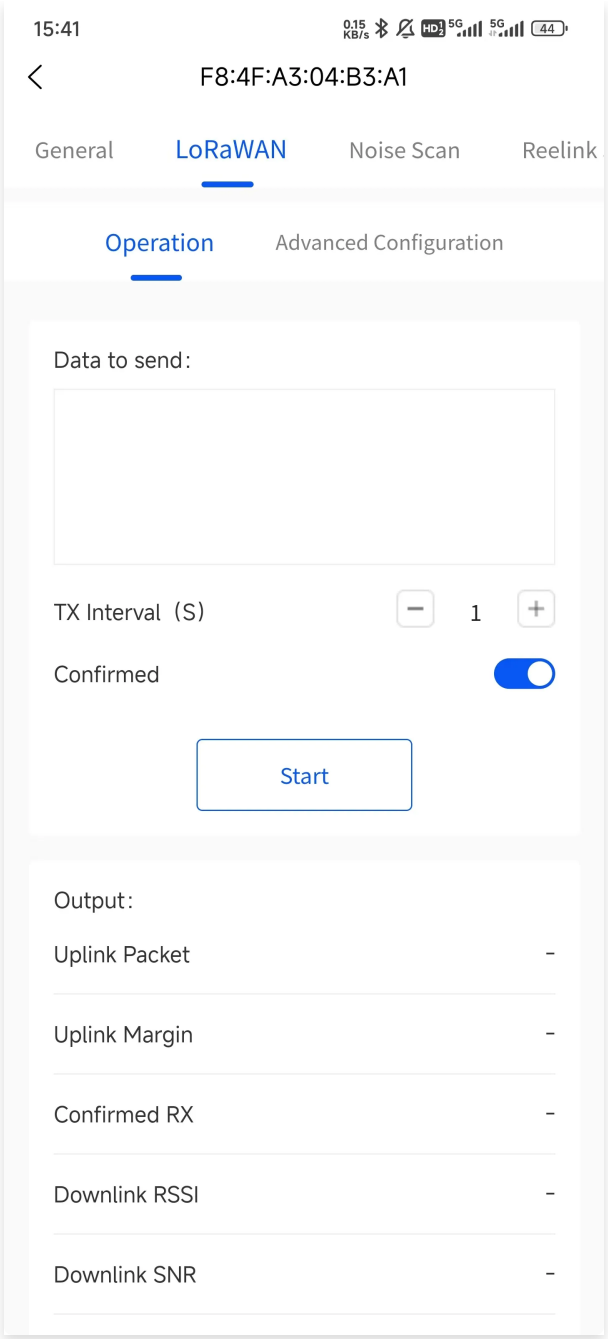
2. General

The details page contains basic information about the device, which can be refreshed when pulled down. Click the factory reset button at the bottom to initialize the basic configuration of the device.



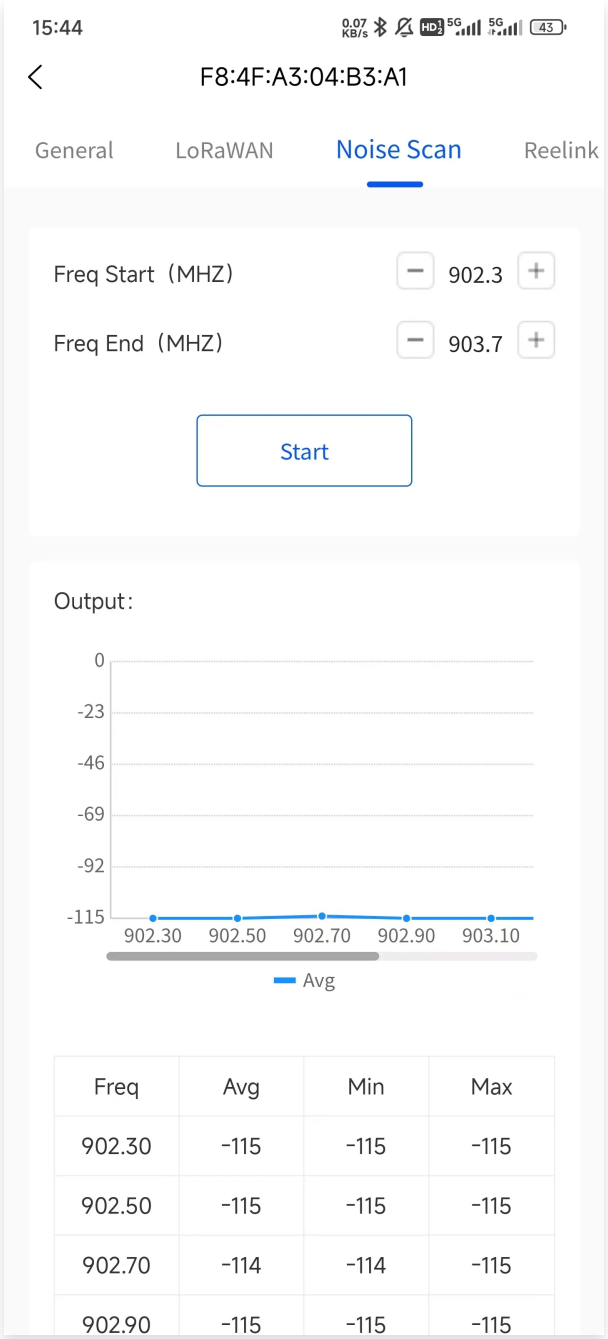
3. LoRaWAN

LoRaWAN evaluation mode is used to simulate a node device and perform communication testing and evaluation with the gateway. Device LoRaWAN parameters can be queried and modified on the advanced configuration page.



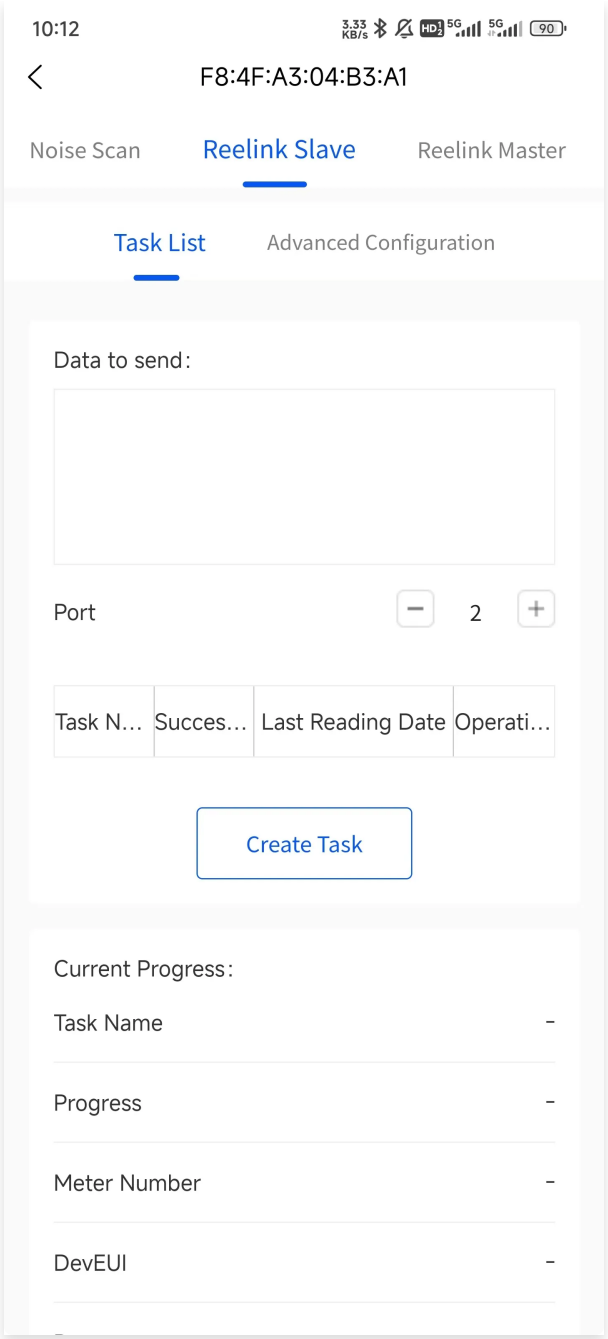
4. Noise Scan

The Noise Scan mode is used to scan to obtain the background signal strength in the environment, and the scanning bandwidth is set to 200KHz. The scan results are displayed in tables and drawings, with numerical units in dBm.



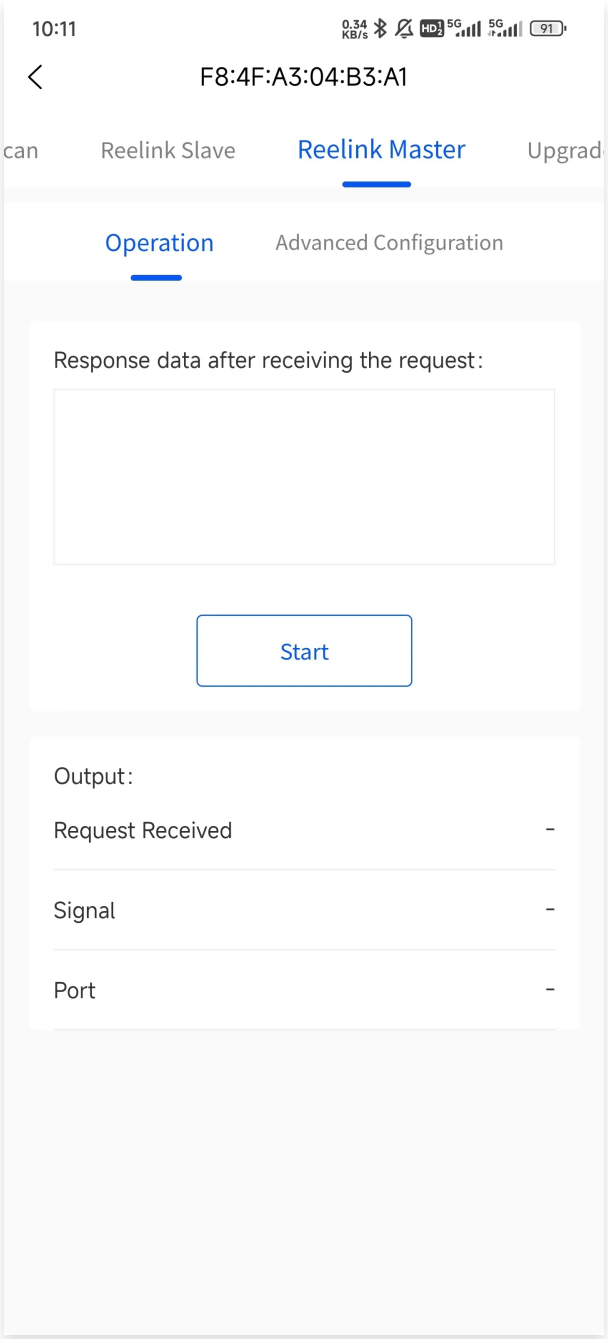
5. Reelink Slave

In Reelink Slave mode, RHF4TR03 HHU can create tasks to realize batch data reading (such as automatic meter reading) or remote setting of batch equipment parameters. The content of the sent commands can be customized by the user, flexibly realizing the required functions. Device parameters can be queried and modified on the advanced configuration page.



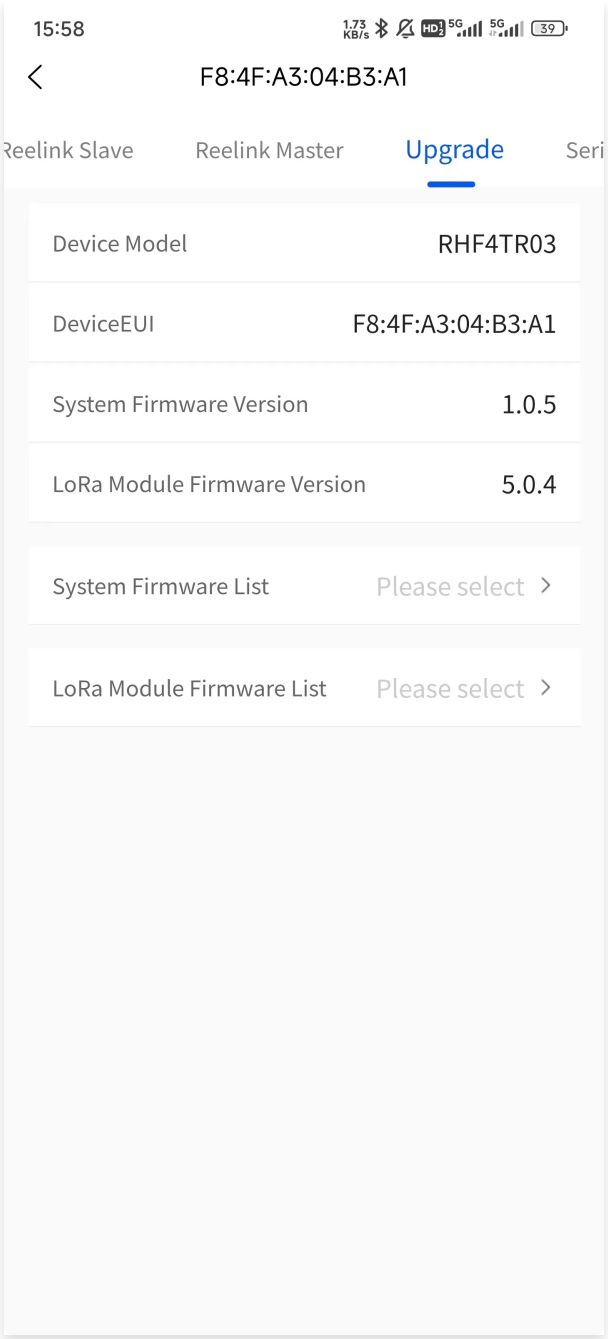
6. Reelink Master

Reelink Master mode is to simulate communication with Reelink Slave. It is generally used in test scenarios, but is rarely used in RHF4TR03. Device parameters can be queried and modified on the advanced configuration page. Pay attention to the communication parameters, which must be consistent with the corresponding Reelink slave handheld parameters.



7. Upgrade

The upgrade page displays the product model, DeviceEUI, system firmware version and LoRa module firmware version. Upgrade by selecting the corresponding online version from the firmware version list.



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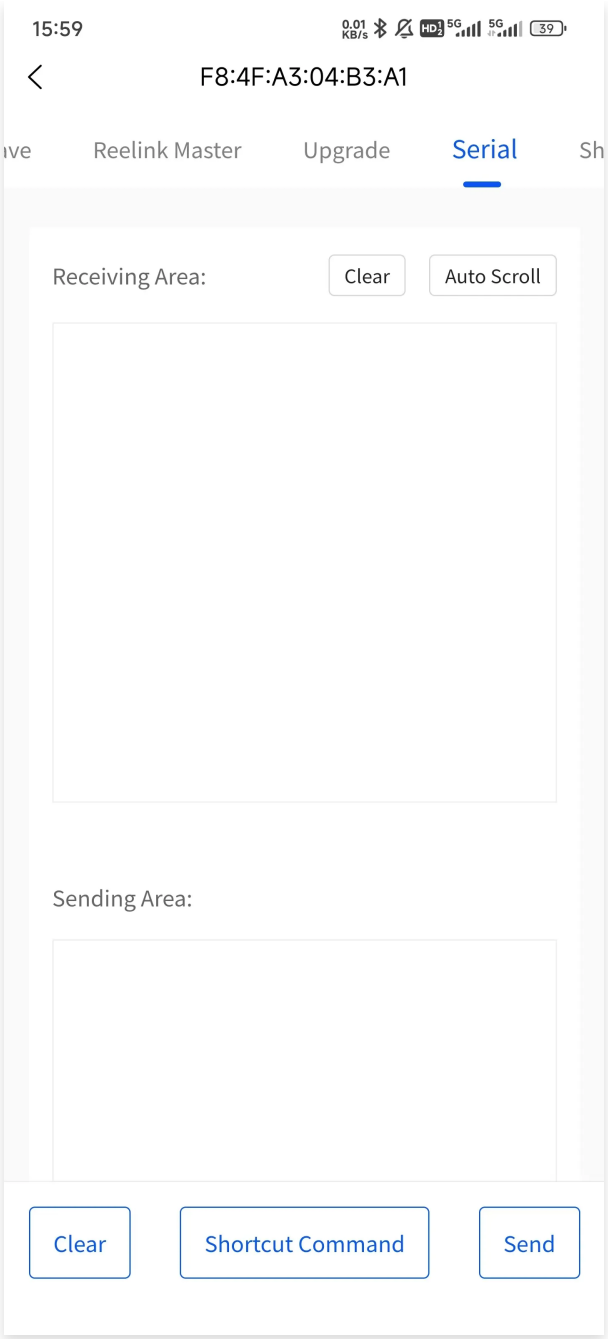

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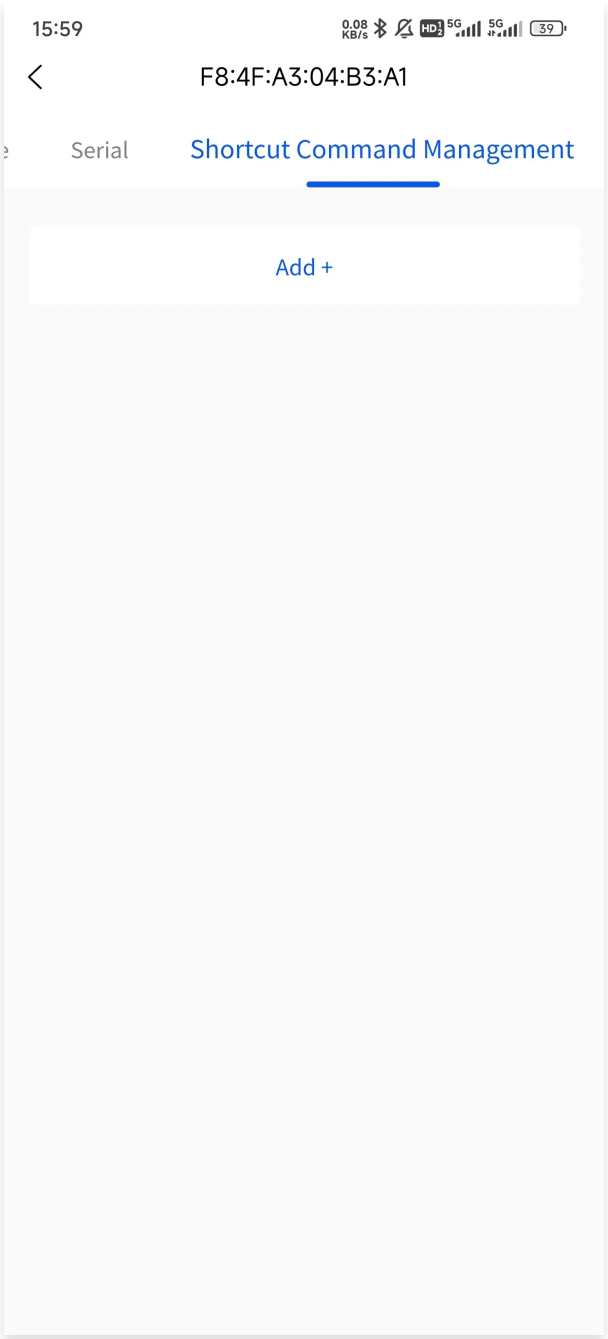

Part 5. Other

1. Device connection and Disconnection

The App establishes a connection with the device through Bluetooth. After the Bluetooth connection is successful, the App will disconnect the Bluetooth connection with the device when the following situations occur:

(Note: Situation 1 and 2 only apply to GN1S067)

Situation 1: After establishing connection with GN1S067, and if there is no active operation with the device for more than five minutes, it will trigger the disconnection of the Bluetooth connection and return to the home page.

Situation 2: When you stay on the serial port tool page to receive messages from the device, but do not actively send AT commands to the device on the App side for more than five minutes, it will trigger disconnection of the Bluetooth connection and return to the home page.

Situation 3: The mobile phone actively turns off the Bluetooth, which will trigger the disconnection of the Bluetooth connection and return to the home page.

Situation 4: When clicking the back button in the upper left corner or returning to the previous level through the operation of the mobile phone, it will trigger disconnection of the Bluetooth connection and return to the home page.