BLE LED Tag
Supporting Software Function Introduction

The software supporting the Bluetooth object-finding tag has three main functions:
1. Bind the tag; 2. Click/sweep at close range; 3. Long-distance object-finding.

Function 1, label binding action, this step is specially formulated in order to establish a corresponding relationship between physical objects (orders) and labels.

Function 2, close-range object-finding, is intended to be used when the search area is small (within 10 meters of visual range). This function provides QR code scanning or after selecting a certain label in the full list, it will actively connect to the specified item label and send an audible and visual reminder. This function is a single reminder search (the length of the reminder time can be set, 3-20 seconds).

Function 3, long-distance object finding, is intended to be used when the search area is large (above 100 square meters). On the APP side of the smart tablet, enter the "Long-distance Finding" menu, select a certain tag, and make a prompt according to the RSSI value of the tag; until the RSSI is greater than -70db (about 3-8 meters away), connect the tag device and The sound and light prompts are sent in a loop until the APP clicks to end the search and the object is found.

➢ **Software main interface：**
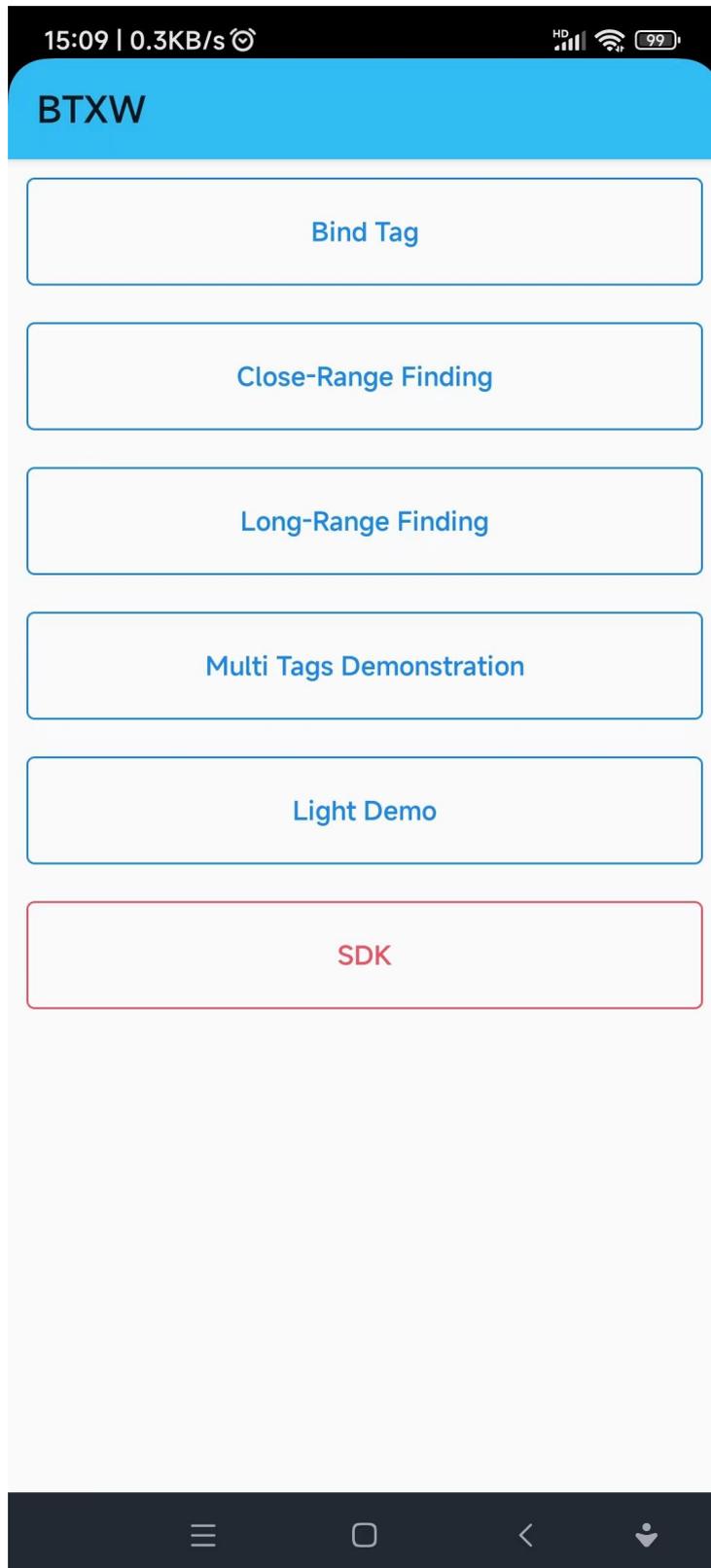
➢ **Bind tag：**

First of all, you need to correspond to the label corresponding to the bound item. After the label is attached to a certain item, the mobile phone is close to the label and click the "Select Label" menu. After waiting for 5 seconds, select the label with the largest RSSI value in the list (the label name defaults to RemindTag), the selected tag will keep flashing to confirm the selection, then enter the item name, and the customized item number (to facilitate subsequent scanning and selection), and click "Complete Binding".
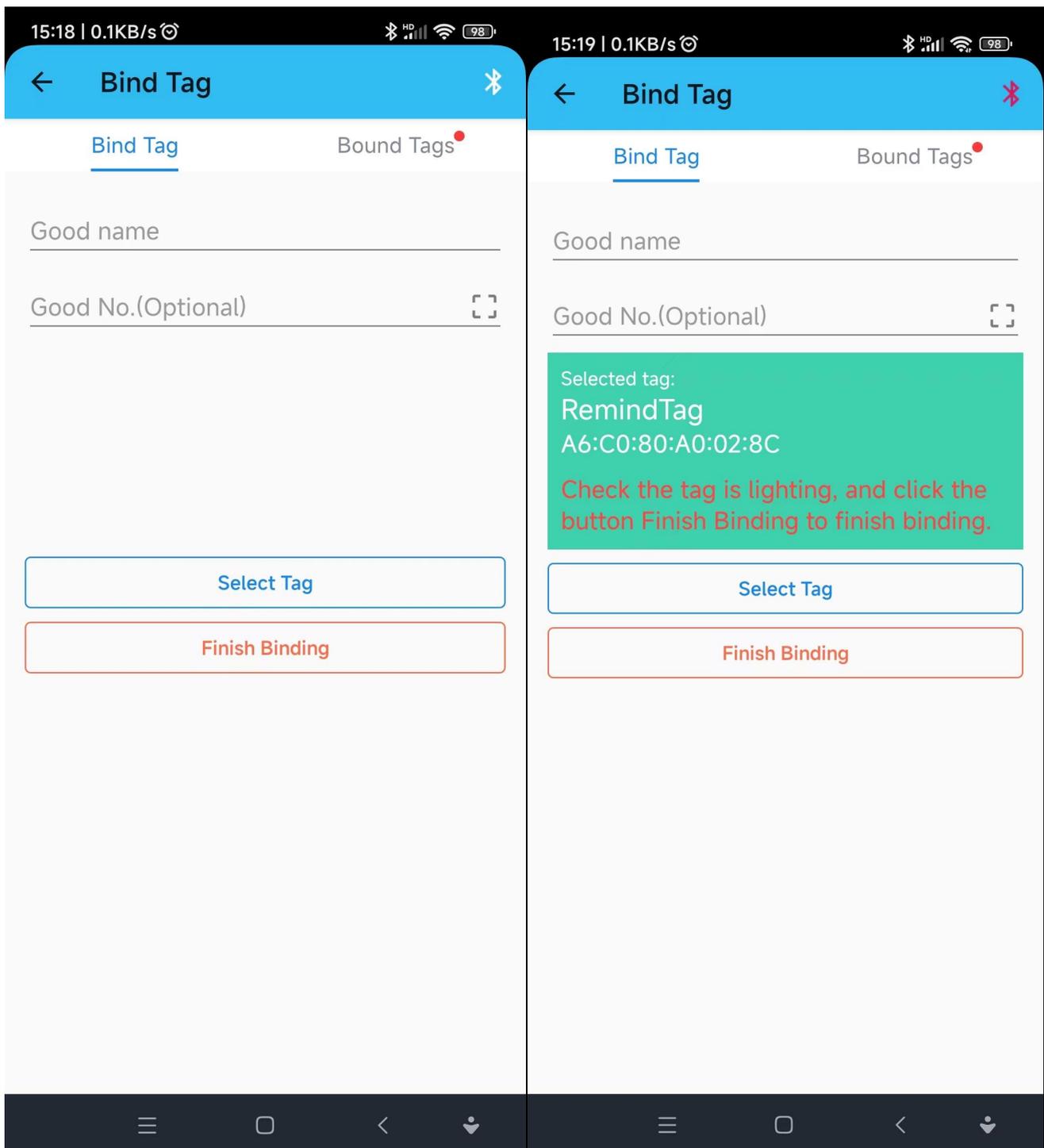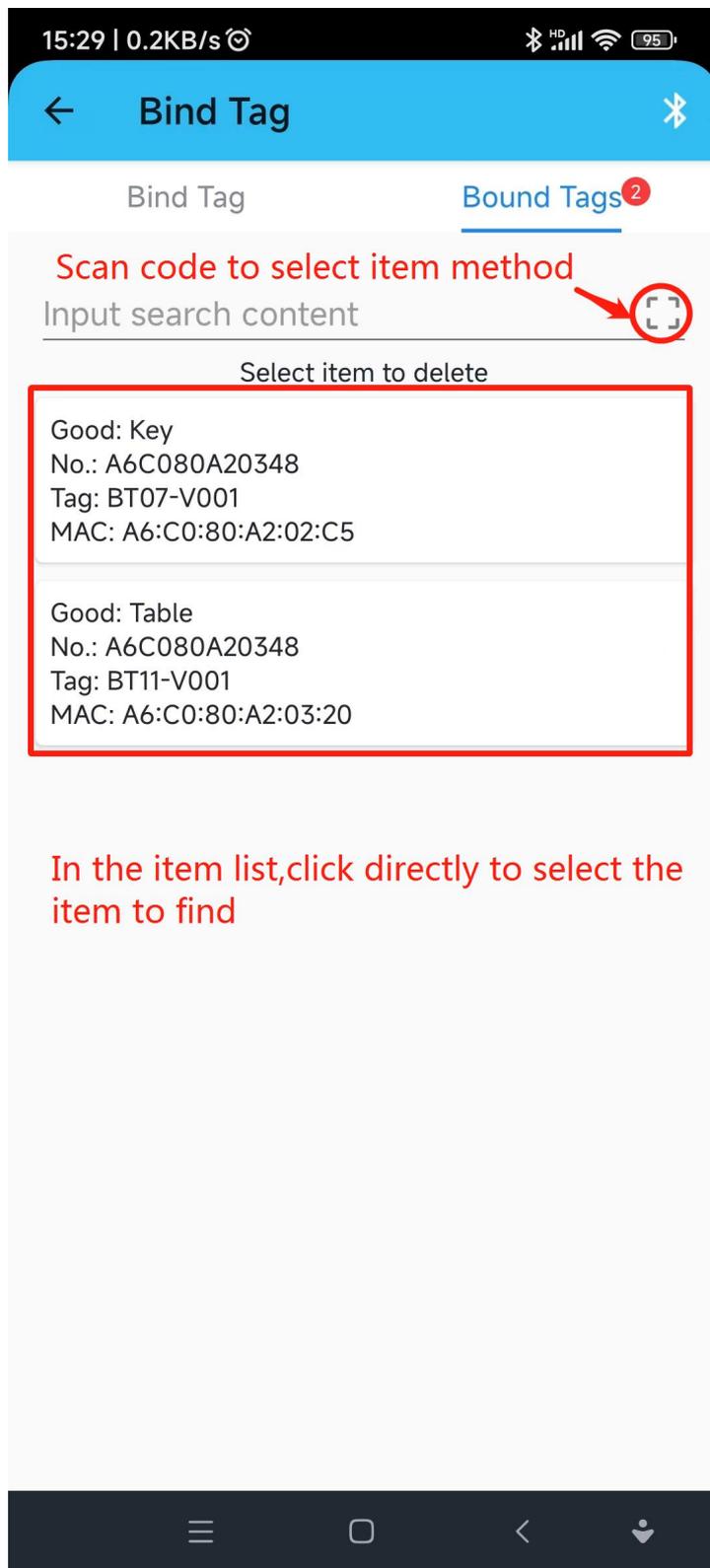
See an example of a bound label：
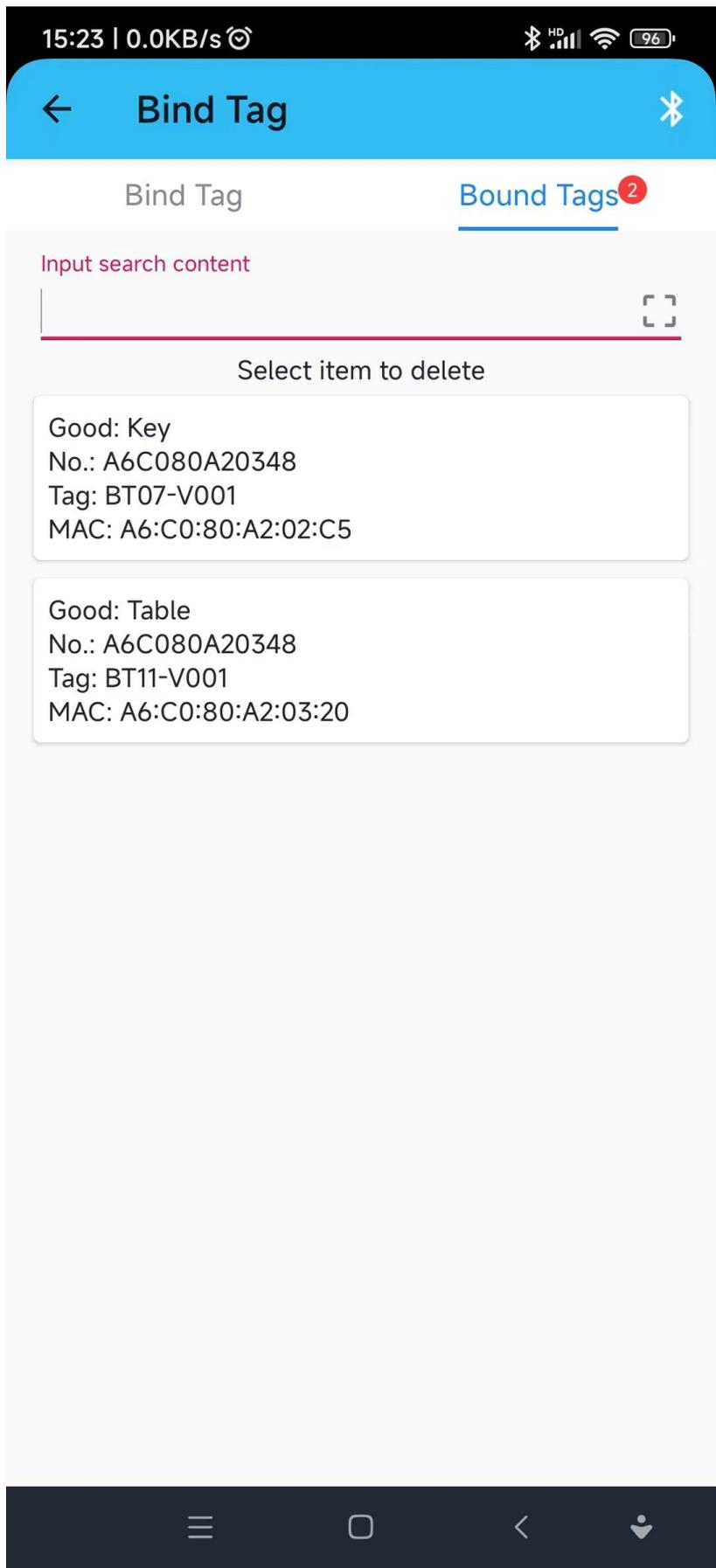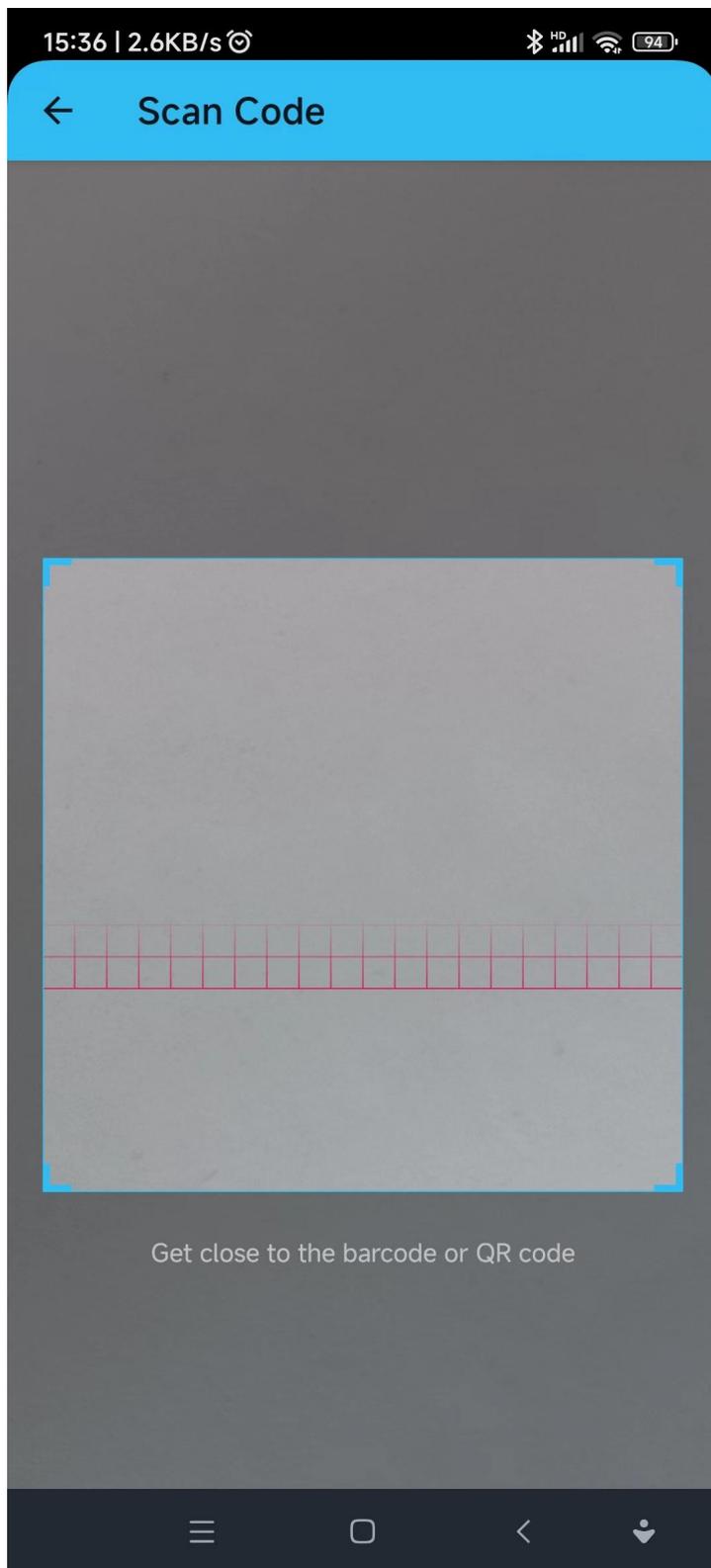
> ## Click to find objects：

After entering the long-distance search or short-distance search menu, you can choose to find objects by clicking or scanning.

➢ **Scan barcode/QR code to find objects：**

After clicking the small scan code icon, scan the specified barcode or QR code corresponding to the item ("item number" in the binding step).

➢ **Scan barcode/QR code to find objects：**

➢ Find objects in close range：

After selecting an item, enter the following interface. The small circle icon in the upper right corner indicates the status of the item being searched (red if successful, gray if not found). Click the "One-time Find" menu successfully, and the label on the item will be displayed. The corresponding flashing indicator light (the duration of the prompt can be changed from 3 to 20 seconds).
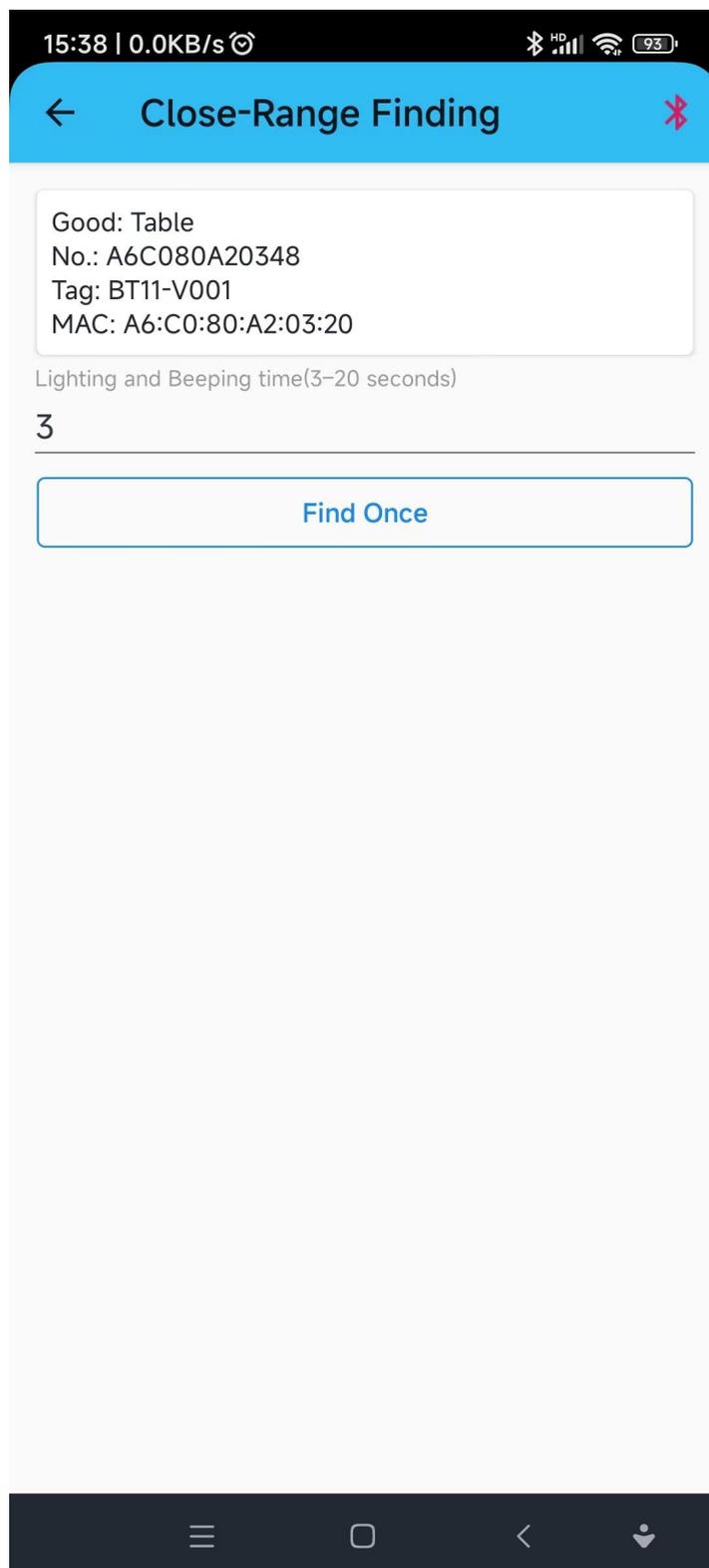
➢ **Find objects in far range：**

After selecting an item, enter the following interface, click the "Start Finding" menu, and the current signal value will be continuously updated as shown in the figure on the right. When facing the direction of the item, the signal value is relatively large, and the opposite signal value is smaller. When it is about 3-8 meters away from the item, the signal value will be greater than -70dBm, and the small Bluetooth icon in the upper right corner will be displayed in red. At this time, the label on the item will keep flashing the indicator light (the prompt will end after 3 seconds).
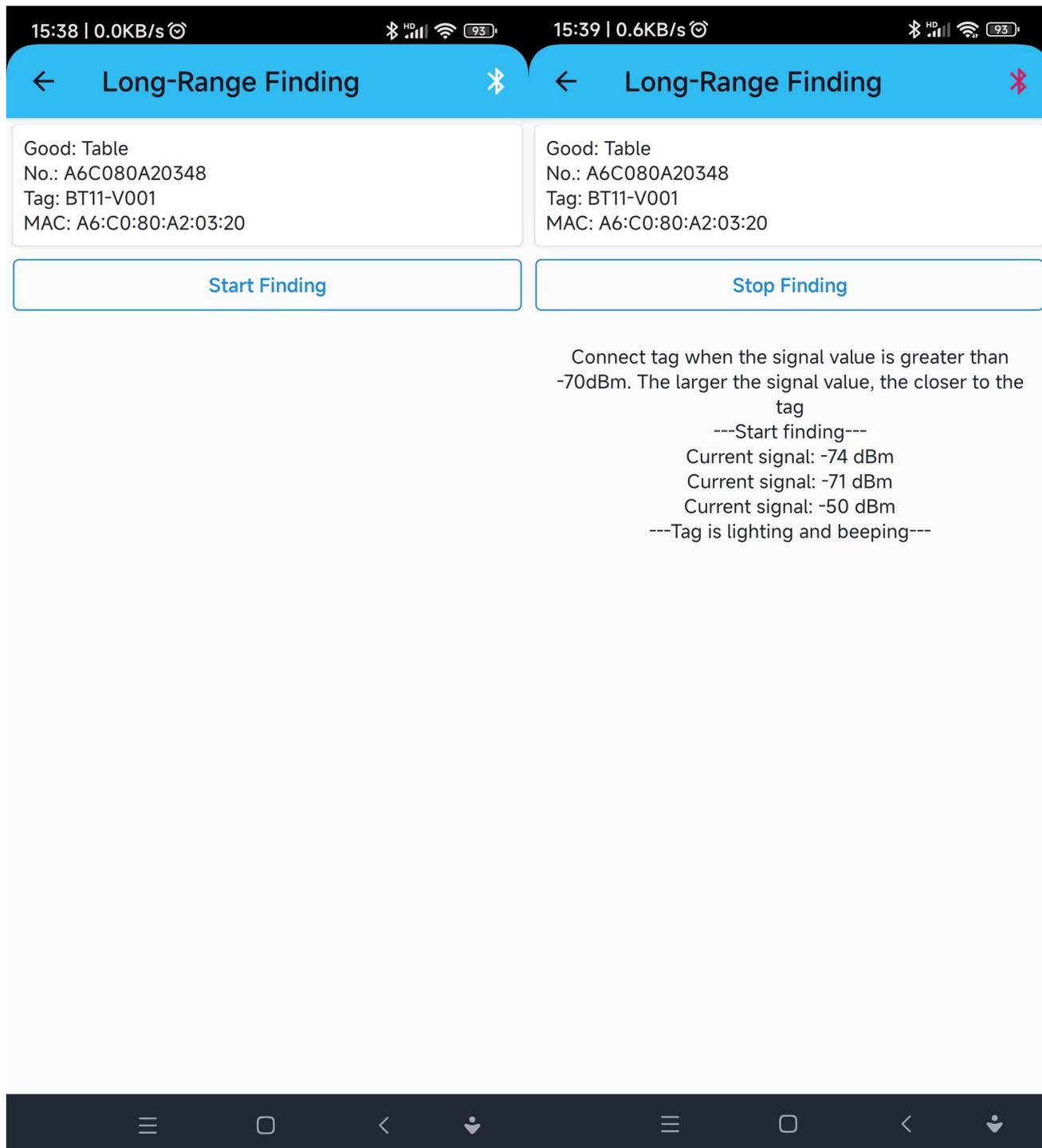
➢ **Label development and testing：**

This function is a test function specially developed for customers to develop by themselves, which is convenient for customers to develop auxiliary tests by themselves.

BT01 lit-up	⟹	Lighting(BT01)
Device beeps	⟹	Beeping
BT07 lit-up	⟹	Two Lighting(BT07)
BT11 lit-up	⟹	Multiple Lighting(BT08&BT11)

Effective seconds   5

Normal Operation

Get Mac

Get Version

Get Power

Function item

Get Time

Get Name

Get Transmission Power   ›

Get Ble Broadcast Interval(ms)

15:42 | 1.4KB/s ⏰	✳ ᴴᴰ📶 📶 92

BTXW ✳

Get Mac

Get Version

Get Power

Get Time

Get Name

Get Transmission Power ›

Get Ble Broadcast Interval(ms)

Set Ble Broadcast Interval

Unlock Functions After Authentication

Authenticate

Adjust Time please auth

Set Name please auth

Set Transmission Power please auth ›

Shut Down Device please auth

Function item

Verification

Time calibration

setting name

Setting power

Device off

FCC Caution

§15.19 Labelling requirements.

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.

§15.21 Information to user.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

§15.105 Information to the user.

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 theequipment 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.

*RF warning for Mobile device:

This equipment complies with FCC 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.