

EE-BTD-V1 User Manual

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0. Revision history

Revision	Date	Author	Description of change
1.01	2025-10-20	Martin	Initial

1. Introduction

1.1. EE-BTD-V1 Introduction

The EE-BTD-V1 is a Standard BLE 5.1 beacon. It is designed for tool tracking, as well as asset tracking and management in logistics and warehouses.

When worked with Queclink's tracking devices, it enables real - time asset monitoring.

EE-BTD-V1 requires no installation and can be connected to the tracked object via a keychain.

1.2. APP for Customer

EthosApp is a tool APP developed by Queclink, with the Application you will be able to scan for visible EE-BTD-V1 devices, check their statuses or connect for configuration.

2. Activate the device

2.1. Sleep mode

EE-BTD-V1 is shipped in sleep mode, which means it is in standby mode and it will not broadcast any BLE data when shipping from the factory, in order to preserve the battery life.

2.2. How to activate

Press and hold the device button for 3 seconds to activate the device. At the same time, the LED light flashes 3 times, and the buzzer beeps 3 times. It indicates that the EE-BTD-V1 has been activated successfully.



2.3. LED Indicator

When the device is activated, the LED will blink 3 times.

When the device has been activated, press the button briefly, and the LED will flash once, indicating that the device is in activation mode.

2.4. Buzzer Indicator

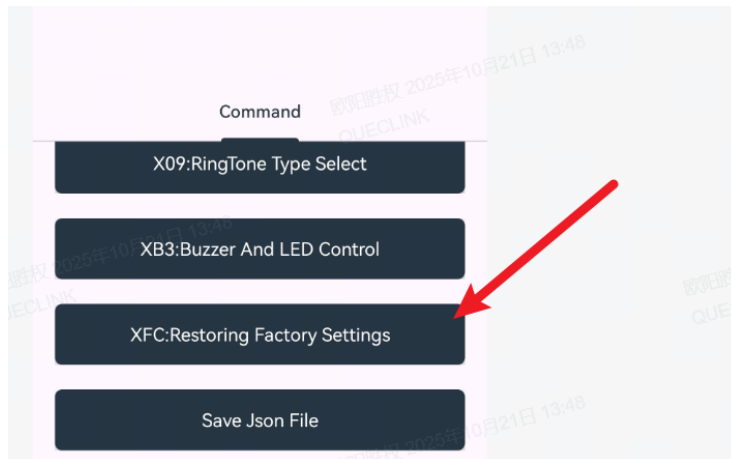
When the device is activated, the Buzzer will beep 3 times.

The device will ring only when it receives a ring command.

3. How to Factory Set

3.1. Software reset

To return the beacon device to sleep mode after accidental activation or to pause its use temporarily, you can choose to confirm “Restoring Factory Settings” in the APP after connecting the beacon device in the APP.

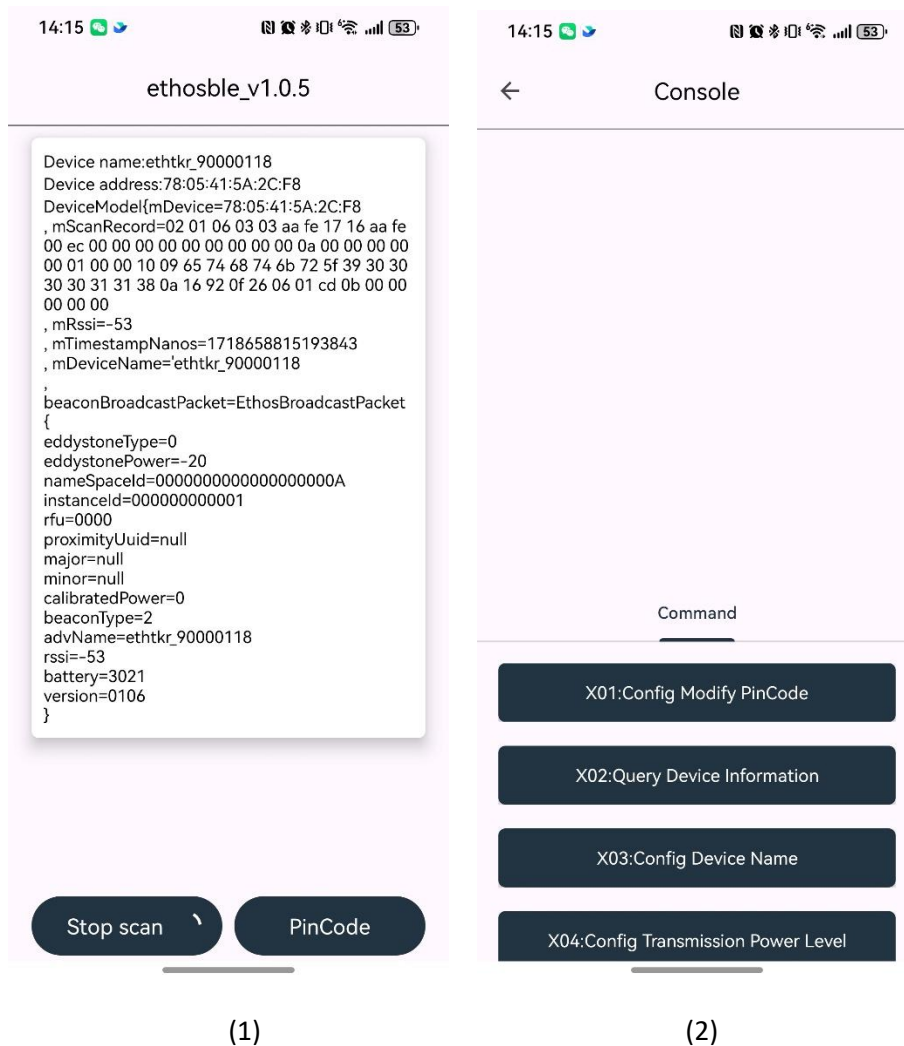


*Note: If the device confirms to enter factory setting, the device will be in sleep mode, and the configuration will restore factory settings including device name, power signal, protocol, advertising interval and the PIN code according to the customer's factory setting.

4. EthosAPP

EthosApp is an internally configured tool used to configure the PIN code, device name, broadcast power, broadcast interval, broadcast type, iBeacon configuration, Eddystone configuration, Buzzer and LED configuration, and restore factory settings of the EE-BTD-V1 device.

4.1. APP Overview



(1) **Device List:** In this interface, you will be able to see all the visible EE-BTD-V1 devices nearby. You can click to start scanning, stop scanning, and configure the PinCode.

(2) **Device Configure Homepage:** In this page, you can configure the device and save the settings to the device. You can also issue real-time command for LED blinking and buzzer ringing.

***Note:** Modifying these parameters may affect the standby time and consumption.

4.2. Default Setting

Items	Default value	Remarks
Device Name	ethtkr_1xxxxxxx	xxxx: Each device uses a unique ID.
Broadcast power level	0dBm	0dBm is default power level
Broadcast protocol type	iBeacon & Eddystone	Alternate broadcasting
Broadcast Interval	650ms	650ms is default value
iBeacon	N/A	Configurable by customer
Eddystone	N/A	Configurable by customer
PIN code	123456	Configurable by customer

***Note:** Customers can define the default values according to their own needs.

5. Device Installation

The device is installed and connected using a metal ring.



6. FCC Statement

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.