

New features of the 3.3 version Beacon firmware

Improved Security

Add the brute force prevention measures of the password: Beacon would lock automatically when the input password error consecutive for ten times. The default lock time is half an hour, and the lock time can be dynamic configured up to ten hours.

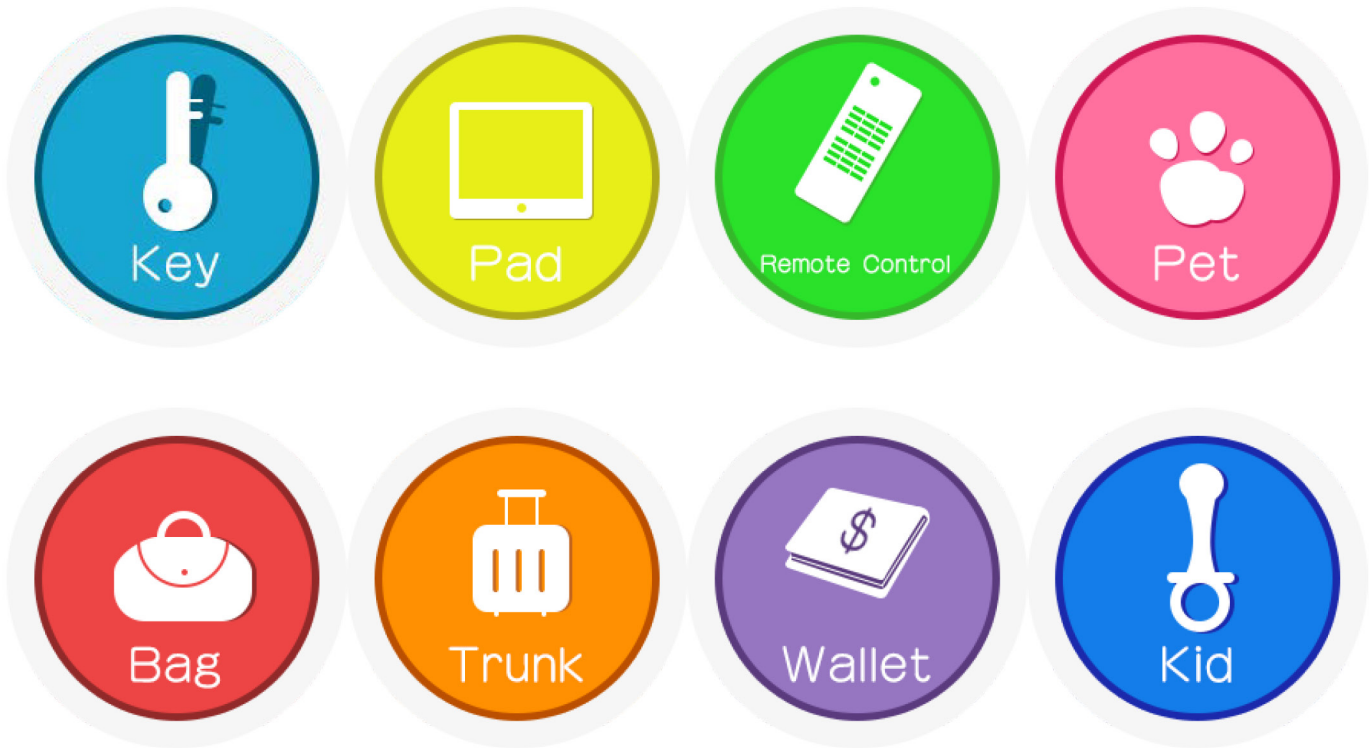
Connection Time Limit

Limiting the user's connection time, and the longest is within five minutes.

Introduction

Jaalee offers complete indoor Bluetooth BLE solutions for indoor navigation with beacon tag hardware and open Interface to support any indoor navigation deployment. We offer stand-alone tags and services or complete professional services, engineering, and custom beacon tag designs. You can do everything you want without any limit of us. For the development documents matters, please contact us.

JAALEE Beacon is a small BLE device which can be stuck on the items you want to track such as keys, pets, children, toys and so on. You can locate them with your ios devices which support BLE 4.0. The Beacon will alert you with buzz. We offer stand-alone tags and services or complete professional services, engineering, and custom Beacon tag designs.



Product Details

Jaalee Beacon is developed and produced based on BLE 4.0 and Beacon has the same housing as Beacon.

It can work as an independent system. For developers, we provide the Android and IOS SDK, and our hardware interface developed completely by us, so the developers can develop it without using SDK. For iBeacon agreement, all of the parameters can be reconfigured, including Proximity UUID, Major, Minor and Power. In order to meet different customers' needs, broadcast interval can also be set, which ranges from 100 ms to 10 s. Besides, hardware transmitted power can be configured, configurable range is 4 dBm to -40 dBm. Low cost customizing housing would be provided to potential customers.

JAALEE Beacon is developed and produced based on BLE 4.0. The JAALEE Beacon module is a circuit board. It can work as an independent system. For developers, we provide the Android and IOS SDK, and our firmware interface is completely open, so the developers can develop their Apps without SDK. In order to meet different needs of customers, broadcast interval can also be set, which ranges from 100 ms to 10 s. Besides, hardware transmitted power can be configured, configurable range is 4 dBm to -40 dBm. Low cost customizing housing would be provided to potential customers.

Features

- Modes can be switched freely.
- Built-in Beacon firmware. Compatible with BLE.
- Accurate digital RSSI. Excellent link budget (up to 97dB).
- Enable remote application, AES security coprocessor.
- Ultra wide range transmission power: 4dBm— -40dBm.
- Stable performance and controllable state.
- All hardware interface completely open. Developers do not need to rely on the SDK for development. The requirement of hardware interface can be customized (achieved a certain number).
- All the parameters can be configured (UUID, Major, Minor, Measured Power, TX Power, etc.). Encrypted parameter, a password is needed when access to configure.
- Provide IOS and Android SDK.

- Apple iBeacon certified.
- Support “SLEEP” and “WAKE-UP”.



Jaalee Beacon Parameter Default Setting

- UUID: EBEFD083-70A2-47C8-9837-E7B5634DF524
- Major and minor identifier: 0x0001, 0x0001
- Default pairing password: 0x666666
- Power Value: 0xCB
- Broadcast Interval: 0x0A
- It can be rang when starting or wake-up.
- The default mode is sleep.

How to Start Using

Step 1: Download the latest version eBeacon software (version 1.5.0) from apple store.

Step 2: Open the Bluetooth and eBeacon software.

Step 3: Tapping the Beacon for three to five times on hard things. Beacon can be

connected at this moment when you heard buzzing.

Step 4: Click on the Beacon in the eBeacon software that need to configure, and enter the password to connect.

