TELTONIKA | Telematics

BTSID1
BTSMP1

Bluetooth beacon and sensor

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CONTENT

INTRODUCTION

This document provides short instruction how to configure BTSID1 Beacon or BTSMP1 Senor and FM tracker. During the use if you will have any questions or suggestions for improvement please feel free to contact yours Teltonika account manager or write to technical support team over VIP helpdesk.

Wireless solutions open up new horizons for your business and help to keep an eye on your assets. Discover our brand-new and certified Bluetooth Low Energy ID beacon and sensor models from Teltonika with robust waterproof casing and a long-lifetime battery. The models designed for a low-cost fast and easy configuration and integration to save precious time, resources, and ensure accountability.

About BTSID1:
Perfect for traceability use cases, delivery tracking, monitoring of various movable objects in logistics (trailers, containers), agriculture (tractor attachments), and constructions (tools and inventory). Also, it suitable for indoor tracking solutions for items tracking in warehouses, hospitals, transport hubs and other types of industrial areas. EYE beacon supports iBeacon and Eddystone protocols. The device is fully compatible with the Teltonika firmware platform which provides extended functionality.

About BTSMP1:
Perfect for traceability use cases, delivery tracking, monitoring of various movable objects in logistics (trailers, containers), agriculture (tractor attachments), and constructions (tools and inventory). Sensors data makes it especially suitable for cold chain refrigerator use cases. The built-in accelerometer can detect item movement or fall events. Magnet detection can be used for wireless open/close detection and notifications such as trailer door events, etc. EYE sensor supports iBeacon and Eddystone protocols. The device is fully compatible with the Teltonika firmware platform which provides extended functionality.

KNOW YOUR DEVICE

MOUNTING HOLES

MEMBRANE
ONLY WITH
BTSMP1 SENSORS
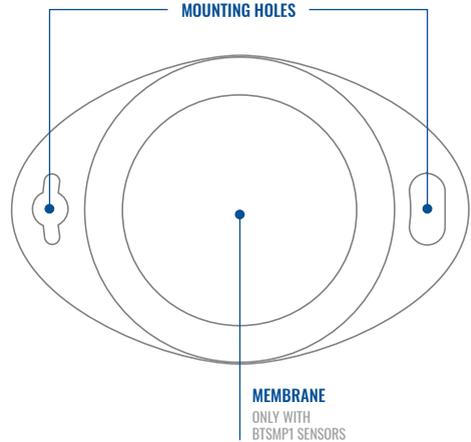
What you get:
- Bluetooth **BTSID1 Beacon or BTSMP1 Sensor** designed for easy & fast configuration and integration.
- Quick Manual
- Mobile application for Android and iOS* phones. Configure, scan, and update anytime anywhere with a EYE APP - Teltonika.

*iOS doesn't show devices with iBeacon protocol

CONFIGURATION

Devices work constantly and are ready to perform out of the box. Default basic Eye Beacon and Sensor settings are set to:
• Transmitting at 2 dBm power.
• Data advertising at 3 second intervals.
• Eddystone protocol

If you would like to change these settings you will need to:
1) Download and install EYE APP - Teltonika application to change sensor settings.

GET IT ON
Google Play

Download on the
App Store

*iOS doesn't show devices
with iBeacon protocol

With the application you will be able to scan for visible Teltonika EYE devices, check their statuses or connect for configuration or firmware update.

Devices in view:

① Short list On/Off

② Detailed view On/Off

③ Search
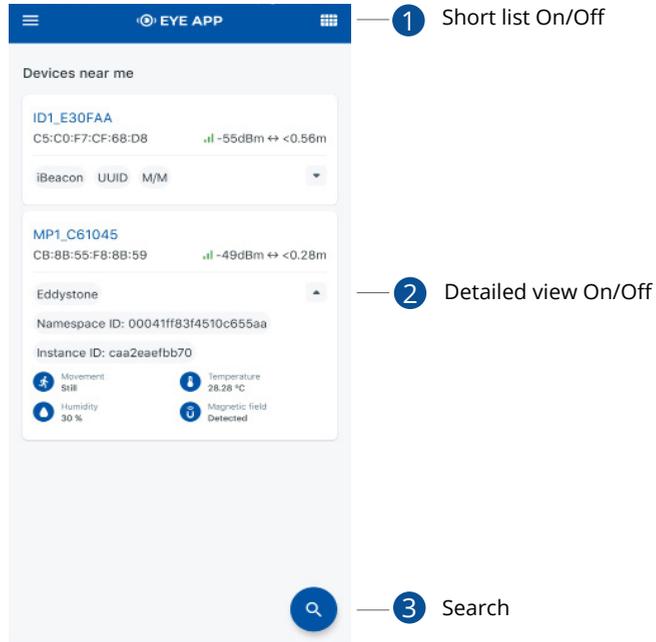
In this window you will see all visible devices. You have options to see devices in Short list (1) or in default list. When looking at devices in default list you will be able to open Detailed view (2) of devices and check transmitted data statuses. Additionaly if you are looking for specific devices you will be able to use Search (3) function to filter search options. When in this window select a device of your choice to connect and after passing pin code you will go to device overview window.
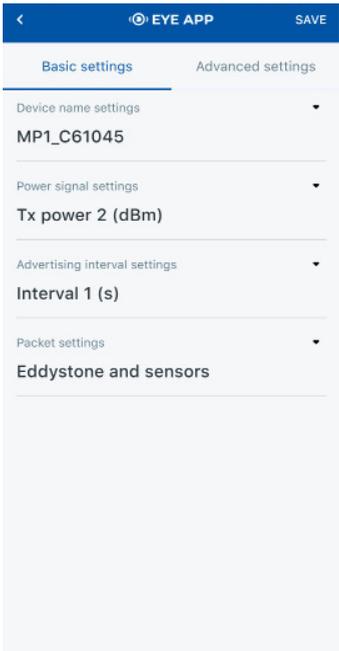
Overview window

1 Device details

2 Firmware version

3 Device configuration
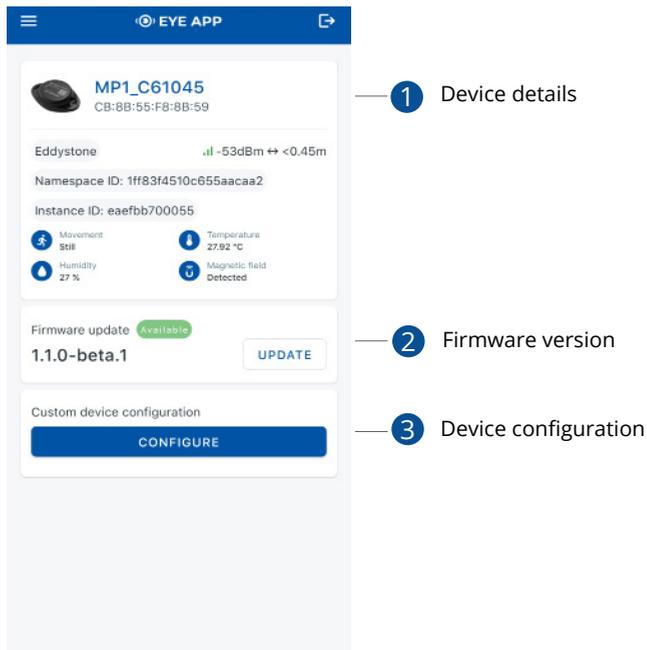
In overview window you can see device details (1), check firmware version and update if available (2), go to device configuration settings.

 If you select to Configure (3) device new window will open with Basic and Advanced settings.

Configure window

Save configuration

Configure Basic Settings — 2

Select to configure Advanced settings.

Configure device broadcasted name — 2.1

Configure signal strength — 2.2

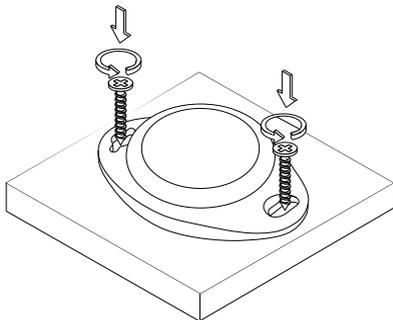Configure device advertising interval — 2.3

Packet settings — 2.4

In this window you can check and change device configuration settings. In main tab Basic Settings (1) you can change main settings. Change Device name (2.1), Power signal strength (2.2), Advertising interval (2.3) and Packet (2.4) transmision type. For more settings go to Advanced settings (3) tab to enable various events.
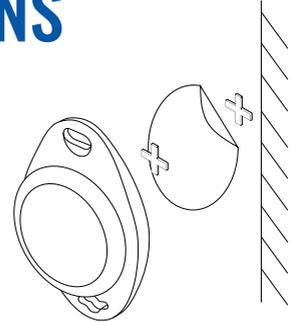
MOUNTING RECOMMENDATIONS
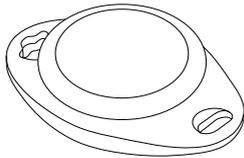
1 Placing: Directly place the monitor on the surface such as table, shelf

2 Using the adhesive sticker: Remove the release liner from one side of the adhesive sticker to stick it on the back of the device, then remove the release liner from the other side to stick it at the desired place on the wall

3

Using screws: Place device on the surface and secure it to the surface using two screws
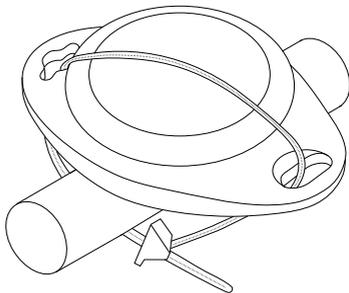
④ Ziptie: Lead ziptie thru both device holes and around an object you want device secured to
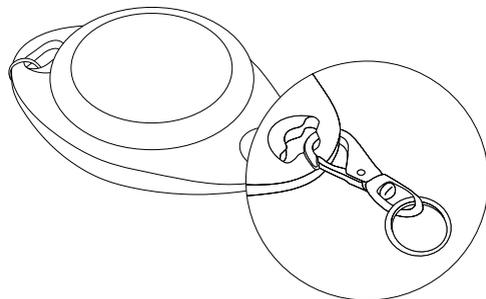
⑤ Hanging: Attach lanyard's snap hook to one of the holes

Note: Adhesive sticker, screws, lanyard, zipties are not included and sold separately

PRODUCT INFORMATION

Dimensions and weight

Dimensions	56,6 x 38 x 13 mm (L x W x H)
Weight	18 grams

Technical specifications

Technical specifications	EYE BEACON	EYE SENSOR
Model	CR2450	CR2450
Type	Lithium, Manganese Dioxide (Li/MnO2)	Lithium, Manganese Dioxide (Li/MnO2)
Total Capacity	620 mAh	620 mAh
Replaceable	No	No
Battery life (Tx=2 dBm; interval: 3 s)	5+ years	2.5+ years
Battery life (Tx=2 dBm; interval: 10 s)	10+ years	5+ years
Microcontroller	ST Microelectronics BlueNRG-2	ST Microelectronics BlueNRG-2
Bluetooth	Bluetooth 4.2 compliant, Bluetooth 5.2 certified	Bluetooth 4.2 compliant, Bluetooth 5.2 certified
Range	80m	80 m
Available transmission power levels	Up to 8 dBm	Up to 8 dBm

Technical specifications

Sensitivity	-88 dBm	-88 dBm
Material	Plastic	Plastic
Colors	Black	Black
Protection	IP67	IP67
Mounting	Two holes to screw/ leash/strip, tape	Two holes to screw/ leash/strip, tape
Customization	Custom logo upon request* * Special conditions	Custom logo upon request* * Special conditions
Operational temperature	-20°C / +60°C (-4°F / +140°F) *Possible to have -40°C / + 85°C (-40°F / +185°F)	-20°C / +60°C (-4°F / +140°F) *Possible to have -40°C / + 85°C (-40°F / +185°F)
Certificates	CE (EU) FCC (USA) UKCA (UK) RoHS E-mark EAC, ANATEL and etc.	WCE (EU) FCC (USA) UKCA (UK) RoHS E-mark EN12830 EAC, ANATEL and etc.

SAFETY INFORMATION

This message contains information on how to operate BTSID1 safely. By following these requirements and recommendations, you will avoid dangerous situations. You must read these instructions carefully and follow them strictly before operating the device!

1. To avoid mechanical damage, it is advised to transport the device in an impact-proof package.
2. In case of malfunction contact yours Teltonika account manager or write to technical support team over VIP helpdesk.

Opening and self fixing devices is strictly forbidden

Installation and/or handling during a lightning storm is prohibited.

All wireless data transferring devices produce interference that may affect other devices which are placed nearby.

Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.

The device must be connected only by qualified personnel.

This marking on the product, accessories or literature indicates that product ant its electronic accessories should not be disposed of with other household waste.

The device must be firmly fastened in a predefined location.

This Marking on the battery, manual or packaging indicates that batteries in this product should not be disposed with other household waste.

WARRANTY

TELTONIKA guarantees its products to be free of any manufacturing defects for a period of 24 months. With additional agreement we can agree on a different warranty period, for more detailed information please contact our sales manager.

Contact us teltonika-gps.com/about-us/contacts/

WARRANTY DISCLAIMER

TELTONIKA PRODUCTS ARE INTENDED TO BE USED BY PERSONS WITH TRAINING AND EXPERIENCE. ANY OTHER USE RENDERS THE LIMITED WARRANTIES EXPRESSED HEREIN AND ALL IMPLIED WARRANTIES NULL AND VOID AND SAME ARE HEREBY EXCLUDED. ALSO EXCLUDED FROM THIS LIMITED WARRANTY ARE ANY AND ALL INCIDENTAL OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO, LOSS OF USE OR REVENUE, LOSS OF TIME, INCONVENIENCE OR ANY OTHER ECONOMIC LOSS.

More information can be found at teltonika-gps.com/warranty-repair