Manual Smart Beacon Wear 500

Features

- Wearable Beacon with tough silicone strap
- Pushbutton
- Optionally with NFC Tag
- Bluetooth Low Energy® 4.2
- Eddystone & iBeacon compatible
- Management and setting of all parameters via blukii Manager and blukii Configurator App
- Individual pre-configuration possible (MOQ: 20 pieces)

Intended Use

Smart Beacons are Bluetooth transmitters that send a unique ID to surrounding devices at certain intervals. They are used to identify places and objects.

- This document is part of the product. It contains important information for installation and operation. Store it carefully.
- Any other use than described in these instructions is not permitted. The manufacturer assumes no liability for personal injury or damage resulting from improper use.
- The product must not be modified
- If the product is damaged, it may no longer be used.
- Only operate the device within the technical specifications.
- The product should be operated in dry and dust-free locations.
- The product must not be exposed to strong mechanical loads.
- The beacon must be protected from strong heat.
- Do not operate the device near flammable gases and vapours.
- Do not remove any stickers or labels from the product. These contain important product and safety information.

Add Smart Beacons in the blukii Manager

To be able to configure and manage your Smart Beacons in the blukii Manager, you have to add them to your blukii Manager account. Proceed as follows:
1. Log in to **https://manager.blukii.com/** with your blukii Manager account. If you don't have an account yet, you can create one for free.
2. In the "My blukiis" section, you can add new Smart Beacons using the "+ ADD" button. Enter the activation code from your delivery in the corresponding field. By clicking on the "ADD TO MY BLUKIIS" button, the Smart Beacons from your order will be assigned to your account.

Management and configuration via blukii Manager and Configurator App

The cloud-based blukii Manager acts as a central tool for managing and configuring your Smart Beacons. Device settings can be made here, which can then be transferred to the corresponding beacon using the blukii Configurator app. Changes made in the app are transferred to the blukii Manager.
To change the settings of your Smart Beacon, proceed as follows:

1. Log in to https://manager.blukii.com/ with your blukii Manager account.
2. In the "My blukiis" section, click on the blukii for which you want to change the settings.
3. Make the desired changes and apply them by clicking the "Save" button
4. Place your smartphone near the appropriate beacon and start the blukii Configurator app
5. Select the corresponding blukii to get to the "Device Info" view. The orange cloud in the General section indicates that there are changed settings.
6. Now tap on the blue edit button at the bottom right and wait until the connection to the beacon has been established.
7. The Update area now appears in orange. Tap the "Update Device" button here to transfer the parameters changed in the blukii Manager to the beacon.
8. If you now exit the configuration view, a dark blue cloud shows that the data has been successfully synchronized and is up to date.

Parameter changes can also be made directly via the blukii Configurator app. To do this, proceed as follows:

1. Place your smartphone near the corresponding beacon and start the blukii Configurator app
2. Select the blukii for which you want to make changes
3. Then tap in the "Device Info" view on the blue edit button at the bottom right and wait until the connection to the beacon has been established.
4. Make the desired changes and apply them by clicking on the "Save" button
5. After leaving the "Configuration view", the changes are transferred to the blukii Manager

Changing batteries

The batteries in the Smart Beacon Wear 500 cannot be replaced.

Help in case of errors

Error	Cause	Remedy
Smart Beacon is not detected in the Configurator app	The slider for the RSSI value is too low	Raise the threshold to get more distant beacons on the display
Smart Beacon is not detected in the Configurator app	The Smart Beacon is out of range	Make sure that the beacon is in the immediate range of your smartphone
The connection with blukii Configurator App fails. Notification: blukii connection failed!	The Smart Beacon is not assigned to your blukii Manager account	Add the blukii to your blukii Manager account. See section "Add Smart Beacons in the blukii Manager"

Technical specifications

Advertising

Beacon protocols	iBeacon, Eddystone (TLM, UID, URL) Default: iBeacon, Eddystone UID
Advertising interval	0,1s to 10s (adjustable) Default: 1s

Radio

Standard	Bluetooth 4.2 (Bluetooth Low Energy)
Controller	Texas Instruments CC2640
Range	Up to 100m
Frequency range	2.402 to 2.480GHz
TX-Power (adjustable)	High(5dBm) / Medium(0dBm) / Low(-9dBm) / Lowest(-20dBm)
Antenna	Customized OnBoard SMD-Antenna

Battery

Type	Lithium-manganese-dioxide
Model	Panasonic CR3032 3V/500mAh
Capacity	500mAh
Replaceable	No
Lifetime at Advertising interval 0,3s (TX-Power: +5dBm)	0,3 years
Lifetime at Advertising interval 1s (TX-Power: +5dBm)	1,1 years

Mechanical specifications

Enclosure material	Copolyester
Colour	white
Protection Class	IP62
Flammability rating	UL94HB
Dimensions	50x38x15mm
Weight	30g

Environmental requirements

Operating temperature	-20°C to +60°C (Lifetime drops sharply under 0°C)

Certifications

CE (2014/53/EU, 2011/65/EU)

Disposal

According to European guidelines and the German Electrical and Electronic Equipment Act (ElektroG), Smart Beacons must not be disposed of with household waste.

After use, dispose of Smart Beacons at a responsible collection point for old electrical and electronic devices

Smart beacons contain batteries. These batteries must not be disposed of with household waste. Please take them to an appropriate collection point in an unloaded state.

CE Declaration

hard&softWERK GmbH declares herewith that the device is compliant with the basic requirements and the relevant rules in directives 2014/53/EU und 2011/65/EU.

Service

More information about your Smart Beacon:

Contact:	https://www.blukii.com/en/contact
Further documents:	https://www.blukii.com/en/resources
Phone:	+49 (0) 7724 918506 0
Mail:	support@blukii.com

hard&softWERK GmbH
Bahnhofstraße 10
D-78112 St. Georgen im Schwarzwald