

## Manual blukii Hub MKII

### Features

- Recording of blukii SmartBeacon data
- Protocols via Bluetooth LE 4.2: iBeacon, Eddystone (TLM, UID); blukii specific protocols like blukii Sensor Beacon and blukii Device Tracing
- Transmission of the data in JSON format to a REST interface, transmission via HTTP/HTTPS with optional authentication
- WLAN access point for direct access
- Dialing into a local network via WLAN (WPA2/3 and WPA2/3 Enterprise)
- Management of settings via local website
- Monitoring via blukii Manager Cloud
- Upgradability via blukii Manager Cloud
- Fixed installation using the supplied wall bracket
- Power supply with USB-C
- Robust external dipole Bluetooth antenna with long range
- Compact design 98x98x32mm



### Intended Use

The blukii Hub acts as a gateway for all blukii SmartBeacons. It receives the Bluetooth LE Advertising data that is sent within its range and forwards it in a structured form via WLAN to a server on the intranet or the Internet. This enables integration of the collected data into existing networks and makes it easier to analyze and use the information.



- This document is part of the product. It contains important information on commissioning and operation. Keep it safe.
- Any other use than described in these instructions is not permitted. The manufacturer assumes no liability for personal injury or material damage resulting from improper use.
- The product may not be rebuilt or modified.
- Make sure that the power plugs are easily accessible.
- If the product is damaged, it may no longer be used.
- Only operate the device within the technical specifications.
- The product may only be operated in dry and dust-free locations.
- The device must not come into contact with liquids. Use a dry, lint-free cloth to clean the device. Never use liquid or strong detergents.
- The product must not be exposed to strong mechanical loads.
- The Hub must be protected from strong heat.
- Do not operate the device in the vicinity of flammable gases and vapors.
- Do not remove any stickers or labels from the product. These contain important product and safety information.



### Scope of delivery

- blukii Hub MKII
- Power adapter
- Omni-Direction Whip Antenna (default) or Directional Antennas as per request
- Wall bracket + mounting accessories

### Commissioning of the blukii Hub MKII

Screw the antenna onto the antenna connection on the housing. Ensure a power supply via the enclosed power pack. The device starts automatically when the power adapter is plugged in. The blukii Hub is ready for operation when the green operating LED lights up continuously.

A detailed installation and configuration description can be found here: <https://blukii.github.io/Developers/blukiiHub/>.

### Maintenance

Never clean the device with liquid cleaning agents. Use a dry, lint-free cloth. We recommend disconnecting the device from the power supply during cleaning. When the cleaning process is complete, you can reconnect the device. The blukii Hub will start automatically.

### Technical specifications

#### Bluetooth

Standard	Bluetooth Low Energy 4.2
Range	Up to 100m
Antenna	Max. 2.8 dBi External Omni-Directional Antenna (Directional Antennas also provided as per request)
Advertising Protocols	iBeacon, Eddystone (TLM, UID), blukii Sensor Beacon, blukii Device Tracing

#### WLAN

Standard	Wi-Fi 4 (IEEE 802.11 b/g/n 2.4GHz)
Wi-Fi Speed	Up to 150Mbps
Wi-Fi Reichweite Range	Up to 100m
Working Modes	Access Point, Station Mode (WPA2/3, Enterprise Identity)
Antenna	3.4 dBi Integrated antenna

#### Hardware

Color	White or black
Protection class	IP 40
Dimensions (W x D x H)	98 x 98 x 32 mm (without antenna)
Weight	160g (without wall bracket)
Operating temperature	0°C bis +60°C
Power supply	230V Input, 5.1V Output USB-C

### Disposal

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

After use, dispose the product at a responsible collection point for old electrical and electronic devices.



### 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 product:

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