

## Manual blukii Hub

### Features

- Supply via 230V Euro power cable, therefore no maintenance costs for battery change
- Network connection via LAN
- Sensor Monitoring: collect sensor data from blukii Sensor Beacons
- Event Monitoring: recording and forwarding of Smart Beacon events
- Asset Tracking: basis for tracking objects
- Admin Panel: Easy configuration via the Hub Admin Panel
- Updates: The Hub can always be kept up-to-date via its update function
- Service Button: Remote maintenance can be enabled via the service button
- Push interface: Data is forwarded to an adjustable target address via HTTP / HTTPS with optional authentication mechanisms



### Intended Use

The blukii hub is a Bluetooth receiver. It is used to monitor and track blukii beacons.

- 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
- Power adapter
- Antenna
- Table stand
- Wall bracket + mounting accessories

### Commissioning of the blukii Hub

Screw the antenna onto the antenna connector on the housing. Place the blukii hub with the mounting accessories for table or wall in a suitable place. Connect the device to a router or switch with an Ethernet cable. A DHCP server in the network must provide the blukii Hub with an IP address and a connection to the Internet must be possible. Ensure a power supply via the included power supply unit. The device starts automatically when the power supply is plugged in. The blukii hub is ready for operation when the operating LED lights up green continuously.

## Configuration via the Hub Admin Panel

Download the blukii Hub Admin Panel from <http://www.blukii.com/>. It can be found under Resources - Software and Apps. Start the setup to install the software. When starting the Admin Panel for the first time, you will be asked for a user and a client ID. This information can be found in the packaging of the blukii hub. The admin panel is now ready to configure your blukii hub. A detailed configuration description can be found here: <https://blukii.github.io/Developers/blukiiHub/>

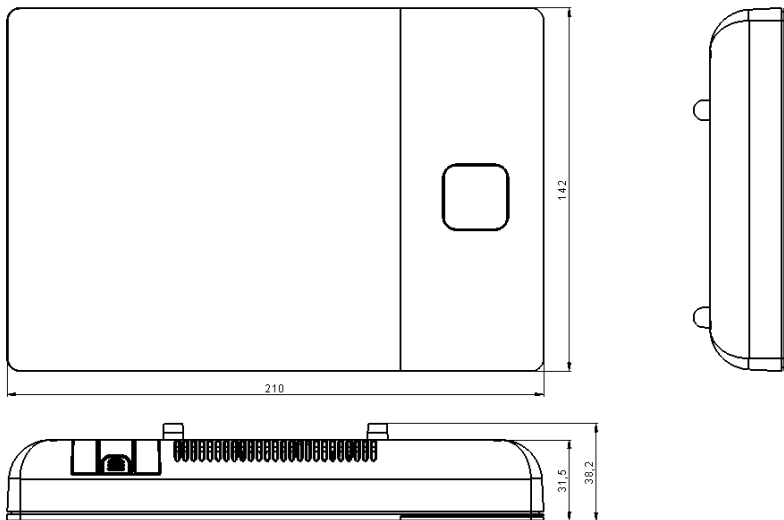
## Troubleshooting

Problem	Root cause	Solution
Hub does not send any data	Push server URL is not entered or is incorrect	The push server URL must be entered correctly via the Hub Admin Panel
	No blukii within reach	blukii must be brought within range (<10m)
	blukii does not send	Check with Configurator App whether blukii is sending

## 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



### Mechanische Spezifikationen

Protection class	IP20
Dimensions	210x142x38,2mm (without antenna)
Weight	360 g

### Radio

Standard	Bluetooth 4.2 (Bluetooth Low Energy)
Controller	ESP 32 / Odroid C2
Range	Up to 100 m
Frequency range	2.402 to 2.480GHz
Antenna	Omnidirectional antenna
Beacon protocols	iBeacon, Eddystone(TLM, UID, URL), blukii Sensor Beacon Protocol

### Power supply

External power supply	Output: 15W (DC 5V/3A)
Mains voltage	230V (AC)/50Hz
Max. power consumption	Max 15W



#### Environmental requirements

Operating temperature	5°C to 35°C
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#### Certifications

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



#### CE Declaration

Schneider Schreibgeräte 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:

Contact: <https://www.blukii.com/en/contact>  
Further documents: <https://www.blukii.com/en/resources>  
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