Manual Smart Key Go Mini

Features

- Three connection modes: Open connection (convenience mode), Bluetooth pairing (pairing mode), AES 128-bit encryption Challenge response system (secure mode)
- Can be combined with a variety of accessories such as blukii Key-Fob, blukii Clip or blukii Drop
- Bluetooth Low Energy® 4.2
- Setting of all parameters via blukii Configurator App

Intended Use

Smart Keys are Bluetooth transmitters that communicate with surrounding devices at certain intervals. They are used to authenticate 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 Key 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.

Assembly of Go Mini accessories

The Smart Key Go Mini can be used alone or in combination with numerous accessories. To install the optional accessories, proceed as follows:

- **Key Fob Go Mini:** Peel off the protective strip from the double-sided adhesive tape. Insert the Smart Key with the label facing up into the Key Fob Go Mini.
- **Clip Go Mini:** Peel off the protective strip from the double-sided adhesive tape. Insert the Smart Key with the label facing upwards into the Clip Go Mini.
- **Drop Go Mini:** Place the Smart Key Go Mini in the ground. Put the top on slightly twisted and then turn it to the position that the outer contour of the top and bottom part are flush.

Configuration via blukii Configurator App

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

1. Place your smartphone near the corresponding Key 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 Key has been established.
4. Make the desired changes and apply them by clicking on the "Save" button

Changing batteries

To change the battery of your Smart Key Go Mini, please proceed as follows:

1. Open the battery cover and remove the battery.
2. Pay attention to the battery instructions in the next section
3. Insert the new battery with the positive pole on top. Push the battery diagonally against the side battery contact before pushing it completely down.
4. Close the battery cover

Battery notes

- **Do not use rechargeable batteries!**
  Rechargeable Batteries usually have a higher internal resistance and lower voltages. This can lead to incorrect runtime estimation and reduced operating time.
- **Use high quality batteries!**
  A Sony CR2032 button cell is suitable for operating your Smart Key Go Mini
- **Risk of explosion!**
  - Do not recharge, short-circuit or disassemble batteries!
  - Immediately remove empty batteries from the Smart Key Go Mini
  - Keep batteries away from children and avoid contact with eyes, skin and mucous membranes. If you come into contact with battery acid, wash out immediately with clear water and consult a doctor.

Help in case of errors

Error	Cause	Remedy
Smart Key is not detected in the Configurator app	The slider for the RSSI value is too low	Raise the threshold to get more distant Keys on the display
Smart Key is not detected in the Configurator app	The Smart Key is out of range	Make sure that the Key is in the immediate range of your smartphone

Technical specifications

Advertising

Beacon protocols	blukii Smart Key Protocol
Advertising interval	0,1s to 10s (adjustable) Default: 1,9s

Radio

Standard	Bluetooth 4.2 (Bluetooth Low Energy)
Controller	Texas Instruments CC2640
Range	Up to 50m
Frequency range	2.402 to 2.480GHz
TX-Power (adjustable)	High(5dBm) / Medium(0dBm) / Low(-9dBm) / Lowest(-20dBm)
Antenna	Customized OnBoard SMD-Antenna

Encryption

Modus 1	Open connection (convenience mode)
Modus 2 (Default)	Bluetooth Pairing (Pairing Mode)
Modus 3	AES 128Bit-Verschlüsselung Challenge-Response-System (Secure Mode)

Battery

Type	Lithium-manganese-dioxide
Model	Sony CR2032 3V/220mAh
Capacity	220mAh
Replaceable	Yes
Lifetime at Advertising interval 0,3s (TX-Power: +5dBm)	0,14 years
Lifetime at Advertising interval 1s (TX-Power: +5dBm)	0,5 years
Lifetime at Advertising interval 1,9s (TX-Power: +5dBm)	0,9 years

Mechanical specifications

Enclosure material	Copolyester
Colour	white
Protection Class	IP62
Flammability rating	UL94HB
Dimensions	22x7mm
Weight	6g

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 Keys must not be disposed of with household waste.

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

Smart Keys 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.

CE

Service

More information about your Smart Key:

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