

Document Title		Project Number		 Steinbeis-Transferzentrum Institute of Signal Processing and embedded Systems	
User manual blukii		0-1000			
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2 Compliance Statement

Disposal of the product and the battery according to local regulations. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment. This device complies with part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Um eine umweltgerechte Entsorgung sicherzustellen, entsorgen Sie bitte elektronische Geräte über eine Elektronikschrott-Rück- gabestelle Ihrer Gemeinde. Batterien können Sie ebenfalls an kommunalen Sammelstellen oder als kostenlose Rückgabe an den Handel entsorgen.

3 Overview

Dimensions: round 20mm, round 30mm

Housing:

- Color: White.
- Branding: Logos.
- Material: plastic ABS.
- Fixation: none.

Weight:

- 6g including CR2032 Batterie (blukii Small 1010-005 only).
- 10g including CR3032 Batterie (blukii Large 1011-006 only).

Power Supply:

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- 5V Micro-USB (blukii Large 1011-006 only).
- 1 x CR2032 (230mAh, VARTA), blukii Small 1010-005 only.
- 1 x CR3032 (450mAh, VARTA), blukii Large 1011-006 only.

Bluetooth® Chip and Antenna:

- Texas Instruments CC2640 SoC.
- At 0dBm active Mode RX/TX: 5,9mA/6,1mA.
- 2.4GHz RF Transceiver.
- Outputpower programmable up to +5dBm.
- Internal omni-directional ProAnt custom smd antenna.

Environment:

- -20°C to +60°C (depending on Batterie quality)

Certifications:

- CE, FCC, RoHS conform

4 Modell

blukii small modell 3.0 1010-005

blukii large modell 3.0 1011-006

5 Housing

Each model has one type of housing, round. 20mm or 30mm diameter.

6 Delivery

Delivery contains:

- 1 piece battery VARTA-CR 2032 or VARTA-BR3032
- User manual

7 Instructions on replacing the blukii battery

Urgent recommendation:

If you are not familiar with changing batteries in delicate environments of this kind, we recommend that you arrange for a watchmaker to do it in whom you have confidence.

- 1 Carefully open the blukii housing by inserting your fingernail into the recess provided. Do not use sharp objects to open the lid! That would inevitably damage the housing and would void all warranty claims.
- 2 Pull out empty battery using a magnet (or a provisorily affixed "handle"). Never attempt to

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pry out the battery using sharp objects. That would inevitably damage the housing and would void all warranty claims.

- 3 Before installing the new battery, ensure that the small contact spring is located properly in the aperture on the printed circuit board (PCB) and that the PCB is correctly positioned in the housing.
- 4 Carefully install the new type CR2032 battery - with the positive terminal (large diameter) facing upwards – and carefully press down until firm contact is made with the PCB.
- 5 Replace the lid on the housing and press down all round the edge until a 'click' is heard.
- 6 Dispose of empty batteries properly.

8 Getting started

No further actions needed, the blukii is working out of the box.

9 Technical requirements

- Minimum Apple iOS 8.4. operating system.
- Minimum Google Android 5.0. operating system
- Room temperature

batterie: 3V === CR2032, CR3032

usb: 5V === 0.1A

WEEE-Reg-No. DE XXXXXXXX

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