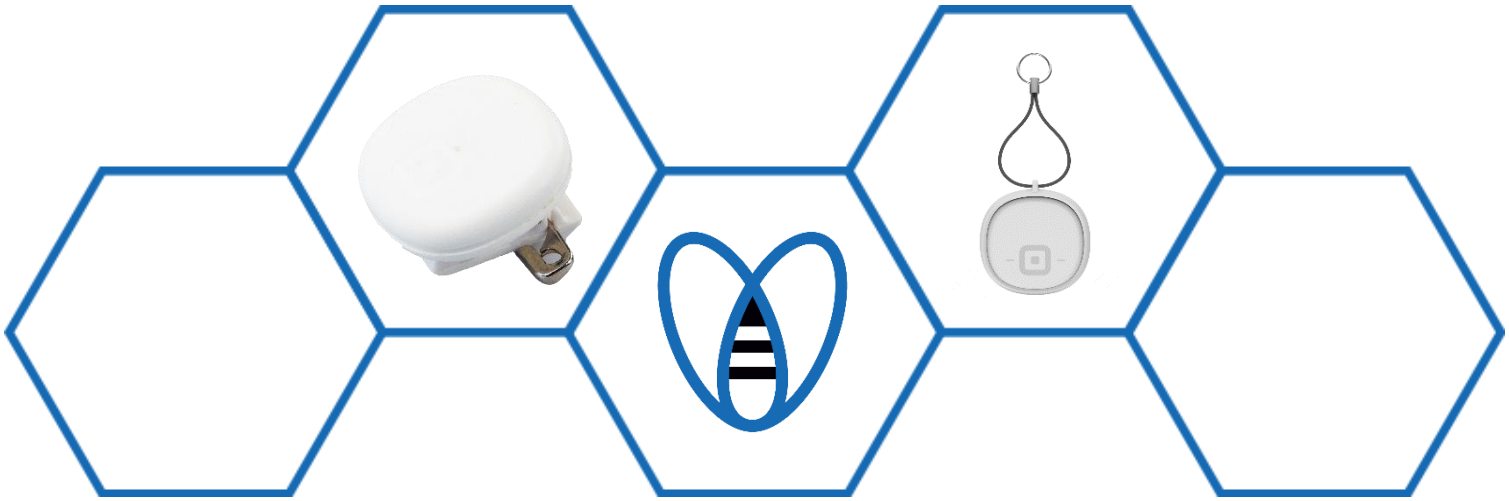
USER MANUAL
YOOBEE KEYFOB TRACKER

yB-010030-KT



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1. General information

yooBee Keyfob Trackers are used to track the position of people and assets with an accuracy of up to 1-2 meter. The yooBee Keyfob Tracker is a small, lightweight and water resistant device that can be clipped on a shirt or worn on a lanyard. It can also be attached to assets as a sticker or key chain. It is powered with a replaceable coin cell battery that offers approximately two years lifetime with a position update once per second, assuming 8 hours of activity per day.

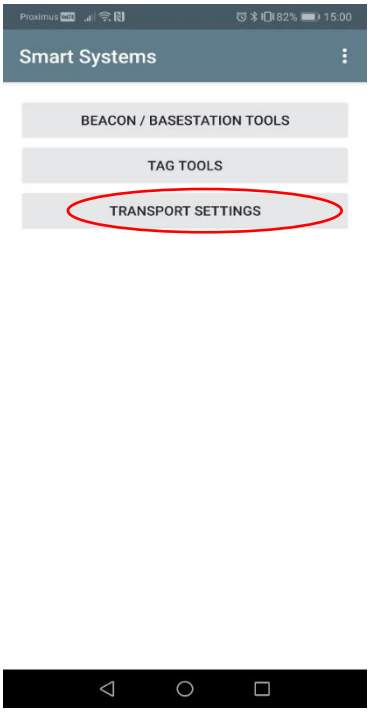
The yooBee KeyFob Tracker features:

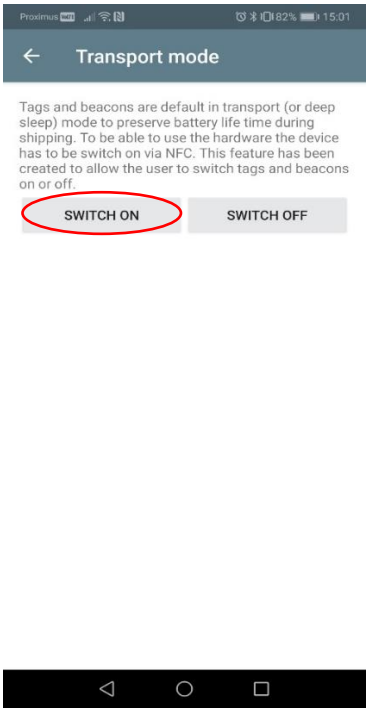
- NFC for identification or access control purposes
- Multicolor LED for troubleshooting
- Inertial sensors: Accelerometer, magnetometer

yooBee Trackers are remotely managed through the cloud console for configuration, over-the-air updates, battery status monitoring and event logging.

2. Getting started

yooBee Trackers are by default in "Transport mode", which is a deep sleep mode to preserve battery life time during shipping. Before using the tracker, the device must be switched ON via NFC by means of the yooBee Toolbox smartphone app.



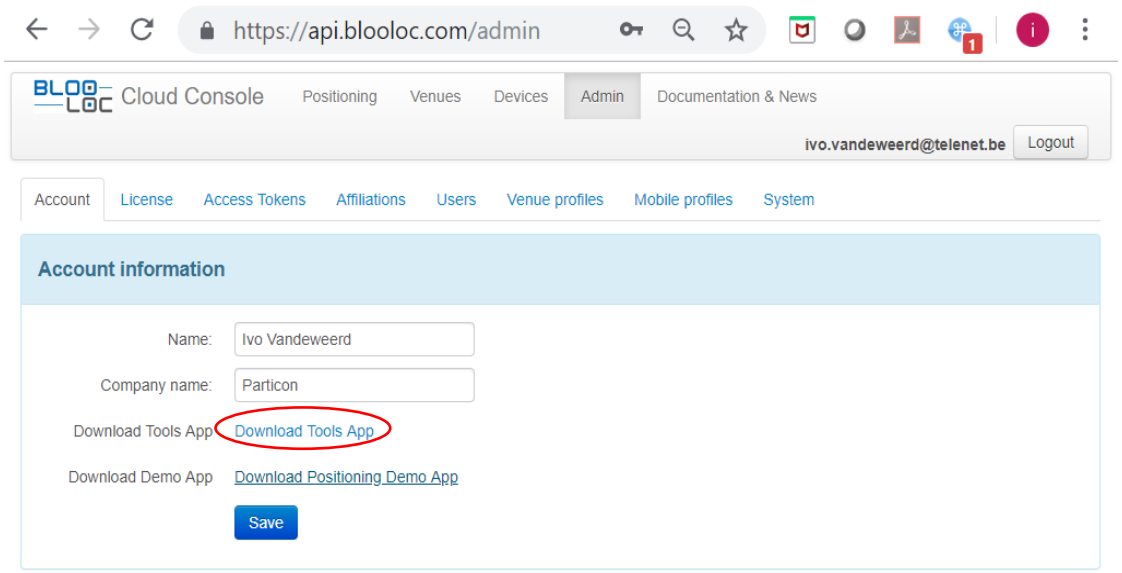


To switch on the device, tap the "SWITCH ON" button and hold the device close the NFC antenna of your smartphone.

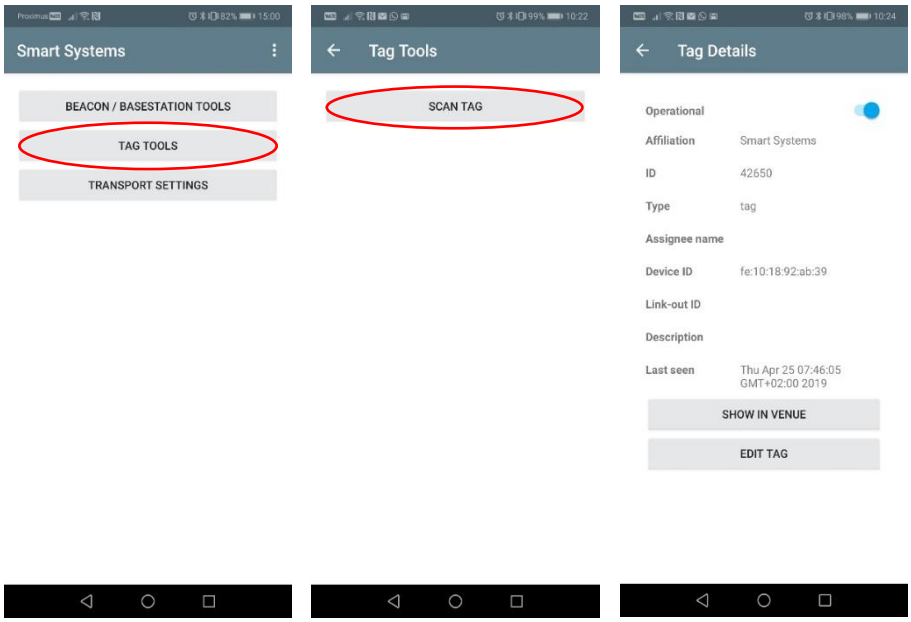
The yooBee Toolbox app can be downloaded from the "Admin" section on the Cloud Console. Log into the Cloud Console from your smartphone, click on the "Admin" tab and select the

Account sub-tab. When clicking on "Download Tools App" link, *.apk files are downloaded on your smartphone to install the yooBee Toolbox app.

> the yooBee Toolbox app is only available for Android



Before the device can be tracked, it has to be properly configured in the yooBee Cloud Console. This can be done by means of the yooBee Toolbox app or directly in the Cloud Console (see the yooBee Cloud Console User Manual).



Note: Switching off the operational mode is equivalent to putting the device in Transport Mode.

3. Using the device

In operational mode, the tracker is active and connected to at least one and up to three yooBee Hubs. It periodically broadcasts data from its inertial sensors, which is used in the Cloud Console to track the position of the device.

If no movement was detected in the last 15 sec, the tracker goes into a sleep mode to preserve battery life time. It is re-activated as soon as movement is detected.

In the background, the device runs protocols to establish and maintain connection with yooBee Hubs in its proximity, and to roam between them.

4. Installation

The yooBee Keyfob tracker fits in a rubber band (yB-020031-KTR), such that it can be attached to a key chain or a lanyard. Alternatively, a clip (yB-020032-KTC) can be used to clip the device to a person or an asset. The device can also be glued to an asset, using double-side adhesive tape, preferably on a flat and smooth surface.

5. Troubleshooting

The yooBee Keyfob Tracker has a multi-colored LED, that can be used for troubleshooting:

LED Code	Meaning
1x red short blink	Button press detected, tag unconnected
1 or more red short blinks	Button press detected, tag connected, and waiting TX confirmation
1x green 10s after button press	Button press detected, tag connected, and received TX confirmation
Series of short blue blink	Firmware update
1x red short blink after firmware update blue blinks	Firmware update failed

In case of possible malfunction, please contact technical support to receive proper replacements (email: support@blooloc.com). Replacement policy also applies to performance faults caused by low battery before certain operation time.

6. Disposal of the device

yooBee Keyfob Trackers contain electronic elements and batteries which should be properly disposed and compliant to local regulations.

7. Safety Instructions

Opening yooBee Keyfob Trackers is strictly forbidden. Switching the original battery with one of a different type might cause a risk of explosion.

8. Technical Specifications

Technical Specification			
Dimensions	31,4 mm x 31,4 mm x 7,7 mm	**Operational Temperature**	-20°C to +60°C
Weight	10 g	**Storage Temperature**	-25°C to +70°C
Radio	• NFC Forum Type 4, ISO/IEC14443 • 2.4 GHz BLE 0dBm TX power	**Sensor**	• Ambient temperature • Inertial and magnetic field sensor • Push button
Power Supply	CR2032 3V replaceable lithium cell battery (expected lifetime 2 years)	**Material**	• Reinforced polyamide • UV-light resistant • Zero outgassing
Update Rate	1 per second	**Certification**	CE, FCC, ISED

9. Declaration of Conformity

CE Statements

This product complies with the essential requirements of Radio Equipment Directive (RED) 2014/53/EU. The Declaration of Conformity can be found in the yooBee documentation on www.blooloc.com

FCC Statements

FCC § 15.19 Labelling requirements

This device complies with part 15 of the FCC Rules and Industry Canada license-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.

FCC § 15.21 Information to user

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC §15.105 statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning

the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

—Reorient or relocate the receiving antenna.

—Increase the separation between the equipment and receiver.

—Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

—Consult the dealer or an experienced radio/TV technician for help.

RF Exposure Requirements

To comply with FCC RF exposure compliance requirements, the device must be installed to provide a separation distance of at least 0 cm from all persons.

INDUSTRY CANADA Statements

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.

Canada Class B statement

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

RF Exposure Requirements

This equipment complies with Canada radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0 cm between the radiator and your body.

Déclaration d'exposition aux radiations:

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 0 cm de distance entre la source de rayonnement et votre corps.