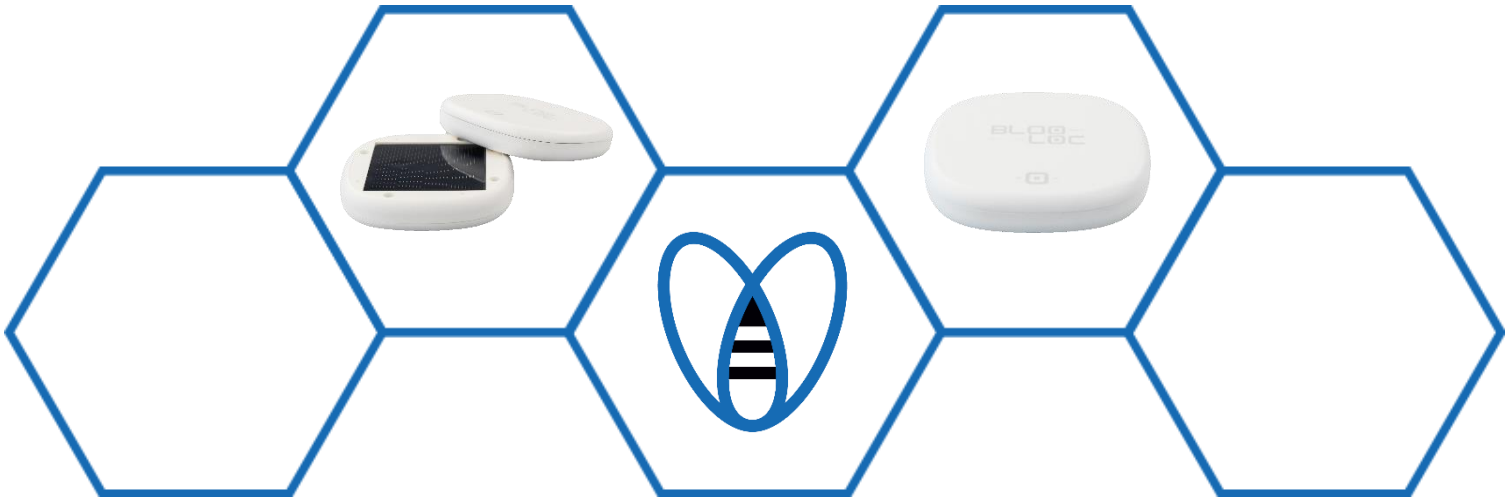
USER MANUAL
YOOBEE SENSOR

yB-010020-SR



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1. General information

yooBee Sensors provide location references for the yooBee Indoor Positioning System. They measure the RSSI of the signals received from yooBee Trackers and send BLE reference packets to smartphones.

yooBee Sensors are powered by a solar panel and rechargeable battery. Alternatively, Sensors can be powered or charged through the micro-USB port.

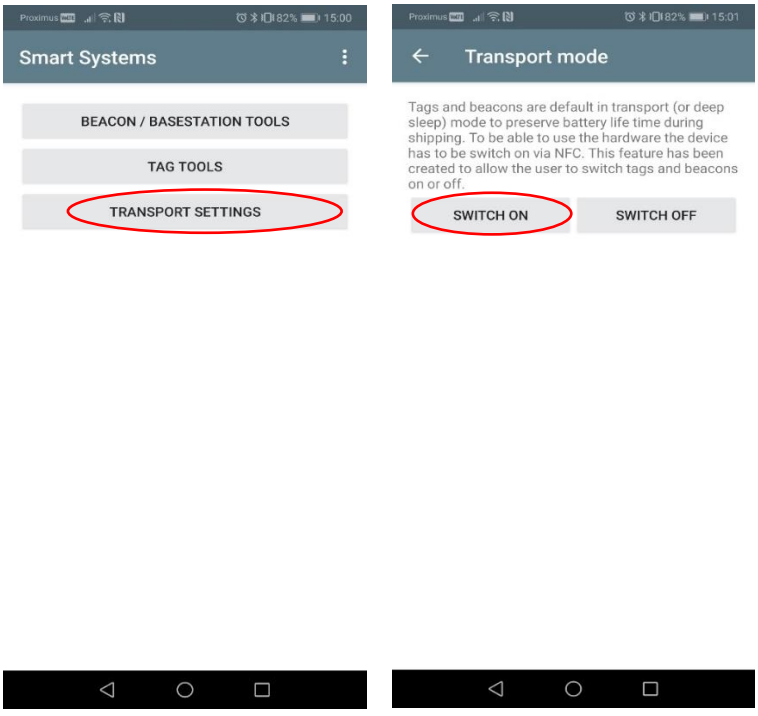
yooBee Sensors are mounted under lamps using a flat bracket or to windows with suction tape.

yooBee Sensors feature NFC for identification and commissioning purposes and a Multicolor LED for troubleshooting.

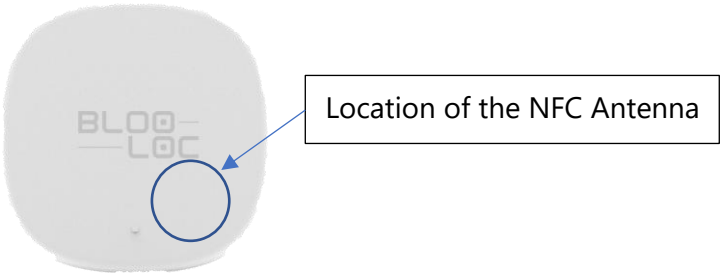
yooBee Sensors are remotely managed through the cloud console for configuration, over-the-air updates, battery status and charge current monitoring, RF communication quality.

2. Getting started

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



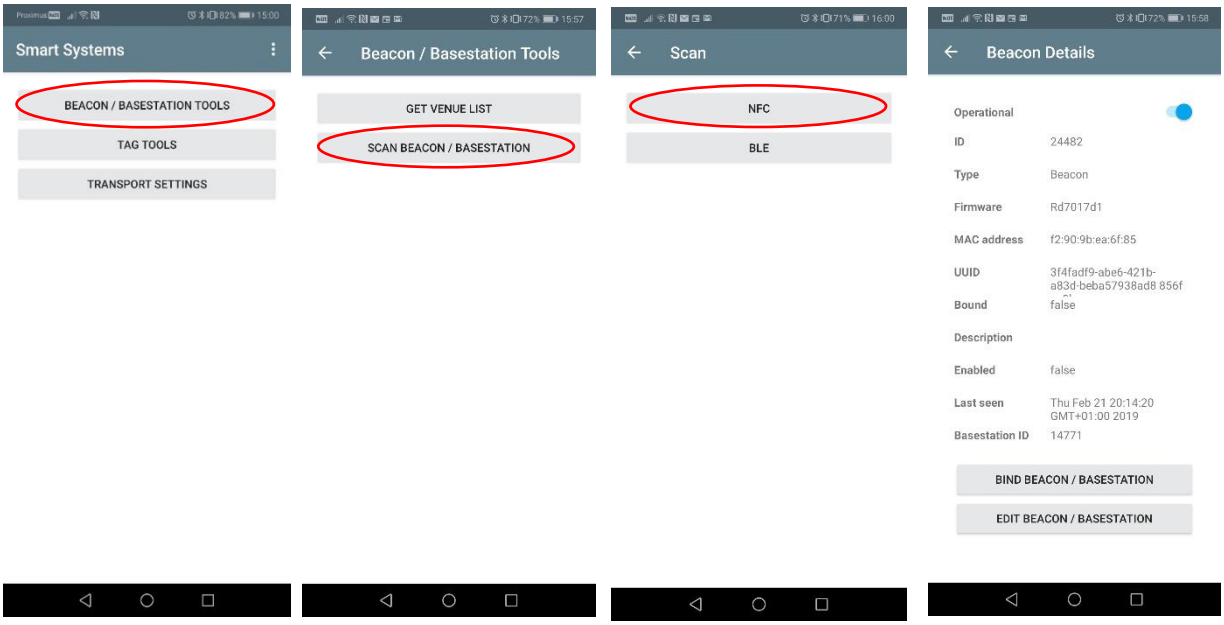
To switch on the device, tap the "SWITCH ON" button and hold the device close the NFC antenna of your smartphone.



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 used, 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. Installation

The yooBee Sensor can be fixed to a window by means of a suction cup (yB-020022-SCT) or mounted under a lamp by means of a flat bracket (yB-020021-SFB). Please see the InstallationGuide for detailed instructions.

4. Troubleshooting

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

LED Code	Meaning
1x red short blink	Button press detected
2x red short blink	USB power connected
series of short blue blink	Firmware update
1x red 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.

5. Disposal of the device

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

6. Safety Instructions

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

7. Technical Specifications

Technical Specification			
Dimensions	88 mm x 88 mm x 17 mm	**Operational Temperature**	-20°C to +40°C
Weight	84 g	**Storage Temperature**	-25°C to +40°C
Radio	• NFC Forum Type 4, ISO/IEC14443 • 2.4 GHz BLE 0dBm TX power • iBeacon (6Hz)	**Sensor**	Ambient temperature
Power Requirements	• 560mAh rechargeable Li-Ion battery • USB port (charging and/or power in case of dark surroundings)	**Material**	• Reinforced polyamide • UV-light resistant • Zero outgassing

Solar Panel	• 70 mm x 70 mm • Fully charged in 18 hours in daylight	**Certifications**	• CE, FCC, ISED

8. 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 20 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 20cm 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 20 cm de distance entre la source de rayonnement et votre corps.