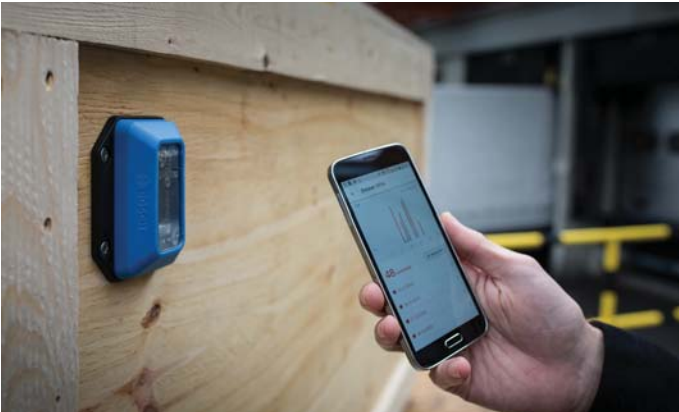


SpotBot™ BLE Overview

Sepa cuando las cosas van mal en su Cadena de Suministro

El SpotBot BLE hace que la cadena de suministro sea transparente. Cuando está acoplado al envío, hace la medición y registra temperatura, humedad, inclinación e impacto; y los datos se visualizan a través de una aplicación móvil. Los límites de cada parámetro se pueden configurar individualmente y cualquier infracción es rastreable y claramente asignable a lo largo de toda la cadena de suministro.



SUS BENEFICIOS CON EL SPOTBOT BLE

- Una manera confiable, versátil, simple y con gran costobeneficio de traer transparencia a toda la cadena de suministros, con la excelente calidad habitual de Bosch.
- El SpotBot BLE proporciona tranquilidad al remitente de un pedido y transparencia a la cadena de suministros. Si el umbral de algún parámetro se excede, el SpotBot BLE proporciona pruebas verificables y una indicación confiable para posible daño primario y secundario.
- Configuración individual, facilidad de uso e integración con poco esfuerzo y sin necesidad de conocimiento previo sobre los procesos de una cadena logística.
- El SpotBot BLE agrega valor a cada etapa de la logística. Crea confianza entre los asociados y proporciona datos importantes para optimizar los procesos logísticos. Si no hay una violación de los parámetros, el SpotBot BLE es la prueba de una cadena de transporte libre de fallas.

FUNCIONALIDADES ESPECÍFICAS

- Monitoreo simultáneo de múltiples parámetros cruciales
- Hasta dos años de duración de la batería
- Simple, robusto y con gran costo-beneficio
- Aplicación móvil gratuita y amigable



Impacto



Humedad



Temperatura



Inclinación



SHOCKWATCH®

SpotBot™ BLE Technical Data

MEASUREMENT PARAMETERS



SHOCK



HUMIDITY



TEMPERATURE



TILT

APPLICATION ADVANTAGES

- Creates transparency within the entire supply chain
- Simplified configuration and visualization via mobile application
- Battery with a long lifetime resulting in less handling effort



DEVICE SPECIFICATION

Dimension (LxWxH)	101.8 mm x 91 mm x25 mm
Weight	100g
Power Supply	CR 123A Lithium Battery, 1400 mAh
Battery Lifetime	2 Years (10 min. measuring cycle, +25°C)
Enclosure Protection Class	IP 54
Electrical Protection Class	III
Measuring Interval	1 min to 4 hours (selectable)
Memory Capacity	2 Years (15 min. measuring cycle, typical usage)

OPERATING RANGE

Operating Temperature Range	-25°C to +80°C
Storage Temperature Range	0°C to +40°C
Humidity Range	0% rH to 100% rH (non condensing)
Shock / Acceleration Range	±8g per axis ±13.8g modulus

SpotBot BLE™ Technical Data

ACCURACY

Temperature	±0.5°C (0°C to +60°C) ±1°C (-25°C to +80°C)
Humidity	±5% rH typical ±10% rH maximum (20% rH to 80% rH at 25°C)
Shock / Acceleration	±10%

RESOLUTION

Temperature	0.5°C
Humidity	1% rH
Shock / Acceleration	0.1g

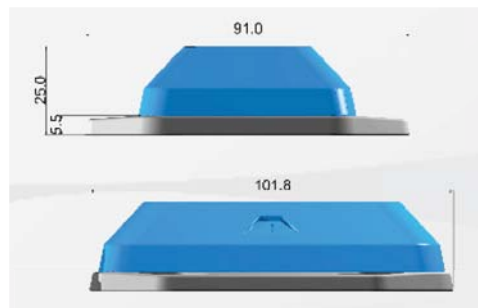
COMMUNICATION

Bluetooth Low Energy Range	Up to 40 m (dependent on external influences)
-----------------------------------	---

USER INTERFACE

App	Free smartphone application for configuration and data analysis
Status LED	Indication of device status, battery level and communication

DIMENSIONAL DRAWING





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SpotSee™

SpotBot™

BLE

PRODUCT MANUAL





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1. Introduction and Intended Use

By being attached to the shipment and measuring and recording relevant parameters like temperature, humidity, tilt and shock, the SpotBot BLE makes the delivery process of goods visible and traceable. These measurements are then documented and visualized through a mobile application. Since the limits of each parameter can be individually configured, any violation of these limits is traceable and clearly assignable to the stations throughout the entire transport process.

1.1. Intended Use

The SpotBot BLE is designed according to the information provided in the data sheet. Any use or operation which requires specific requirements and standards which aren't explicitly mentioned in the data sheet must be validated and tested on customer's own risk.



FIGURE 1 | Overview SpotBot BLE

- 1 Surface: place your shipment code here (see INFO below).
- 2 Button (see chapter 6 Operation)
- 3 LED (green/red) (see Blinking Patterns on page 17)
- 4 Mounting holes (4x) (see Mounting the SpotBot BLE on page 9)
- 5 Battery (see Changing the Battery on page 18)
- 6 Mounting plate (see Mounting the SpotBot BLE on page 9)



INFO

Consider that the humidity sensor should not be covered by labels or stickers. Otherwise the humidity measurement doesn't work.



2. Technical Specifications

2.1. Measured Parameters

Temperature • Humidity • Tilt • Shock

2.2. Device Specification

TABLE 1 | DEVICE SPECIFICATIONS

Attribute	Value
Dimension (W x H x D):	91mm x 102mm x 25mm
Weight:	100g
Power Supply:	CR 123A Lithium Battery
Battery Lifetime:	2 Years (10min measuring cycle, +25°C)
Enclosure Protection Class:	IP 54
Electrical Protection Class:	III
Measuring Cycle (selectable):	1 min to 4 hours
Memory Capacity:	2 Years (15 min. measuring cycle, see Logging Interval on page 13)
Communication:	Bluetooth 4.0 (Low Energy)
Bluetooth Frequency Band:	2.402 to 2.480 GHz
Transmission Power:	5 dBm
Recommended Storage Temperature:	0°C to +40°C

2.3. Operating Conditions

TABLE 2 | OPERATING CONDITIONS

Attribute	Range
Operating Temperature Range:	-25°C to +80°C
Humidity Range:	0% rH to 100% rH (non-condensing)
Shock/Acceleration Range:	±8.0 g per axis; ±13.8g three-dimensional

2.4. Resolutions

TABLE 3 | CONFIGURABLE RESOLUTIONS

Attribute	Resolution
Temperature:	0.5°C
Humidity:	1% rH
Tilt:	0° to 150° (30° steps)
Shock:	0.1g



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PRODUCT MANUAL

2.5. Accuracies

TABLE 4 | ACCURACIES

Attribute	Value
Temperature	0.5°C
Humidity:	$\pm 5\% \text{ rH} / \pm 10\% \text{ rH}_{\text{max}}$
Acceleration/Shock:	$\pm 10\%$



3. Mounting the SpotBot BLE

The SpotBot BLE comes with an integrated mounting plate at the bottom side. The mounting plate provides four mounting holes for screw fastening purposes.

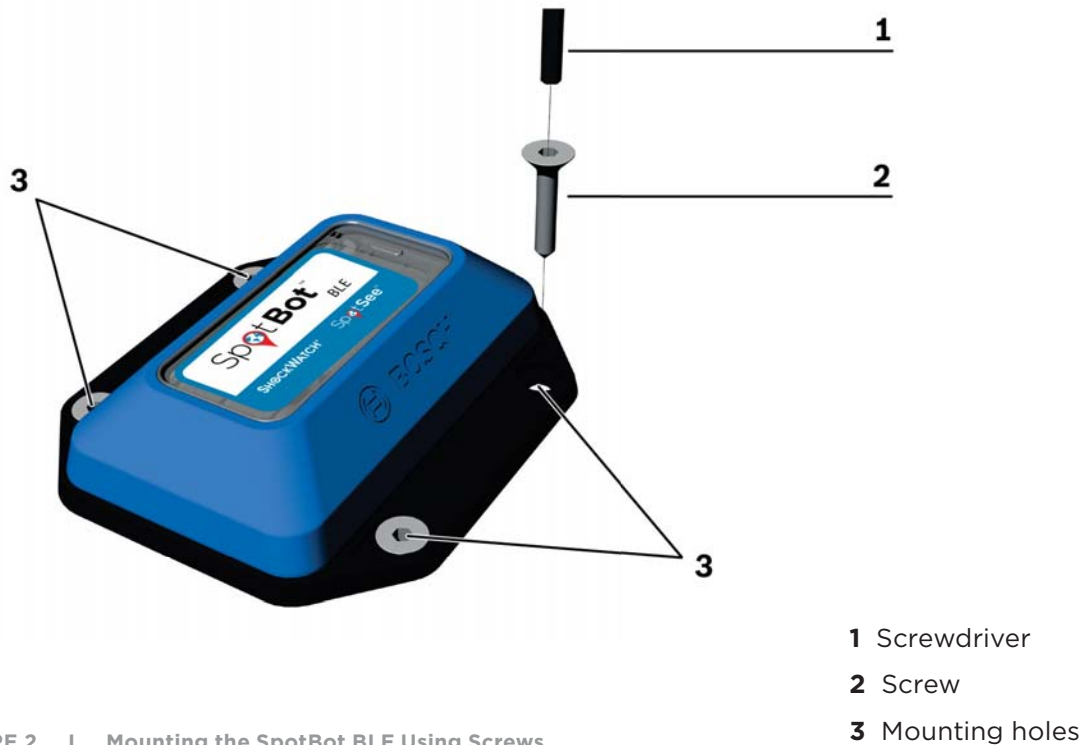


FIGURE 2 | Mounting the SpotBot BLE Using Screws

- 1 Screwdriver
- 2 Screw
- 3 Mounting holes

In general, the SpotBot BLE can be mounted in any position as required. The fastening, depending on the specific requirements, can be carried out with screws or with double-sided adhesive tape.

In the case shock will be measured, a direct and non-absorbing connection between the SpotBot BLE and the monitored good is required. For achieving this we recommend using either screws or a fiber reinforced adhesive tape.

3.1. Mounting with Screws

Recommended screws:

M5 or M4 (recommended with washer) raised cheese head / pan head / round head screws.

Recommended tightening torque: 1 Nm

3.2. Mounting with Adhesive Tape

Tape Specifications: Double-sided fiber-reinforced adhesive tape (tested with Tesa 56172-00003)

4. Operation

You need to install the SpotBot BLE app to use the SpotBot BLE. The required app SpotBot BLE is available on the Google Play Store or Apple App Store. The app runs on Android version 5 (Lollipop) or higher and on iOS version 9 or higher.

4.1. Installing the App

1. Type SpotBot BLE in your app store's search box to find the app easily.
2. Select the app to download and install it.

You can customize the way that the SpotBot BLE measures and records data in accordance with your individual requirements in the app. You can also control and record data from as many SpotBot BLE units as required.

4.2. Connecting to the SpotBot BLE

1. Activate Bluetooth LE on your smartphone. For devices running Android 6, enable GPS as well.



INFO

To enable Bluetooth LE Android 6 requires localization service to be activated.

2. To activate the SpotBot BLE, press the button on the device for about 1 second (0.3 to 1.5 seconds).



INFO

For correct activation it is important to press and hold the button between 0.3 and 1.5 seconds.

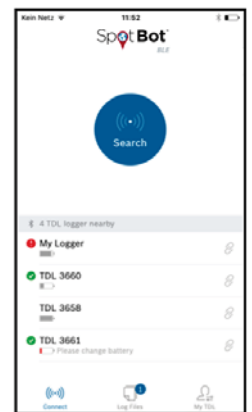


3. Start the SpotBot BLE app.
4. To find the activated SpotBot BLE, tap **Search**.
5. Locate and select the SpotBot BLE from the list.
6. Confirm the connection by selecting **Pair**.



INFO

1. Pairing must be completed within 30 seconds.
2. If Pairing was canceled via the app, turn Bluetooth off/on or wait for five minutes.
3. In case a password is required, please enter six zeros (000000) which represents a standard password.



4.3 Configuring the SpotBot BLE

To configure your SpotBot BLE, follow the steps shown in the app.



INFO

Only defined characters are allowed for the e-mail address and SpotBot BLE name.

Allowed characters: [A-Z][a-z][0-9][@,;:/\|+* _]

1. Choose and enter a name for the SpotBot BLE (optional).
2. Enter an e-mail address to transfer data (optional).
This e-mail address will be the default recipient address when sending data via e-mail.
3. Tap Continue.

4. Configure the logging interval. The measurement frequency depends on the required monitoring period of the SpotBot BLE. As an aid for configuration, refer to the overview of the recommended configuration intervals in Logging Interval on page 13.

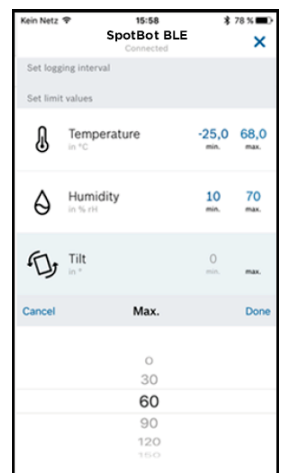
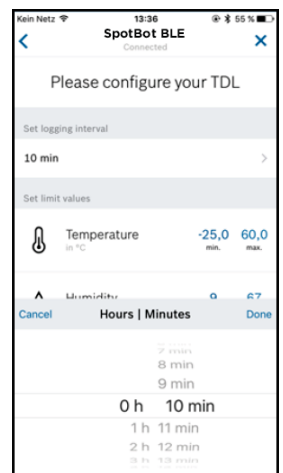
5. Choose a measurement parameter (temperature, humidity, tilt, shock) by tapping Set values.
6. Swipe up and down to configure minimum and maximum values.



INFO

At least one value must be configured. However the temperature, humidity and tilt measurement values will be recorded even without the configuration of a threshold value.

7. Tap Continue.



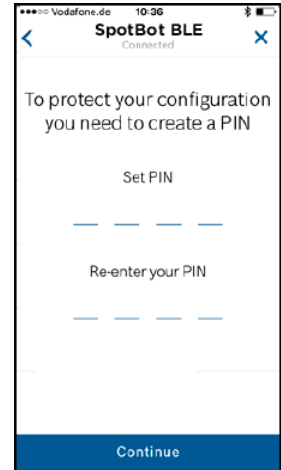
8. Enter your desired PIN and confirm.

NOTICE

No SpotBot BLE Access without valid PIN!

You cannot configure the SpotBot BLE without a valid PIN. Consider that it is impossible to reset the PIN, even at the factory.

➔ Always make a note of the PIN and store it in a safe place.



9. To start logging immediately:

Tap Start logging and confirm that logging will start only when the SpotBot BLE device is disconnected.

The device confirms logging start by flashing three times the green LED three times.

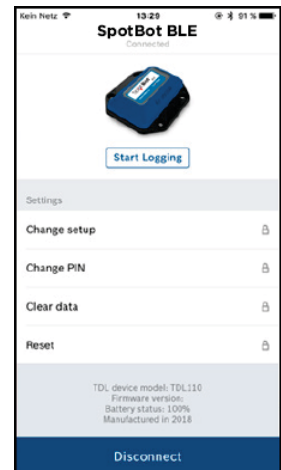
10. To start logging later:

a. Tap Disconnect in the app.

The device confirms the disconnection by flashing three times the red LED three times.

b. Press the button on the SpotBot BLE for 2 to 5 seconds when you want to start logging.

The SpotBot BLE blinks green three times to confirm that logging has started.



i INFO

The measurement starts immediately after you tap Start logging. The SpotBot BLE uses its current position as a reference for the tilt measurement.

If you configure the SpotBot BLE in a different position from its final mounting position, tap Disconnect in the app and activate the SpotBot BLE later in its final mounting position with a button press of 2 to 5 seconds.



0.3 – 1.5s



4.3.1. Logging Interval

TABLE 5 | LOGGING INTERVALS

Required Monitoring Time	Recommended Logging Interval
1 month	1 min
3 months	2 min
6 months	4 min
9 months	6 min
12 months	7 min
15 months	10 min
18 months	12 min
21 months	13 min
24 months	15 min

These recommendations are based on assumptions, made for a specific number of impacts and tilts per day.

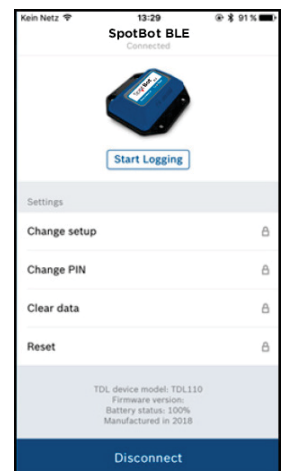
At the end of the monitoring period the stored data can be analyzed and then cleared. After clearing the data the SpotBot BLE is ready for a new trip.

For logging intervals that are longer than 15 minutes, the battery with a lifetime of 24 months will be the limiting factor.

4.4. Settings

You can change the settings of your SpotBot BLE at any time. Any change to the settings is protected by the PIN. To change settings, please connect to the respective SpotBot BLE. Logging is stopped during the SpotBot BLE configuration process.

1. Connect to a previously configured SpotBot BLE.
2. Swipe down to Settings.
3. Tap on the desired setting and make the changes.





4.4.1. Changing the Setup

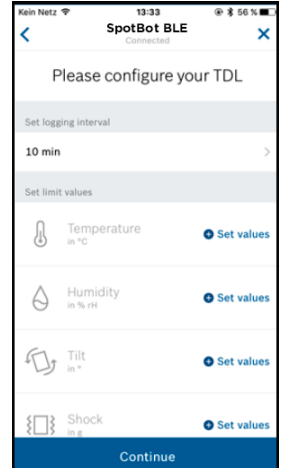
1. Tap Change Setup to set new values.
2. When ready, tap Change to apply the new changes.

NOTICE

No SpotBot BLE Access without valid PIN!

You cannot configure the SpotBot BLE without a valid PIN.
Consider that it is impossible to reset the PIN, even at the factory.

- ➔ Always make a note of the PIN and store it in a safe place.



4.4.2. Changing the PIN

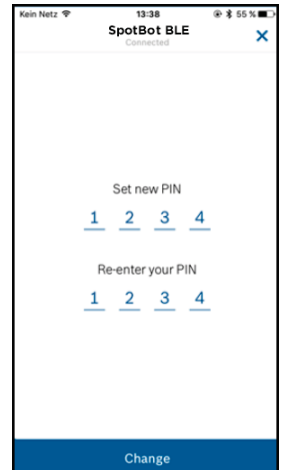
1. Tap Change PIN to set a new PIN.
2. Set the new PIN and re-enter the new PIN.
3. When ready, tap Change to apply the new PIN.

NOTICE

No SpotBot BLE Access without valid PIN!

You cannot configure the SpotBot BLE without a valid PIN.
Consider that it is impossible to reset the PIN, even at the factory.

- ➔ Always make a note of the PIN and store it in a safe place.



4.4.3. Clearing the Data

1. Tap Clear Data to clear the logging data.
A new window *Do you want to clear all logged data stored on the SpotBot BLE?* appears.
2. Tap Clear to clear the data.

4.4.4. Reset

1. Tap Reset.
A new window *All setup and logged data will be cleared. Do you want to continue?* appears.
After the reset the device will be in the delivery state.
2. Tap Reset.
The LED blinks red three times to confirm the reset.

4.5. Reading and Transferring Data

4.5.1. Reading the Data

1. Connect your smartphone to a configured SpotBot BLE.



TIP - Overview Screen

This screen provides an overview of the four parameters, showing you at a glance if any violations have occurred during the logging period. Green check marks indicate that no violation has occurred, whereas an exclamation mark indicates that the limit values have been exceeded at least once during the logging period. If an icon is shown grayed out, no limit value has been defined for this parameter.

2. Tap Download details.
3. Confirm Stop logging & download.
4. Enter your PIN.



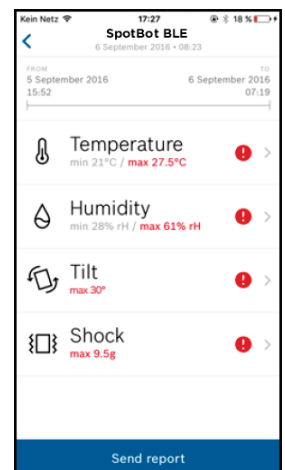
NOTICE

Risk of Data Loss!

An interrupted connection can cause damage to data.

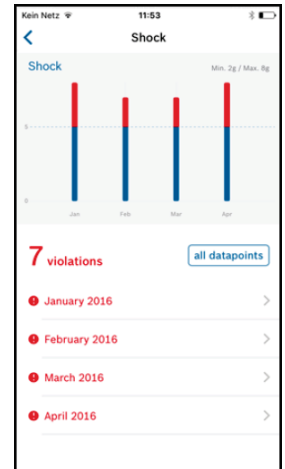
- ➔ Do not lock your phone while downloading data.

5. Tap Show details. The summary screen appears.
6. Tap the desired measurement parameter to view those measurements.





7. Tap an entry date for more detailed information.



4.5.2. Transferring Data

1. Follow the steps in Reading the Data on page 15 until the summary screen appears. Alternatively, choose a recent log file from the Log Files folder and open it. Go to the summary screen.



INFO - Email Account

The report will be sent from the e-mail account on your smartphone.

- ➡ Ensure that the e-mail account on your smartphone is configured correctly.
- ➡ Ensure that the e-mail address in the app is valid.

2. Tap Send report.
3. Your smartphone will start your e-mail program and open an e-mail with the predefined address (see Configuring the SpotBot BLE on page 11). You can add additional addressees if required.

The email contains:

- General information, such as SpotBot BLE identification number, SpotBot BLE name and duration of the transport
- Configured limit values for all parameters
- Minimum and maximum values that were measured during the transport
- A graphical transport summary
- The CSV file that contains all the raw data and additional information, such as the shock intensity to help analyze the shock event



INFO - Importing Data to Excel

Some programs may show unintended characters due to an incompatible character set.

- ➡ Ensure that your data reading program is set to UTF-8 character format.

4.6. Blinking Patterns

The SpotBot BLE is equipped with a two-color LED to indicate the status of the SpotBot BLE.



FIGURE 3 | LED on the SpotBot BLE

Color	Behavior	Meaning	Triggered by	
			Mobile App	Device
	Blinks 3 times (2 Hz)	TDL starts logging TDL continues logging	Tap Start Logging Tap Disconnect while logging	After transferring the configuration push the button for 2 to 5 s
	Blinks 3 times (2 Hz)	TDL does not start logging TDL has been reset	Tap Disconnect while not logging Tap Reset	
	Blinks 3 times (10 Hz)	Configuration transmission or change setup has been successful	Transfer a configuration or changed setup to the TDL	
	Blinks 3 times (10 Hz)	Configuration transmission or change setup has failed	Transfer a configuration or changed setup to the TDL Possible reasons: Vibrations or a bad Bluetooth connectivity	
	Blinks reiteratively (0.2 Hz)	Bluetooth is enabled, either connection or advertising		Push the button for 0.3 to 1.5 s
	Lights up for 3 s	No violation has been registered		Push the button for 0.3 to 1.5 s
	Lights up for 3 s	One or more violations have been registered		Push the button for 0.3 to 1.5 s
	Lights up for 1 s	Invalid operation, Bluetooth connection is already established Invalid operation, TDL is not ready to start logging or is already logging		Any button press Button press for 2 to 5 s
	Blinks 5 times (10 Hz)	TDL starts up after battery change		Change of battery

5. Maintenance

CAUTION



Damage to Materials can cause Risk of Fire!

Liquid which enters the device can cause short circuits and damage the device. This could cause fire, data loss and incorrect measurements.

- ➔ Ensure that the mounting plate is positioned correctly.
- ➔ Verify that the silicon cover fits smoothly into the indentation of the plate.
- ➔ Always fasten the screws with a torque of 0.5 Nm. Otherwise the specified protection class can be lost!

5.1. Changing the Battery

The battery is accessible from the bottom of the SpotBot BLE.

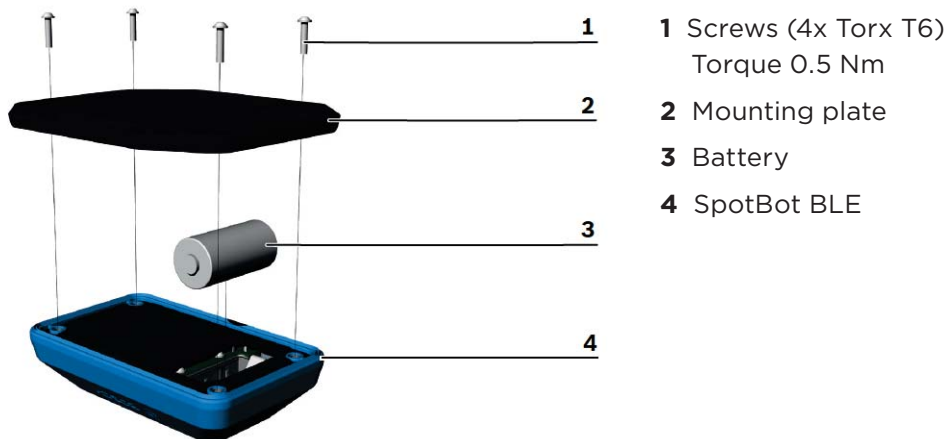


FIGURE 4 | Changing the Battery

NOTICE

Risk of Data Loss!

No data can be measured or stored while the battery is being changed.

- ➔ Always stop logging before removing the battery.



1. Stop logging.
If desired transfer the data to your smartphone (refer to Reading the Data on page 15).
2. Place the SpotBot BLE down so that its bottom is facing upwards.
3. Remove the four screws by using a Torx T6 screwdriver.
4. Remove the mounting plate.
5. Change the battery (CR 123A Lithium Battery).
6. Position the mounting plate on the SpotBot BLE.
7. Fasten the four screws with a torque of 0.5 Nm.

The SpotBot BLE is now ready for use and can be configured (see Operation on page 10).

6. About these Operating Instructions

Ensure that the SpotBot BLE is working correctly by reading these instructions carefully before using the SpotBot BLE.

6.1. Meanings of the used signal words

CAUTION



Indicates a hazard that could lead to minor or moderate injuries.

➔ Always follow these instructions.

NOTICE

Indicates a danger that could lead to damage or destruction of the device or loss of function.

➔ Always follow these instructions.

6.2. Meanings of INFO and TIP



INFO General information and instructions that must be followed



TIP Practical Advice

7. Safety and Environment

CAUTION



Lithium Battery!

The device contains a lithium battery. Handling the battery incorrectly could cause a fire.

- ➔ Use only original or approved batteries.
- ➔ Read and follow the valid transportation regulations.

CAUTION



Opening the Casing without Authorization!

Opening the casing without authorization will void any warranty and includes risks of injury to the user.

- ➔ Do not open the housing.

7.1. Radio Frequency Radiation Exposure and Further Information

The radiated output power of the device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such a manner that the potential for human contact during normal operation is minimized (see Device Specification on page 7).

7.2. Disposal

Disposing of this product correctly will help save valuable resources and prevent any potential negative effects on human health and the environment, which could otherwise arise from inappropriate waste handling.

Please contact your local authority for further details of your nearest designated collection point. Penalties may be applicable for incorrect disposal of this waste, in accordance with your national legislation. For further information please refer to chapter Recycling on page 20.

8. Regulatory Notices

8.1. Recycling

Disposal according to the WEEE Directive 2012/19/EU



The unit, accessories and packaging should be sorted for environmental friendly recycling. Do not dispose of the device into household waste! According to the European Guideline 2012/19/EU, electric and electronic devices that are no longer usable must be collected separately and disposed of in an environmentally correct manner.

For disposal in countries outside of the European Union

This symbol is only valid in the European Union (EU). If you wish to discard this product please contact your local authorities or dealer and ask for the correct method of disposal.

8.2. EU Declaration of Conformity

Hereby, Bosch Connected Devices and Solutions GmbH declares that the radio equipment type SpotBot BLE is in compliance with Directive 2014/53/EU (Radio Equipment Directive).

- Radio power max. 4 mW
- Frequency band 2400 - 2483.5 MHz



Contact us for the full text of the EU declaration of conformity.

8.3. Federal Communications Commission (FCC) Notice

FCC has issued an EQUIPMENT AUTHORIZATION to Bosch Connected Devices and Solutions GmbH for XDK110 according to FCC rule parts 15 C with the FCC ID: 2ADSJTDL110

The manufacturer is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications may void the FCC authorization to operate this equipment.

NOTE: 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.



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BLE

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8.4. ISED Canada (IC) Notice

Industry Canada (now ISED Canada) has granted to Bosch Connected Devices and Solutions GmbH the IC ID: 12595A-TDL110.

This device complies with 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, including interference that may cause undesired operation.

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

8.5. IMDA Singapore Notice

The TDL110 has been registered with the Infocommunications Media Development Authority under regulation 20(6) of the Telecommunications (Dealers) Regulations (Cap 323, Rg 6) and approved for sale in Singapore under Dealer's License DB101762.

Complies with
IMDA standards
DB101762

8.6. Japanese Radio Law (電波法) Notice

This device is granted pursuant to the Japanese Radio Law (電波法) and registered as radio equipment R: 202-LSE086. This device should not be modified (otherwise the granted designation number will become invalid).



8.7. China Notice

This device has passed the type approval by SRRC and has been granted the CMIIT ID 2016DJ6299.

8.8. Australia Notice

This device complies with the requirements of the relevant ACMA Standards made under the Radiocommunications Act 1992 and the Telecommunications Act 1997.



8.9. Malaysia Notice

This device complies with the Standard MCMC MTSFB TC T007:2014 under the Common ID CIDF17000080.



8.10. Philippines Notice

Type acceptance of this device is issued to Bosch Connected Devices and Solutions GmbH for use in the Philippines subject to existing NTC rules and regulations: Certificate N°. ESD-1714430C.



8.11. Thailand Notice

Declaration of Conformity has been confirmed for this device by Thailand NBTC.



SpotSee™



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SpotBot™
BLE

PRODUCT MANUAL

8.12. Bluetooth®

The SpotBot BLE has been granted the Bluetooth® Listing by the BT-SIG.



8.13. Other Certifications

For information on other certifications please, contact our SpotBot BLE support at techsupport@spotsee.io.

8.14. Export Restrictions

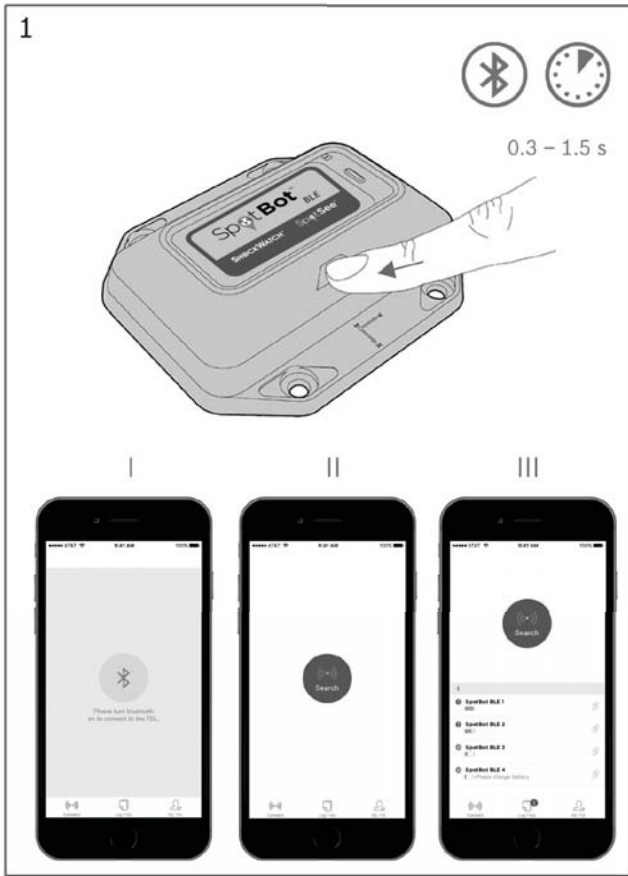
Due to legal regulations the device is not available in the following countries or regions: Cuba, Crimea, Iran, North Korea, Syria and Ukraine.

Neither the SpotBot BLE nor a potential product derivation, are designed, intended, or authorized for use as components in systems intended for surgical implant into the body, or other applications intended to support or sustain life, or for any other application in which the failure of the Bosch product could create a situation where personal injury or death may occur.

The same applies for any kind of weapon, or any device or application which is potentially dangerous for human life.

SpotSee™

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EN

Quick Start Guide

The full description of the SpotBot BLE is available at: www.spotsee.io/impact/spotbot-ble

Connection to SpotBot BLE (Figure 1)

1. Start the SpotBot BLE App. You will find the App “SpotBot BLE” in your Apple App Store or Google Play Store free of charge.
2. Activate Bluetooth on your smartphone.
3. To activate the SpotBot BLE press the button on the device from 0.3 to 1.5 seconds.
4. To find the activated SpotBot BLE tap “Search”.
5. Choose the SpotBot BLE and confirm the connection by tapping “Pair”.

Configure the SpotBot BLE (Figure 2)

NOTICE No SpotBot BLE Access!

You cannot configure the SpotBot BLE without a valid PIN. It is impossible to reset the PIN; even at the factory.

- ▶ Always make a note of the PIN and store it on a safe place.

NOTICE Convention for Characters

For email and device name only defined characters are usable.

- ▶ These characters are allowed: [A-Z][a-z][0-9][@,;|/|+_*_]

1. To configure your app follow the steps shown in the app(e-mail (option) for data transfer, device name, PIN, logging parameter).
2. To start logging immediately tap “Start logging and disconnect”.
To start logging later, tap “Disconnect” in the app. When desired, press the button between 2 and 5 seconds on the SpotBot BLE to start logging. The SpotBot BLE blinks three times green to confirm that logging has started.

Data Transfer (Figure 3)

Connect your smartphone with the configured SpotBot BLE. Follow the steps in the app to display and download

⚠ CAUTION! Lithium Battery!

The device contains a lithium battery. Handling the battery incorrectly could cause a fire.

- ▶ Use only original or approved batteries.
- ▶ Read and follow the valid transportation regulations, if necessary.

NOTICE Forfeiting the Warranty!

Opening the casing without authorization could present risks to the user and will void any warranty.

- ▶ Do not open the housing.
- ▶ Use only original or approved accessories.



Kurzanleitung

Die ausführliche Beschreibung SpotBot BLE findet sich im Downloadbereich unter:

www.spotsee.io/impact/spotbot-ble

Verbindung mit dem SpotBot BLE (Bild 1)

1. Starten Sie die SpotBot BLE-App, die Sie unter dem Begriff „SpotBot BLE“ in Ihrem Apple App Store oder Google Play Store kostenlos finden.
2. Aktivieren Sie Bluetooth an Ihrem Smartphone.
3. Zur Aktivierung des SpotBot BLE drücken Sie den Button an Ihrem Gerät für 0,3 bis 1,5 Sekunden.
4. Drücken Sie „Search“, um aktivierte SpotBot BLE zu finden.
5. Wählen Sie den gewünschten SpotBot BLE und bestätigen Sie die Verbindung durch Drücken auf „Pair“ (Koppeln).

Einrichten des SpotBot BLE (Bild 2)

HINWEIS Kein Zugriff auf den SpotBot BLE!

Ohne PIN ist die Konfiguration des SpotBot BLE nicht möglich. Die PIN kann auch werksseitig nicht zurückgesetzt werden.

- ▶ Notieren Sie sich immer die vergebene PIN für den jeweiligen SpotBot BLE und bewahren Sie diese an einem sicheren Ort auf.

HINWEIS Zeichenkonvention

Für Mail-Adresse und Gerätenamen können nur bestimmte Zeichen verwendet werden.

- ▶ Verwenden Sie nur die Zeichen [A-Z][a-z][0-9][@,;,\|/+*_]

1. Folgen Sie den Schritten in der App, um den SpotBot BLE zu konfigurieren (optionale E-Mail-Adresse für Datenversand, Gerätenamen, PIN, Überwachungsparameter).
2. Drücken Sie „Start logging and disconnect“, um die Aufzeichnung sofort zu starten. Für einen späteren Start drücken Sie „Disconnect“ in der App. Zum gewünschten Startzeitpunkt drücken Sie den Button am SpotBot BLE für 2 bis 5 Sekunden, um die Aufzeichnung erst dann zu starten. Ein dreimaliges grünes Blinken des SpotBot BLE signalisiert, dass der Logging-Vorgang gestartet wurde.

Datentransfer (Bild 3)

Verbinden Sie Ihr Smartphone mit dem eingerichteten SpotBot BLE und folgen Sie den einzelnen Schritten zur Anzeige und zum Download der Daten in der App.

▲ VORSICHT! Lithium-Batterie!

Das Gerät enthält eine Lithium-Batterie. Unsachgemäße Behandlung kann zu einem Brand führen.

- ▶ Verwenden Sie nur freigegebene Batterien.
- ▶ Beachten Sie gegebenenfalls die geltenden Transportvorschriften.

HINWEIS Garantieverlust!

Unbefugtes Öffnen des Gehäuses kann das Gerät beschädigen. Der Garantieanspruch, soweit vorhanden, erlischt.

- ▶ Öffnen Sie das Gehäuse nicht. Verwenden Sie nur originales oder freigegebenes Zubehör.

Breve introduzione

Una descrizione esauriente del SpotBot BLE è disponibile nell'area download della pagina

www.spotsee.io/impact/spotbot-ble

Collegamento al SpotBot BLE (figura 1)

1. Avviare l'app SpotBot BLE, disponibile gratuitamente alla voce “SpotBot BLE” nell'Apple App Store o nel Google Play Store.
2. Attivare Bluetooth sul proprio smartphone.
3. Per attivare il SpotBot BLE, premere il pulsante sul dispositivo per un tempo da 0,3 a 1,5 secondi.
4. Premere “Search” (Trova) per trovare il SpotBot BLE attivato.
5. Selezionare il SpotBot BLE desiderato e confermare il collegamento premendo “Pair” (accoppiamento).

Configurazione del SpotBot BLE (figura 2)

NOTA Nessun accesso al SpotBot BLE!

Senza PIN è impossibile configurare il SpotBot BLE. Neppure il costruttore può resettare il PIN.

- ▶ Annotare sempre il PIN assegnato per il rispettivo SpotBot BLE e conservarlo in un luogo sicuro.

NOTA Caratteri utilizzabili

Per l'indirizzo e-mail e il nome dell'apparecchio si possono utilizzare soltanto determinati caratteri.

- ▶ Utilizzare solo i caratteri [A-Z][a-z][0-9][@,;,\|/+*_]

1. Seguire i passaggi dell'app per configurare il SpotBot BLE (indirizzo e-mail opzionale per l'invio di dati, nome apparecchio, PIN, parametri di monitoraggio).
2. Premere “Start logging and disconnect” (Avvia login e disconnetti) per iniziare immediatamente la registrazione. Per avviare la registrazione in seguito, toccare “Disconnect” (Disconnetti) nella app. Quando desiderato, premere il tasto tra i 2 e i 5 secondi sul SpotBot BLE per avviare la registrazione. Se il SpotBot BLE lampeggia tre volte di luce verde, significa che è stato avviato il processo di login.

Trasferimento di dati (figura 3)

Collegare lo Smartphone al SpotBot BLE configurato e seguire i singoli passaggi per visualizzare e scaricare i dati nella app.

▲ ATTENZIONE! Batteria al litio!

L'apparecchio contiene una batteria al litio. Una manipolazione errata può causare incendio.

- ▶ Utilizzare soltanto batterie omologate.
- ▶ Attenersi alle eventuali prescrizioni in vigore per il trasporto.

NOTA Perdita di garanzia!

L'apertura non autorizzata dell'alloggiamento può danneggiare l'apparecchio. Gli eventuali diritti di garanzia decadono.

- ▶ Non aprire l'alloggiamento.
- ▶ Utilizzare soltanto accessori originali od omologati.



Guide de démarrage

Pour une description approfondie du SpotBot BLE, rendez-vous dans la rubrique « Download » (téléchargement), à l'adresse www.spotsee.io/impact/spotbot-ble

Connexion au SpotBot BLE (Figure 1)

1. Démarrez l'application SpotBot BLE, téléchargeable gratuitement dans votre Apple App Store ou Google Play Store, sous le nom « SpotBot BLE ».
2. Activez le Bluetooth de votre smartphone.
3. Pour activer le SpotBot BLE, appuyez sur le bouton de votre appareil pendant 0,3 à 1,5 secondes.
4. Appuyez sur « Search » (rechercher) pour trouver le SpotBot BLE activé.
5. Sélectionnez le SpotBot BLE souhaité et confirmez la connexion en appuyant sur « Pair » (Appairer).

Paramétrage du SpotBot BLE (Figure 2)

INDICATION Accès au SpotBot BLE impossible !

La configuration du SpotBot BLE est impossible sans code PIN. Le code PIN ne peut pas non plus être réinitialisé en usine.

- ▶ Notez toujours le code PIN attribué au SpotBot BLE et conservez-le dans un endroit sûr.

INDICATION Liste des caractères

Seuls certains caractères peuvent être utilisés dans les adresses e-mails et dans les noms d'appareils.

▶ Utilisez uniquement les caractères [A-Z][a-z][0-9][@,;|/|+*~_]

1. Pour configurer le SpotBot BLE, suivez les étapes de l'application (adresse e-mail facultative pour l'envoi de données, nom de l'appareil, code PIN, paramètres de surveillance).
2. Appuyez sur « Start logging and disconnect » (commencer l'enregistrement et déconnecter) pour démarrer immédiatement l'enregistrement. Pour le démarrage ultérieurement appuyez « Disconnect » (déconnecter) dans l'app. A un moment choisi appuyez le bouton à SpotBot BLE pour 2 – 5 secondes pour démarrer l'enregistrement. Trois clignotements verts successifs du SpotBot BLE indiquent que le processus d'enregistrement a démarré.

Transfert de donnée (Figure 3)

Connectez votre smartphone au SpotBot BLE paramétré, puis suivez les étapes pour afficher et télécharger les données dans l'application.

ATTENTION ! Pile au lithium !

L'appareil est alimenté par une pile au lithium. Une utilisation incorrecte peut provoquer un incendie.

- ▶ Utilisez uniquement des piles autorisées.
- ▶ Respectez les consignes de transport, le cas échéant.

INDICATION Annulation de la garantie !

Toute ouverture non autorisée du boîtier peut endommager l'appareil. Le droit de garantie cesse, le cas échéant.

- ▶ N'ouvrez pas le boîtier.
- ▶ Utilisez uniquement les accessoires d'origine ou autorisés.

Guía de inicio rápido

Una descripción detallada del SpotBot BLE se encuentra disponible en el área de descarga de www.spotsee.io/impact/spotbot-ble

Conexión con el SpotBot BLE (figura 1)

1. Inicie la aplicación gratuita del SpotBot BLE, que encontrará en su Apple App Store o Google Play Store con el nombre "SpotBot BLE".
2. Active el Bluetooth de su smartphone.
3. Para activar el SpotBot BLE, mantenga pulsado el botón en su dispositivo de 0,3 a 1,5 segundos.
4. Pulse "Search" ("Buscar") para buscar los SpotBot BLE activados.
5. Seleccione el SpotBot BLE deseado y pulse "Pair" (Emparejar) para confirmar la conexión.

Configuración del SpotBot BLE (figura 2)

NOTA Sin acceso al SpotBot BLE!

El SpotBot BLE no se puede configurar sin el PIN. El PIN tampoco puede restablecerse por parte de la fábrica.

- ▶ Anote siempre el PIN asignado a cada SpotBot BLE y consérvelo en un lugar seguro.

NOTA Convención de caracteres

Para las direcciones de correo electrónico y los nombres de dispositivos solo pueden usarse determinados caracteres.

▶ Utilice únicamente los caracteres [A-Z][a-z][0-9][@,;|/|+*~_]

1. Siga los pasos de la aplicación para configurar el SpotBot BLE (dirección de correo electrónico opcional para el envío de datos, nombre del dispositivo, PIN, parámetros de supervisión).
2. Pulse "Start logging and disconnect" ("Iniciar registro y desconectar") para iniciar el registro inmediatamente. Para posponer la autenticación presione "Disconnect" ("Desconectar") en la app. Cuando desee registrarse, presione el botón de la SpotBot BLE entre 2 y 5 segundos. Un parpadeo verde triple del SpotBot BLE indica que se ha iniciado el proceso de registro.

Transferencia de datos (figura 3)

Conecte su smartphone con el SpotBot BLE configurado y siga los pasos para visualizar y descargar los datos en la aplicación.

¡ATENCIÓN! Batería de litio

El dispositivo contiene una batería de litio. Un manejo inadecuado puede causar un incendio.

- ▶ Utilice únicamente baterías autorizadas.
- ▶ Tenga en cuenta también las normativas de transporte vigentes.

NOTA Pérdida de la garantía

La apertura no autorizada de la carcasa puede dañar el dispositivo. En ese caso, se anula la garantía existente.

- ▶ No abra la carcasa.
- ▶ Utilice solo accesorios originales y autorizados.



简要说明

关于 SpotBot BLE 的详细说明, 可参阅 www.spotsee.io/impact/spotbot-ble

连接 SpotBot BLE (图 1)

1. 启动 SpotBot BLE 应用程序, 您可在 Apple App Store 或 Google Play Store 以及中国的 Baidu 手机助手中的“SpotBot BLE”标题下免费查找该应用程序。
2. 激活智能手机上的蓝牙。
3. 激活 SpotBot BLE 时按住设备上的按钮 0.3 至 1.5 秒。
4. 按下“Search” (搜索), 查找已激活的 SpotBot BLE。
5. 请选择所需的 SpotBot BLE 通过按“Pair” (配对) 确认连接。

安装 SpotBot BLE (图 2)

提示 无法访问 SpotBot BLE!

没有 PIN 码不能对 SpotBot BLE 进行配置。工厂方面也无法重置 PIN 码。

- ▶ 请务必记下为相应 SpotBot BLE 分配的 PIN 码, 并将其保存在安全位置。

提示 符号规则

邮箱地址和设备名称仅可使用特定的符号。

- ▶ 只能使用符号 [A-Z][a-z][0-9][@,;/\+*_]

1. 按照应用程序中的步骤对 SpotBot BLE, 进行配置 (用于发送数据、设备名称、PIN 码、监控参数的可选电子邮箱)。
2. 按下“Start logging and disconnect” (开始记录然后断开), 立即开始录制。
如需稍后开始, 请按下应用程序上的“断开”。请按下 SpotBot BLE 上的按钮 2 至 5 秒钟, 以便此时到了所需的开始时间点再开始录制。

调用和发送数据 (图 3)

将智能手机连接至已设置的 SpotBot BLE 并按照各个步骤显示和下载应用程序中的数据。

▲ 小心! 锂电池!

设备包含一块锂电池。错误操作可能会引起火灾。

- ▶ 只能使用许可的电池。
- ▶ 必要时注意现行的运输规定。

提示 质保失效!

擅自打开壳体可能会损坏设备。若有质保, 则质保赔偿要求失效。

- ▶ 不要打开壳体。
- ▶ 只能使用原装或许可的配件。

Краткое руководство

Подробное описание SpotBot BLE можно найти в Интернете в области скачивания файлов:

www.spotsee.io/impact/spotbot-ble

Соединение с SpotBot BLE (Рис. 1)

1. Запустите бесплатное приложение App «SpotBot BLE» которое вы можете найти в вашем Apple App Store, или Google Play Store указав в поиске: SpotBot BLE.
2. Включите Bluetooth на вашем смартфоне.
3. Для включения SpotBot BLE нажмите кнопку на вашем приборе и держите ее от 0,3 до 1,5 секунд.
4. Нажмите на “Search”, чтобы найти включенный SpotBot BLE
5. Выберите желаемый SpotBot BLE и подтвердите соединение нажатием на “Pair” (Соединить).

Настройка SpotBot BLE (Рис. 2)

УКАЗАНИЕ Доступ к SpotBot BLE закрыт!

Без PIN-кода настройка SpotBot BLE невозможна. PIN-код не может быть также сброшен на заводе.

- ▶ Всегда записывайте PIN-код соответствующего SpotBot BLE и храните его в надежном месте.

УКАЗАНИЕ Знаковая конвенция

Для адреса электронной почты и наименования прибора могут использоваться только определенные знаки.

- ▶ Используйте только знаки [A-Z][a-z][0-9][@,;/\+*_]

1. Для настройки SpotBot BLE, выполните шаги в приложении App (опциональный адрес электронной почты для передачи данных, имя прибора, PIN-код, параметры контроля).
2. Нажмите на “Start logging and disconnect” чтобы немедленно запустить запись.

Для запуска в более поздний момент времени, нажмите на “Disconnect” в приложении App. В желаемый момент запуска нажмите на кнопку на SpotBot BLE и держите ее от 2 до 5 секунд, чтобы только затем началась запись. Трехкратное мигание зеленой индикации SpotBot BLE сигнализирует о том, что процесс записи запущен.

Передача данных (Рис. 3)

Соедините ваш смартфон с настроенным SpotBot BLE и выполните отдельные шаги для индикации и скачивания данных, указан-ные в приложении App.

▲ ОСТОРОЖНО! Литиевая батарея!

Прибор содержит литиевую батарею. Ненадлежащее обращение с батареей может привести к пожару.

- ▶ Используйте батареи только разрешенного типа.
- ▶ При необходимости, соблюдайте действующие правила транспортировки.

УКАЗАНИЕ Потеря гарантии!

Несанкционированное вскрытие корпуса может привести к повреждению прибора. При этом право на гарантийное обслуживание, если таковое имеется, аннулируется.

- ▶ Не вскрывайте корпус.
- ▶ Используйте только оригинальные или разрешенные принадлежности.