

Model: Indoor (BSV5-S)

PRODUCT NAO® BLUESPOT V5

USER MANUAL

RF Beacon with iBeacon technology.



Please read all the instructions contained in this manual before using the device.



Texts, images, and specifications contained in this document are provided as is and are subject to change at any time without notice.

Overview

NAO® BlueSpot V5 beacons are radio devices based on a Bluetooth® module that enable indoor location, proximity detection and location-based interactions when used with Pole Star's NAO® suite solution.

NAO® BlueSpot V5 Indoor is dedicated for indoor operation.



FIGURE 1 – NAO® BLUESPOT V5 INDOOR BEACON PARTS

NAO® BlueSpot V5 beacon consists of the following parts:

- A body (1) that includes an electric circuit, label markings and receives batteries (A).
- A cover (2) with legal markings that can slide to replace batteries (A).
- A bracket mounted with an adhesive pad (3). Upon reception, the body is already mounted to the bracket.

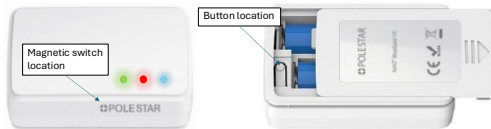


FIGURE 2 – NAO® BLUESPOT BUTTON AND LED PLACEMENT

NAO® BlueSpot V5 beacons come with 2 Lithium-based, AA type, primary batteries. If needed, the devices can be either powered by only 1 battery, dividing the autonomy by two.



Getting started

NAO® BlueSpot V5 beacons come factory configured to enable quality control upon reception. The button can be triggered by pressing the inner button or by approaching a magnet to the Pole Star logo on the side of the device. The button press behavior is the following one:

- Single pressing the button triggers the 3 LEDs and quickens the beaconing for 30 seconds.
- Pressing the button for 3 seconds turns the device ON and OFF.
- Triple pressing the button reboots the device. The boot sequence contains a green LED blink, 5 blinks of the three LEDs, a 5-second pause and a solid green blink. If the red LED blinks, do not install the device and contact Pole Star for support.

Then, NAO® Suite is the unique tool to use to activate the device. Using the default configuration proposed by the NAO® Suite should fit your needs for most applications. Otherwise, auxiliary features can be enabled using NAO® Cloud platform and NAO® Logger mobile application. Please contact Pole Star support for additional configuration. Please visit <https://www.nao-cloud.com/faq> for more information.

Assembly and Installation



Always install devices indoors, at room temperature, in a non-condensing atmosphere, before mounting them at their final location.



When installed, the logo should be placed on the right or on top side of the device to prevent any unintended falls. Remember to leave enough space (8 cm, 3 in) around the device to enable replacement.

NAO® BlueSpot V5 Indoor beacon ships with adhesive pads to install the device on a flat surface in an indoor environment.



Before installing the device using the adhesive pad, please ensure that:

- The mounting surface is indoor, flat, clean, and dust-free.
- The adhesive pad has not been already used and is dust-free.

1. If needed, slide the body into the bracket to assemble the device.
2. Clean the substrate surface with Isopropyl Alcohol derived solvent.
3. Remove the plastic shield from the adhesive pad.
4. Fasten onto the desired flat surface, preferably on a wall, or under a ceiling.



Don't install at any locations where liquids could immerse the device (ex: on the floor).



Adhesive pad strength is maximal 24-hours after installation.

Battery replacement

To replace the batteries, slide the back cover of the device to the bottom.

Only replace batteries with the same or equivalent type recommended by the manufacturer.



Danger of explosion if battery is incorrectly replaced.



Do not mix old and new batteries.



Please refer to the Disposal section for additional information.

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NAO® BLUESPOT V5

Technical specifications

NAO® BlueSpot V5 Indoor	
Dimensions	73.8 x 46.3 x 23.5 mm without bracket 73.8 x 46.3 x 26.5 mm with bracket
Weight	32 g (65 g with 2-batteries)
Material	ABS
Batteries	5200 mAh, 2x AA Size, Li-SoCl2, Primary type, replaceable
Voltage and capacity	3.6 V, 2600 mAh (typ.)
Ingress Protection	IPX2
Operating Temperature	-40°C to + 85°C
Altitude	< 2000m above sea level
Radio frequencies	2400 - 2483.5 MHz
Transmission power	From -40 dBm (0.1 µW) to +4 dBm (2.5 mW).

Safety instructions

- Do not immerse or soak the device in any liquid.
- Do not touch nor disassemble any internal parts without authorization.
- Never attempt to short-circuit, nor disassemble the batteries.
- Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.



Troubleshooting

Problem	Possible Causes	Solutions
The status light does not show at battery insertion	Batteries are not correctly inserted. Battery polarity is wrong.	Remove the batteries. Wait at least 5 seconds before inserting them back the with respect to the polarity.
	Batteries are empty.	Replace the batteries.
	There is either a hardware or software failure.	Do not install. Contact assistance.
The status light shows red	Batteries voltages are too low	Replace the batteries.
	There is either a hardware or software failure	Do not Install. Contact Assistance.



For any unresolved questions or problems, please read the Contact Pole Star section.

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Regulatory Compliance

The regulatory model name for NAO® BlueSpot V5 Indoor beacon is BSV5-S.

EU Regulatory Compliance



Pole Star SA declares that NAO® BlueSpot V5 Indoor is in accordance with the essential requirements and relevant provisions of 2014/53/EU Directive for Radio Equipment Devices (RED).

Applied harmonised standards:

- EN 300 328 V2.2.2 (Radio spectrum)
- EN 301 489-1 / EN 301 489-17 (EMC)
- EN IEC 62368-1 (Safety)
- EN 62311 (Human RF exposure)

EU RoHS



Pole Star SA products also comply with the EU Restriction of Hazardous Substances Directive 2011/65/EC (RoHS). EU RoHS restricts the use of specific hazardous materials in the manufacture of electrical and electronic equipment.

FCC Class B Part 15



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- this device may not cause harmful interference.
- this device must accept any interference received, including interference that may cause undesired operation.

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.
- Consult the dealer or an experienced radio technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. End users must follow the specific operating instructions for satisfying RF exposure compliance.

FCC ID: 2BTMS-BSV5-S

Responsible Party:

Pole Star USA Inc

NAO_BlueSpot_V5_series_UserManual-EN-V1.0 PS1099-12/2025-SC/SC



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Australia and New Zealand (RCM)



Pole Star SA declares that NAO® BlueSpot V5 Indoor is in accordance with the essential requirements and relevant provisions of:

- AS/NZS CISPR 32:2015+A1:2020 (Electromagnetic compatibility)
- AS/NZS 4268:2017+A1:2021 (Short range devices)
- AS/NZS 2772.2:2016 (Human RF exposure)

Disposal

Do not dispose of the unit, its batteries, or any damaged part as unsorted waste.



Pole Star products at end of life are subject to separate collection and treatment in the EU Member States, Norway, and Switzerland and therefore are marked with the symbol shown at the left (crossed-out wheellie bin).

The treatment applied at end of life of these products in these countries shall comply with the applicable national laws of countries implementing Directive 2012/19/EU on Waste of Electrical and Electronic Equipment (WEEE).

Warranty

This hardware product is protected by the standard Pole Star SA warranty on defects. For more information, please refer to Pole Star's WARRANTY ON HARDWARE DEFECT.

Altering the hardware product (such as painting it) voids the warranty.

Contacting Pole Star

Support

For any question regarding operations, technical specifications or safety instructions, please contact us through any of the following channels:

Website <http://www.polestar.eu>
Email support@polestar.eu

EMEA offices
Pole Star SA
11, rue Paulin Talabot
31170 Toulouse – FRANCE
+33 (0) 534 609 520

US offices
Pole Star USA Inc
Industrious Chicago Central Loop
231 S LaSalle St Suite 2100, Chicago, IL 60604, USA
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Regulatory

For any regulatory question, please contact us through any of the following channels:

Website <http://www.polestar.eu>
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