PRODUCT SPECIFICATIONS

BLE Beacon Wired BT-ASC-BV

24 V WIRED VERSION

BT-ASC-BV · V01R03 · 2026-10-15

Give every room a digital identity

The BLE Beacon Wired is a beacon that is installed at a fixed, known position. It continuously broadcasts its unique identifier, so any scanning handset can confirm proximity to the beacon and instantly knows the location it is in.

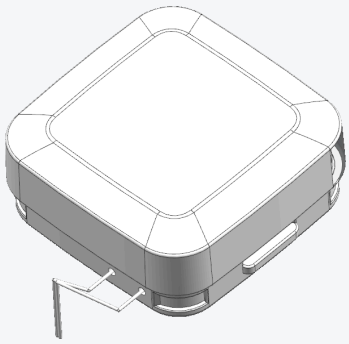
The BT-ASC-BV is the **wired version**: powered from a 24 V supply, it never needs a battery change.

Its compact form factor allows easy flush mounting in standard electrical back boxes, or on walls and (false) ceilings in hard-to-reach areas such as elevators.

Based on its built-in sensors, the beacon broadcasts its operation voltage and temperature next to its location information, as well as its movement status to signal sabotage or theft of the beacon.

Configuration is done over BLE and is password-protected. The following parameters can be changed:

- UUID, Major, Minor
- Advertising interval and mode
- Telemetry update rate
- Transmission power
- Accelerometer parameters
- Password



AT A GLANCE

Radio	**BLE · 2.4 GHz**
Frames	**iBeacon & Blyott**
Antenna	**PIFA · 2.4 GHz**
Power	**24 V DC (4.75 – 36 V)**
Sensors	**Movement + Temperature**
Protection	**IP65**

A range of use cases

- ✓ Room-level location of staff via handset scanning.
- ✓ Permanently powered installations, with no battery maintenance.
- ✓ Tamper & movement alarm: displacement is flagged immediately.

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All specifications BT-ASC-BV

GENERAL

Radio	BLE, 2.4 GHz (Nordic nRF54L15)
Advertising	iBeacon & Blyott frames · 100 / 300 / 500 ms interval, 6 selectable modes
Transmission power	+4 dBm to −18 dBm, configurable
Antenna	Compact 2.4 GHz surface-mount PIFA antenna
Sensors	Built-in 3-axis accelerometer with temperature sensor
Telemetry	Operation voltage, temperature and movement status, every 15 min (configurable)
Configuration	Over BLE, password-protected
Power	24 V DC nominal (4.75 – 36 V input range)
Power consumption	9.2 mA (peak)
Customized version	Also available as a customizable variant, article BT-ASC-BV-CUS
Accessories	BT-ASC-BV-MB · Mounting Bracket BT-ASC-BV-EB · Back Box Holder BT-ASC-BV-IK · IK10 Housing

PHYSICAL

Dimensions	40.77 × 40.77 × 18.48 mm
Accessory dimensions	BT-ASC-BV-MB · 44.76 × 44.60 × 10.55 mm BT-ASC-BV-EB · 70.50 × 24.01 × 50.50 mm (incl. mounting ears) BT-ASC-BV-IK · 126 × 126 × 29 mm
Casing	ABS
Color	White (RAL 7036 · NCS S4000-N)
Indicators	Green + red LED

CHEMICAL AND MECHANICAL

Protection	IP65
Operating temperature	−18 °C to +55 °C (non-condensing)
Certificates	CE, FCC, RCM, IP65, RoHS, REACH

FCC CAUTION

This device complies with Part 15 of the FCC Rules. 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.

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

About Blyott

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IMPORTANT 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.

FCC RADIATION EXPOSURE STATEMENT

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.