

Codepoint
Codepoint
CR123A
Ruggedized BLE
Beacon



Codepoint CR123A Ruggedized BLE Beacon Instructions

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Codepoint CR123A Ruggedized BLE Beacon



Product Description

The CB1000-00-00 is a ruggedized BLE beacon designed for deployment in harsh indoor and some outdoor environments. With an extra thick and strong ABS housing, the beacon is designed for punishment making it the ideal choice for applications where reliability is key.

This device can be attached in many places as the beacon has been designed with mounting in mind. The case has mounting holes for M4 screws so you can mount it wherever you like. Double sided tape can also secure this to a smooth surface if needed for your application.

This device is powered by two non-rechargeable CR123A Lithium batteries that can provide more than 5 years of operation in harsh environments. Access to the batteries is secured when it is mounted using M4 screws

Key Features

- Ruggedized weatherproof housing for harsh/secured environments
- Low power technology offers 5+ years of battery life
- Flexible mounting options: security screws and/or double-sided tape
- Adjustable Power and Transmit Intervals: -20 to +4.0 dBm, 20 to 10240 msec
- Configurable beacon data format
- Magnetic activation and status check
- 2-color LED (red/green) status indicator visible from 1 meter
- Does not require a BLE client device to activate or verify operation
- BLE OTA update and configuration
- Supports filtered scanning applications

Specifications

- 2.4GHz BLE Beacon
- Color: White
- Dimensions (L x W x D): 4.09 x 3.11 x 1.51 inches (104 x 79 x 38.43 mm)
- Mounting holes: M4 Screws x 3.6 inches (91.75 mm)
- ABS plastic ruggedized case
- Power: Two CR123A non-rechargeable lithium batteries
- Environmental

- Operating temperature: -4°F – 131°F (-20°C – 55°C)
- UV Exposure: Some UV protection, for longest life possible place device out of direct sunlight when possible
- IP Rating: IP65 compliant /IP66 when mounted with M4 screws
- 2.4GHz internal ceramic antenna (external not supported)

FCC Statement

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

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

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

Maintenance:

Ensure the beacon is kept away from direct sunlight whenever possible to prolong its lifespan. Regularly check the device for any signs of damage or wear and tear.

FAQ

• Q: How long do the batteries last?

A: The two CR123A non-rechargeable lithium batteries can provide more than 5 years of operation in harsh environments.

• Q: Can the beacon be used outdoors?

A: The beacon is designed for deployment in harsh indoor and some outdoor environments, but it is recommended to avoid direct sunlight when possible.

• Q: What is the IP rating of the beacon?

A: The beacon has an IP65 compliant rating, which increases to IP66 when mounted using M4 screws.

Documents / Resources

