

RADIANT T21 BEACON DEVICE

Instruction Manual

INTRODUCTION

Radiant's "Bluetooth Beacon T21" RADMEDIA-BLE-T21, subsequently identified with the terms "product," "device," or "beacon") is a Bluetooth Low Energy (BLE) beacon primarily used for Industrial Asset Tracking solutions. Radiant's beacons utilize iBeacon(TM) technology or Eddystone(TM) format specifications with proprietary firmware.

Before you start using a beacon device, verify that it is undamaged and carefully read the instructions in this user manual, particularly the indications in the "Safety" section.

Radiant RFID disclaims any liability if the devices are used in modes and environments incompatible with keeping the product intact, safe, and in operation.

PROCEDURES

Beacon Activation

The battery-powered T21 beacon ships in an activated state. An interior LED briefly flashes red when the battery level is below 20%.

Beacon Use

The T21 beacon transmits advertising frames according to the default settings. To modify beacon configurations, please get in touch with Radiant Support: support@radiantrfid.com

Maintenance

The T21 beacon does not have a replaceable battery. Once the battery is drained, and the beacon does not transmit advertising frames anymore, it should be disposed of.

The beacon must never be opened or cut into. The beacon also must not be exposed to any chemicals.

SAFETY

This information is an integral and essential part of the product (beacon) and must be delivered to the user. Please read carefully, as it contains important installation, use, and maintenance information.

Warnings

- DISPOSE OF BADGE AFTER BATTERY IS DRAINED. THE BADGE DOES NOT HAVE A REPLACEABLE BATTERY.

The beacon must be intended for the use in which it was designed. Any other use is considered improper and, therefore, dangerous.

Before you start using the beacon, verify that it is undamaged.

The beacon is a wireless device. Please be attentive in its use while in range (less than 5 cm) of a pacemaker or other electronic medical life-saving devices, as it transmits radio waves that can interfere with the proper functioning of these devices. Contact the medical device manufacturer for more information.

The company Radiant RFID disclaims any liability for damages caused by inadequate use of the device and the failure to observe the information provided herein.

DISCLAIMER

This manual is intended to provide a summary of our knowledge and some guidance regarding the use of the beacon. The information is accurate to the company's best knowledge (Radiant RFID). This sheet is not intended to be an inclusive document on worldwide hazard communication regulations. The information is provided in good faith. Each user of this material needs to evaluate the conditions of use and define the appropriate protective mechanisms to prevent the exposure of persons, property damage, or release to the environment.

Radiant RFID assumes no responsibility for injury to the recipient or third persons or for any damages resulting from the misuse of the device and its parts.

PRODUCT SPECIFICATIONS & MARKINGS

Manufacturer	Radiant RFID
Manufacturer's Part Number	RADMEDIA-BLE-T21
IP Rating	-20°C to +60°C
Disposal	• DISPOSE OF BEACON AFTER THE BATTERY IS DRAINED. THE BADGE DOES NOT HAVE A REPLACEABLE BATTERY. SUBSTITUTION OF COMPONENTS MAY IMPAIR SAFETY
Battery	Type: CR2477, Primary Lithium Battery
Enclosure Material	Polycarbonate

FCC STATEMENT

1. 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.

(2) This device must accept any interference received, including interference that may cause undesired operation.

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

RF warning statement:

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.