



User Manual

BC2611

(v1.0)

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Table of Contents

Introduction	3
Safety Information	4
Operating Instructions	5
BlueCats Support	5
Regulatory Information	6
FCC	6
IC	7

Introduction

The BC2611 is a dual-band Tag, utilizing both Ultra-Wideband (UWB) and Bluetooth Low Energy (LE) technologies.

UWB allows for centimeter-level ranging between Tags, while Bluetooth LE is used to offload spatial logging events in a battery-efficient manner. The combination provides tracking accuracy and up to 60 days of battery life on a single charge.

The BC2611 is equipped with various means of notification in case of distance violation events, including noise alerts, haptic vibration, and a flashing LED.



WARNING: Read through this entire User Manual before operating the product. Failure to follow the included instructions and safety warnings may result in damage to the product or other property.



Figure 1. The BC2611 Tag.

Safety Information

Read and follow all instructions in this User Manual before using this product.



WARNING: Changes or modifications not expressly approved by BlueCats could void your authorization to operate this product.

- Do not use the BC2611 if it is damaged.
- Do not use in environments that exceed temperature and humidity requirements.
 - Operating temperature: -20°C to $+60^{\circ}\text{C}$
 - Ingress protection: IP66
 - Max ambient temperature: 50°C
- Do not place or leave the Tag on a heat source.
- Do not open the Tag. It does not contain any user-serviceable parts or replaceable parts.
- Dispose of non-functioning Tags in accordance with local regulations.
- This product is intended to be used at an altitude $<2000\text{m}$.
- This product's classification is Pollution Degree 2.

Operating Instructions

BC2611s ship with less than 30% battery power. Tags must be charged before use. BC2611s require either a BC3010 Charging Dock or BC3000 Solo Dock to charge (sold separately).

To prepare your BC2611 for use:

1. Open the box and inspect the Tag for damage.



WARNING: If any issue, damage, or defect is found, please [submit a ticket](#) to BlueCats for assistance. Do NOT attempt to repair the Tag.

2. Insert the Tag into a powered Charging Dock or Solo Dock. When the Tag is successfully docked, the LED at the top of the Tag will blink green to indicate charging.
3. When charging is complete, the LED turns solid green. The Tag is now ready for use.



Note: Complete charging for a drained Tag takes roughly five to six hours.

BlueCats Support

We're here to help. If you need any assistance, please [contact us for technical support](#) via the BlueCats Support site. We also welcome your questions and suggestions to improve your experience with our products.

Regulatory Information

FCC

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.

UWB devices may not be employed for the operation of toys. Operation onboard an aircraft, a ship or a satellite is prohibited.

IC

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions: (1) This device may not cause interference. (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil contient des émetteurs / récepteurs exemptés de licence conformes aux RSS (RSS) d'Innovation, Sciences et Développement économique Canada. Le fonctionnement est soumis aux deux conditions suivantes : (1) Cet appareil ne doit pas causer d'interférences. (2) Cet appareil doit accepter toutes les interférences, y compris celles susceptibles de provoquer un fonctionnement indésirable de l'appareil.

Band	Maximum TX Power
2.402 GHz to 2.480 GHz	+8 dBm