

# B6 Tag – User Guide

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# Introduction

This guide covers the main functions and features of the B6 personnel tag.



The backside has the tag's:

- MAC address
- Buzzer Port

## Use Cases

The **B6** device, also known as the *badge tag*, offers wearers safety and tracking, using either Wi-Fi or BLE network infrastructure. The tag is widely used in fields such as medical/health, schools, mining, and hotel and hospitality—where personal safety and location tracking are essential. The B6 tag's display enables instant communications for vital messages. The safety-pull switch sends an immediate distress signal to enable alert responses.

## Physical Description

- Tag Dimensions: 2.36 x 3.54 x 0.33 in / 60 x 90 x 8.5 mm
- Weight: 1.7 oz / 46 g
- Operating Temperature: 32 to 122 °F / 0 to 50 °C
- Storage Temperature: -40 to 140 °F / -40 to 60 °C
- Humidity: 95 % non-condensing, relative humidity

- Protection: Splash proof ultrasonically welded enclosure with open connector
- Presentation: Worn on lanyard or belt clip attached to the safety pull switch
- Charging: 2-2.5-hour charge time via the charging port with a USB B6 charging cable or in a B6 gang-charger that charges up to 10 tags at the same time. Depending on the location and update frequency, the charge may last three days or longer.
- Cleaning: Clean and sterilize with CaviCide Solution or wipes. (Long term use of Virex TB can damage the tag enclosure and is not recommended.)

**Note:** For detailed specifications, see the B6 Wi-Fi / BLE tag datasheet.

## Certifications

- Pending approval

# Activation and Deactivation

## B6 Activation

1. Place the tag in the charger or connect it to a USB port (using the B6 charging cable).
2. Within three seconds, press and release the BLUE button.



The tag's display will show **ACTIVATED**.

**Note:** If the tag does not activate, the display will show **FAILED**. If this happens, repeat the activation steps.

## B6 Deactivation

1. If the tag is connected to a charge source, disconnect it.
2. Wait 1 or 2 seconds for the charging LED (right side) to turn off.
3. Reconnect the tag to the charge source and wait for the charge LED to light up. **Note:** The charging LED may appear green or red, depending on the current charge level.
4. Press and hold the blue button. The status LED (left side) will blink orange. If the tag has sound enabled, you will also hear a beep.

5. Keep holding the blue button. After 3 more seconds, the display will show DEACTIVATE.
6. Release the button.

The tag should now be deactivated, and the tag will shut down momentarily.

# Tag Programming

The B6 tag default settings can be re-programmed or changed via Sofia's **Send Command(s)** function.

## Warning

Changing tag attributes incorrectly may adversely affect a tag's performance. Therefore, contact AiRISTA at 1-844-816-7127 before making tag programming changes.

### FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

### Specific Absorption Rate (SAR) information:

This B6 Tag meets the government's requirements for exposure to radio waves. The guidelines are based on standards that were developed by independent scientific organizations through periodic and thorough evaluation of scientific studies. The standards include a substantial safety margin designed to assure the safety of all persons regardless of age or health. FCC RF Exposure Information and Statement the SAR limit of USA (FCC) is 1.6 W/kg averaged over one gram of tissue. Device types: B6 tag (FCC ID: TA7-B6) has also been tested against this SAR limit. This device was tested for typical body-worn operations with the back of the device kept 0mm from the body. To maintain compliance with FCC RF exposure requirements, use accessories that maintain a 0mm separation distance between the user's body and the back of the device. The use of belt clips, holsters and similar accessories should not contain metallic components in its assembly. The use of accessories that do not satisfy these requirements may not comply with FCC RF exposure requirements, and should be avoided.

This device is restricted to indoor use where operated in the European and USA. Canada Community using frequency in 5150MHz ~ 5250MHz to reduce the potential for interference.

ISED Statement

- English: This device complies with Innovation, Science and Economic Development license - exempt RSS standard(s).

Operation is subject to the following two conditions: (1) This device may not cause interference, and (2) This device must accept any interference, including interference that may cause undesired operation of the device. The digital apparatus complies with Canadian CAN ICES - 3 (B)/NMB - 3(B).

- French: Le présent appareil est conforme aux CNR d'Innovation, science et développement économique applicables aux appareils

radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This radio transmitter has been approved by Innovation, Science and Economic Development to operate with the antenna types listed with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio a été approuvé par Innovation, science et développement économique pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

Caution:

- (i) The device for operation in the band 5150 – 5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems;
- (ii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the bands 5250-5350 MHz and 5470-5725 MHz shall be such that the equipment still complies with the EIRP limit;
- (iii) For devices with detachable antenna(s), the maximum antenna gain permitted for devices in the band 5725-5850 MHz shall be such that the equipment still complies with the EIRP limits specified for point-to-point and non-point-to-point operation as appropriate; and Operations in the 5.25-5.35GHz band are restricted to indoor usage only.

Avertissement:

- (i) les dispositifs fonctionnant dans la bande de 5150 à 5250MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux;
- (ii) pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis pour les dispositifs utilisant les bandes de 5250 à 5350MHz et de 5470 à 5725 MHz doit être conforme à la limite de la p.i.r.e;
- (iii) pour les dispositifs munis d'antennes amovibles, le gain maximal d'antenne permis (pour les dispositifs utilisant la bande de 5725 à 5850 MHz) doit être conforme à la limite de la p.i.r.e. spécifiée pour l'exploitation point à point et l'exploitation non point à point, selon le cas;

Les opérations dans la bande de 5.25-5.35GHz sont limitées à un usage intérieur seulement.

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IC Radio Frequency Exposure Statement:

This EUT (ISED Certification number:26357-B6) is compliant with SAR for general population/uncontrolled exposure limits in IC RSS-102 and had been tested in accordance with the measurement methods and procedures specified in IEC/IEEE 62209-1528.

This equipment (ISED Certification number:26357-B6) should be installed and operated with minimum distance 0 mm between the radiator and your body/limbs. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Déclaration d'exposition aux fréquences radio électriques de l'IC :

Cet EUT (numéro de certification ISED:26357-B6) est conforme aux limites d'exposition au DAS pour la population générale/non contrôlée de l'IC RSS-102 et a été testé conformément aux méthodes et procédures de mesure spécifiées dans la norme IEC/IEEE 62209-1528.

Cet équipement (numéro de certification ISED:26357-B6) doit être installé et utilisé avec une distance minimale de 0 mm entre le radiateur et votre corps ou vos membres, avec une autre antenne ou un autre émetteur.