



Personnel Display Tag

B4i Tag – User Guide

Version 2.0
December 19, 2024

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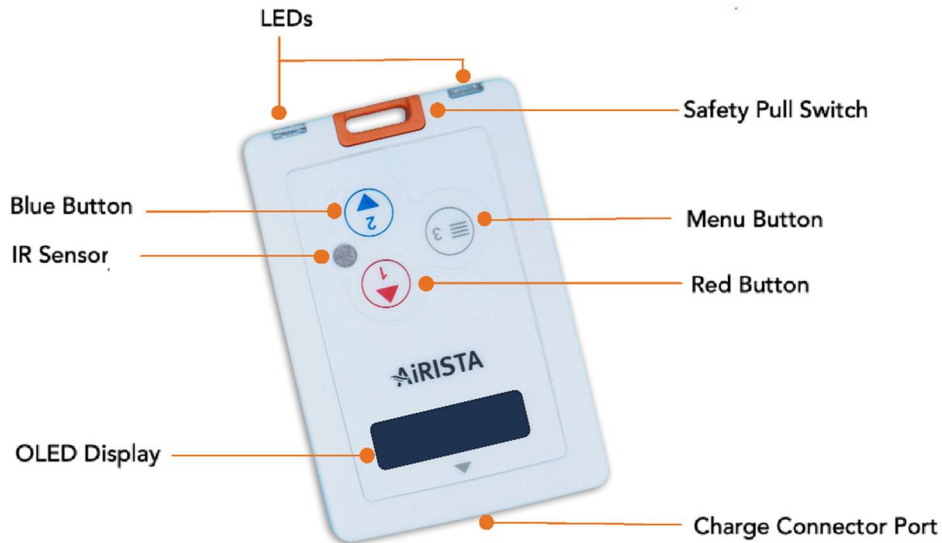
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Introduction

This guide covers the main functions and features of the B4i personnel tag.



The backside has the tag's:

- MAC address
- Buzzer Port

Use Cases

The **B4i** 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 B4i 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-hours charge time via the charging port with a USB B4 charging cable or in a B4 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 B4i Wi-Fi / BLE tag datasheet.

Certification

- FCC: Part 15C (US)
- ISSED: RSS-247 (Canada)
- FCC ID TA7-B4I
- CE Mark (European Union)
- Medical SAR: The SAR MPE limit for 2.4GHz is 1.0mW/cm². SAR levels should be less than 1.2 W/kg. This equipment complies with FCC Radio Frequency Electromagnetic Signal (RF) exposure limits set forth for an uncontrolled environment of portable transmission. This product has been evaluated for RF exposure at a distance of 0.3 inches (9 mm) from device antenna to body. Operation at a separation distance less than 0.3 inches (9 mm) from the radiating element to nearby persons will expose nearby persons to RF levels that exceed the FCC rules for RF exposure.

Activation and Deactivation

B4i Activation

1. Place the tag in the charger or connect it to a USB port (using the B4 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.

B4i Deactivation

1. If the tag is connected to a charge source, disconnect it.
2. Wait 1 or 2 seconds for the charging LED (at the top, right) 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 on the left side (facing the tag) 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 B4i 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 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. The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

ISED Statement

This device contains license-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's license-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.

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

Le présent appareil est conforme aux CNR d'Industrie Canada 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.

L'appareil a été évalué pour répondre aux exigences générales d'exposition aux RF. L'appareil peut être utilisé dans des conditions d'exposition portable sans restriction.

Declaration of Conformity

This product complies with the radio interference requirements of the European community. Hereby, AiRISTA Flow, Inc. declares that the product is in compliance with the essential requirements and other relevant provisions of RE Directive 2014/53/EU. You can find the Declaration of Conformity on <https://www.airistaflow.com>.

RF frequency:

2.4G WIFI: 2400 MHz to 2483.5 MHz

BLE: 2400 MHz to 2483.5 MHz

RF power: 2.4G WIFI: 17.90 dBm

BLE: -2.47 dBm

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Product Name: Personnel Display Tag

Trademark: Airista

Model: B4i

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