

The BT-101 Bluetooth Low Energy (BLE) device is a USB dongle that plugs in to an access point and is designed to be used with Analytics and Location Engine (ALE) and improve location monitoring. The key features are:

- Better proximity performance than WiFi
- Operates as a stand-alone device
- Low power consumption
- Only three channels (37, 38 and 39) for advertisement for sending beacons

Package Contents

- BT-101 BLE device
- Installation Guide (this documented, printed)

BT-101 BLE

The following figure shows the BT-101 BLE:

Figure 1 BT-101 BLE



Product Specifications

RF Performance

- Tx = -23 dBm to 0 dBm (23 dB dynamic range)
- Rx sensitivity = Approximately -94 dBm (1 Mbps)
- Working Frequency range: 2450 ± 50 MHz
- Operation temperature: 0 °C to 50 °C

Safety and Regulatory Compliance

Aruba Networks provides a multi-language document that contains country-specific restrictions and additional safety and regulatory information for all Aruba access points. This document can be viewed or downloaded from the following location: www.arubanetworks.com/safety_addendum

Regulatory Model Names

The regulatory model name applicable to the BT-101 BLE device is ARBT0101.

Aruba Networks, Inc

Model: ARBT0101
FCC ID Q9DBT101 IC: 4675A-BT101



RF Radiation Exposure Statement: This equipment complies with FCC RF radiation exposure limits. This equipment should be installed and operated with a minimum distance of 7.9 inches (20 cm) between the radiator and your body for 2.4 GHz and 5 GHz operations. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. When operated in the 5.15 to 5.25 GHz frequency range, this device is restricted to indoor use to reduce the potential for harmful interference with co-channel Mobile Satellite Systems.



FCC Class B Part 15

This device complies with Part 15 of the Federal Communications Commission (FCC) Rules. Operation is subject to the following two conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undesired operation.

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 manufacturer's instructions, may cause interference harmful to radio communications.

If this equipment does cause interference, 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 to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio or TV technician for help.

Complies with the Class B limits for radio noise emissions as set out in the interference-causing equipment standard entitled "Digital Apparatus," ICES-003 of Industry Canada.

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.



Changes or modifications that are not explicitly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Canada

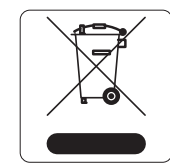
Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- This device may not cause interference
- This device must accept any interference, including interference that may cause undesired operation of the device.

Proper Disposal of Aruba Equipment

Waste of Electrical and Electronic Equipment



Aruba products at end of life are subject to separate collection and treatment in the EU Member States, Norway, and Switzerland and therefore are marked with the symbol shown at the left (crossed-out wheeled bin). The treatment applied at end of life of these products in these countries shall comply with the

applicable national laws of countries implementing Directive 2002/96/EC on Waste of Electrical and Electronic Equipment (WEEE).

EU Regulatory Conformance



This product is CE marked according to the provisions of the R & TTE Directive (1999/5/EC) - CE. Aruba Networks Inc., hereby declares that the ARBT0101 device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC -CE. The Declaration of Conformity made under Directive 1999/5/EC is available for viewing at the following location: <http://support.arubanetworks.com>

Aruba BT-101 Bluetooth Low Energy Device Installation Guide



Contacting Aruba Networks

Web Support	
Main Site	http://www.arubanetworks.com
Support Site	https://support.arubanetworks.com
Airheads Social Forums and Knowledge Base	community.arubanetworks.com
North American Telephone	1-800-943-4526 (Toll Free) 1-408-754-1200
International Telephones	http://www.arubanetworks.com/support-services/supportprogram/contact-support/
Software Licensing Site	https://licensing.arubanetworks.com/
End of Support Information	http://www.arubanetworks.com/support-services/end-of-lifeproducts/end-of-life-policy/
Security Incident Response Team (WSIRT)	http://www.arubanetworks.com/support-services/securitybulletins/
Support Email Addresses	
Americas, EMEA, and APAC	support@arubanetworks.com
Security Incident Response Team (SIRT)	sirt@arubanetworks.com

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Warranty

This hardware product is protected by an Aruba warranty. For details, see Aruba Networks standard warranty terms and conditions.



www.arubanetworks.com
1344 Crossman Avenue
Sunnyvale, California 94089
Phone: 408.227.4500
Fax 408.227.4550

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