

ZONITH™

Bluetooth LE ID Badge



ZONITH Bluetooth LE ID Badge™

Quick User Guide

NB: This guide represents a condensed version of the full User Guide, made available for download at www.zonith.com

Model No.: BT-BLE-ID-Badge
Made in Taiwan
FCC ID: 2AJ8P-BTBLE-IDBDG
IC: 22178-BTBLEIDBDG
CE, RoHS Ready

Version 1.0 January 2018

INTRODUCTION

This document describes the use of ZONITH Bluetooth LE ID Badge™.

The purpose of the ZONITH Bluetooth LE ID Badge™ is to protect the person wearing the ID badge by being able to track its position and also by being able to raise a panic alarm from the button at the back.

The user can insert their own identity card to the ZONITH Bluetooth LE ID Badge™. The ZONITH Bluetooth LE ID Badge™ supports standard identity and access cards with the following dimensions: 85.60 × 53.98 mm.

Please refer to the ZONITH Bluetooth LE ID Badge™ datasheet for technical specifications.

The ZONITH Bluetooth LE ID Badge™ works in conjunction with the ZONITH Bluetooth based indoor positioning system (RTLS) and the alarm handling solution ZONITH Alarm Control System (ACS).

Datasheet and information about RTLS and ACS can be found and downloaded from www.zonith.com

DECLARATION OF CONFORMITY

Model: BT-BLE-ID-Badge
Made in Taiwan

FCC ID: 2AJ8P-BTBLE-IDBDG
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 UNDESIRABLE OPERATION

Notice : The changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT NOTE: To comply with the FCC RF exposure compliance requirements, no change to the antenna or the device is permitted. Any change to the antenna or the device could result in the device exceeding the RF exposure requirements and void user's authority to operate the device.

IC: 22178-BTBLEIDBDG
This device complies with Industry Canada's license-exempt RSSs. 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.

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.

CE and ROHS ready.

SAFETY INFORMATION IN ENGLISH

- Only operate the Bluetooth LE ID Badge™ in accordance with its purpose.
- Do not operate or charge this product near any liquid(s).
- Do not use abrasives, thinners, alcohol, solvents or aerosol cleaners that may cause damage to the Bluetooth LE ID Badge™.
- If the die-cast chassis or other parts are damaged, do not touch the damaged parts.
- This product contains a lithium-polymer rechargeable battery, which is permanently built-in. To dispose of, be sure to comply with the laws and regulations in your country or region.
- Do not charge for longer than the specified time.
- Do not bend or drop the product, or otherwise expose it to strong physical impact.
- Never disassemble or modify the product.
- Do not expose the product to high temperatures, high humidity or direct sunlight.
- If a neck strap is used, take care not to let the strap get caught on nearby machines, doors or other objects.

INFORMATION DE SÉCURITÉ FRANCAIS

- Utilisez uniquement le Bluetooth LE ID Badge™ conformément à son but.
- Ne pas utiliser ou charger ce produit à proximité de liquide (s).
- N'utilisez pas d'abrasifs, de diluants, d'alcool, de solvants ou de produits de nettoyage en aérosol qui pourraient endommager le Bluetooth LE ID Badge™.
- Si le châssis est mouillé ou d'autres pièces sont endommagées, il ne faut pas les toucher et cessez l'utilisation immédiatement.
- Ce produit contient une batterie rechargeable au lithium-polymer, qui est intégrée en permanence. Pour vous en débarrasser, veuillez respecter et appliquer les lois et règlements en vigueur dans votre pays ou dans la région où vous habitez en ce sujet.
- Ne pas charger plus longtemps que recommander.
- Ne pliez pas / ne jetez pas ce produit et il ne le soumet pas à un impact physique important.
- Ne jamais démontez ni modifiez ce produit.
- N'exposez pas ce produit à des températures très élevées, à une humidité élevée et il ne faut pas l'installer directement au soleil.
- Si le bracelet en collier est utilisé, veillez à ce qu'il n'est pas coincé dans les machines/portes ou autres objets se trouvant à votre proximité.

SUPPORT AND WARRANTY

ZONITH warrants this product against defects in materials or workmanship for a period of one year from the date of retail purchase. ZONITH will repair or replace a defective unit, at our discretion, without charge for parts or labor. It does not cover damage or failure caused by attributable to Acts of God, abuse, misuse, improper or abnormal usage, faulty installation, improper maintenance, lightning, incidences of excessive voltage, or any tampering or repairs carried out anywhere other than a ZONITH authorized repair facility. It does not cover replacement of consumable parts, transportation costs, or damage caused during transit.

Repair or replacement under the terms of this warranty does not extend the terms of this warranty. This warranty can only be modified by an officer of ZONITH and then only by writing. Should this product prove defective in workmanship or material, the consumer's sole remedies shall be such repair or replacement as provided by the terms of this warranty. Under no circumstances shall ZONITH be liable for any loss or damage, direct, consequential, or incidental, arising out of the use of or inability to use this product. Some states do not allow limitations on how long an implied warranty lasts or the exclusions or limitations of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. There may also be other warranty rights, which may vary, from country to country.

The wireless communication used by the Bluetooth LE ID Badge is an open standard, unsecured technology. ZONITH is not liable for the Bluetooth technology itself or problems that arise from the use of the Bluetooth technology.

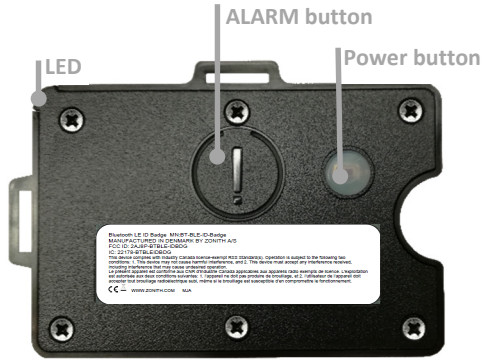
Under no circumstances shall ZONITH be responsible for any loss or damage, including personal injury or death, resulting from anyone's use of the product, incorrect or faulty network infrastructure, incorrect tuning or setup of the Bluetooth network, lack of power, jamming, lack of training or other factors.

For support, warranty or other questions relating to your ZONITH Bluetooth LE ID Badge product, contact us on the web at www.zonith.com.

The Federal Communication Commission Radio Frequency Interference Statement includes the following paragraph: The 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 instruction, may cause harmful interference to radio communication. 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.

OPERATIONAL USE



Back side of the ZONITH Bluetooth LE ID Badge™



Front side of the ZONITH Bluetooth LE ID Badge™

CHARGING AND BATTERY

Charging of the ZONITH Bluetooth LE ID Badge™ is done via the Micro B USB connector. Use a standard USB connection or charger supporting: 5V - 150mA.

During charging, the LED shows a solid Blue color. When the badge is fully charged, the LED either turns off or fall back to normal state.

If during operation the battery level goes low the LED starts flashing RED every 4 seconds to indicate the badge need to be recharged.

With a fully charged battery, the expected operational time is above 3 months.

POWER ON AND OFF

To power ON the ZONITH Bluetooth LE ID Badge™ you have to press and hold the POWER button for 2 seconds. When powered ON the LED will flash blue every 4 seconds (normal operation).

To turn OFF the device you have to press and hold the POWER button for 5 seconds. When powered OFF the LED turns off.

ALARM BUTTON

The ZONITH Bluetooth LE ID Badge™ supports two types of alarms or events from the ALARM button at the back, defined by a double click and a long button press.

Name	
Double click	Two "click and release" of the button in less than 1 second
Long button press	Press and hold the button in at least 2 seconds

The action that is initiated based on the two types of alarms are defined in the ZONITH Alarm Control System (ACS).

The ZONITH Bluetooth LE ID Badge™ stays in any of the alarm states for 2 minutes. If the user performed the double click the LED will flash red every second. If the user performed the long button press the LED will be solid red. The long button press override the LED behavior so that if long button press is performed shortly after double click the LED will be solid RED. When the ZONITH Bluetooth LE ID Badge™ leaves the alarm state the LED will switch back to a flashing blue light every 4 seconds.

If the user wish to leave the alarm state faster than the 2 minutes the ZONITH Bluetooth LE ID Badge™ has to be powered off and powered on again.

The ALARM button is located in the center on the back side of the unit. The alarm button is marked with a 2 mm. circle around it so that the users easily can find it without looking at the badge itself.

LED

The LED is used to indicate the state of the ZONITH Bluetooth LE ID Badge™. The different modes it can display are:

LED	Function
Turned off	The badge is turned off. This is also the situation if the badge is connected to a charger and the charging is complete.
Solid blue	The badge is being charged.
Flashing blue (4 seconds)	The badge is turned on and in normal operation.
Solid red	The badge is in long button alarm state.
Flashing red (1 second)	The badge is in double click alarm state NOTE: If long button press is also active then it will show solid red.
Flashing red (4 seconds)	The badge is low on battery and needs re-charging.

It is possible to turn off the LED manually while the badge continues to operate normally.

To turn off the LED, press and hold the POWER button for 0.5 seconds. To turn the LED on again press and hold the POWER button for 0.5 seconds.

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