

# ZONITH Bluetooth ID Badge User's Guide



**ZONITH**

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## 1. Introduction

This document covers the use ZONITH Bluetooth ID Badge.

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

The intention with the ZONITH Bluetooth ID Badge is that as a user you add your ID card to the ZONITH Bluetooth ID badge. The ZONITH Bluetooth ID Badge supports ID cards with the following dimensions:

85.60 × 53.98 mm

### 1.1. Declaration of Conformity

Model: BT-ID-Badge

FCC ID. : 2AJ8P-BT-ID-BADGE

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATIONS 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 UNDESIRE 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.

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.

## 2. Charging and battery

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

When charging is being done the LED show a Blue color. When charging is done, the LED turns off.

If during operation the battery level goes below 15% then the LED starts flashing RED every 4 seconds.

On a fully charged new battery the expected life time is above 3 days.

The ZONITH Bluetooth ID Badge cannot operate normally while being charged. To use the ZONITH Bluetooth ID Badge it has to be removed from the charger and powered on afterwards.

### 3. Operational Use



Figure 1 The backside of the ZONITH Bluetooth ID Badge

#### 3.1. Power on and off

To power on the ZONITH Bluetooth 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.

#### 3.2. LED

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

Description	
Turned off	The badge is turned off. This is also the situation if the badge is in a charger and the charging is done.
Solid blue	The badge is being charged. NOTE: The badge is not operational in this mode!
Flashing blue (4 seconds)	The badge is turned on and in normal operation
Solid red	The badge is in alarm situation
Flashing red (4 seconds)	The badge is low on battery and needs 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.

### 3.3. Alarm handling

The ZONITH Bluetooth ID Badge supports two types of alarms from the ALARM button at the back. There is a short and long button press:

Name	Press and hold time
Short button press	2 seconds
Long button press	4 seconds

The action that is being done based on the two types of alarms are defined in the ZONITH Bluetooth Panic Listener.

When entering the alarm the LED will change to red constant color.

If the user holding the ZONITH Bluetooth ID Badge does not do anything, then the unit stays in that alarm situation in 5 minutes. It is possible to leave the alarm state earlier by pressing and holding the ALARM button for 2 seconds. When the ZONITH Bluetooth ID Badge leaves the alarm situation the LED will switch back to flashing blue every 4 seconds.

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