

## SafeX Plus

### User manual

#### Introduction

BlueUp SafeX Plus, henceforth identified with the terms “product”, “device” or “beacon”, is a Bluetooth Low Energy (BLE) tag for identification, proximity and location applications.

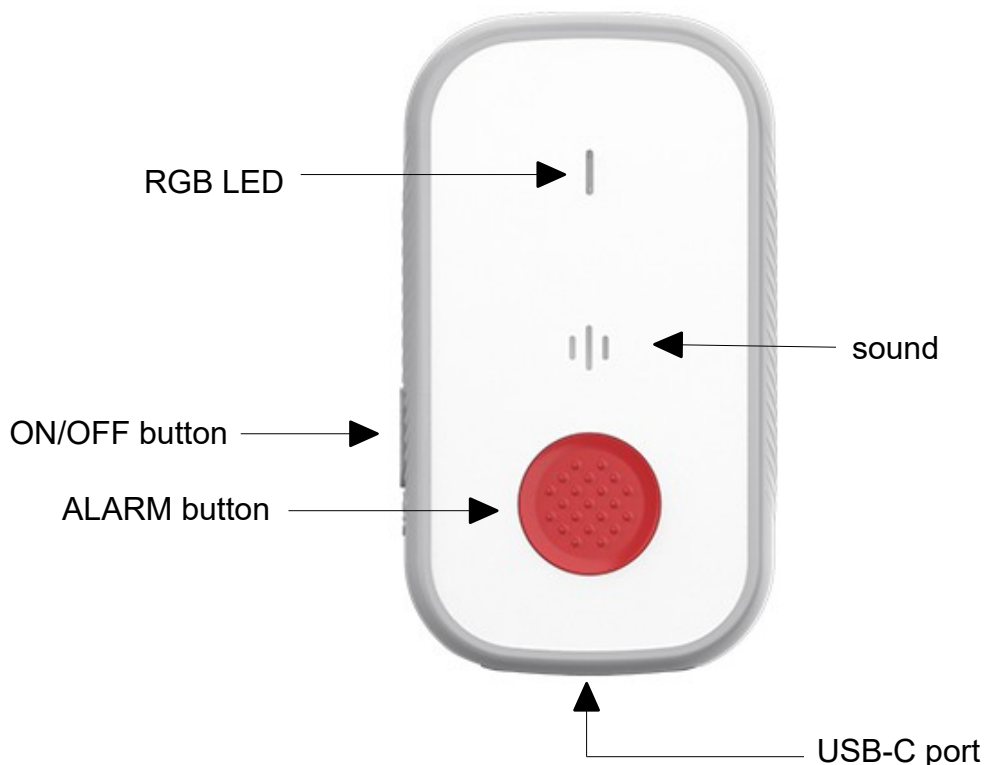
SafeX Plus can be provided in one of the following technologies:

- **BLE**: support of main BLE technologies for proximity beacons (iBeacon, Eddystone) and of custom BLE advertising packets;
- **Quuppa**: support of Quuppa Intelligent Locating System for submeter-accuracy RTLS;
- **Wirepas**: support of mesh 2.4GHz for ultra-low-power wireless mesh location and tracking;
- **Tracer**: support of social-distancing and contact tracing.

SafeX Plus is provided in an IP65/NEMA4 plastic enclosure, and has:

- ON/OFF button (lateral) and ALARM button (front, red color);
- RGB LED;
- vibration, sound.

It is powered by lithium rechargeable battery (with capacity 500mAh), with USB-C port for recharge (use USB power supply unit with 5V and 1A).



Before you start using a BlueUp device, verify that it is undamaged and carefully read the instructions in this user manual, particularly the indications in the "Safety" section.

BlueUp S.r.l. disclaims any and all liability if the devices are used in modes and environments incompatible for keeping the product intact, safe and in operation.

## Procedures

The device is shipped OFF.

To switch ON the device keep pressed the ON/OFF button until the blue LED starts blinking.

When the device is active, the blue LED blinks periodically.

Configuration and activation depends on preloaded firmware:

### BLE

To modify beacon configurations, you can use free configuration app BlueBeacon Manager provided by BlueUp available for iPhone / iPad (Apple Store) and Android (Google Play).

For information on configuration, on services and characteristics, and on all use aspects, please refer to the technical information in the support pages of the website [www.blueupbeacons.com](http://www.blueupbeacons.com) or contact technical assistance at [support@blueupbeacons.com](mailto:support@blueupbeacons.com).

### Quuppa

Tag settings can be updated using Quuppa Site Planner.

Custom APIs are available to command the tag and trigger LED, vibration, buzzer.

### Wirepas

Beacon can operate as a mobile tag, with configuration set in production.

Settings can be updated sending an AppConfig (using Wirepas Network Tool or other Wirepas backend).

### Tracer

SafeX Tracer starts in Configuration mode. To initialize the device download SafeX Tracer Manager App from Tracer portal ([tracer.blueupbeacons.com](http://tracer.blueupbeacons.com)).

Once initialized the device starts working as configured, for contact-tracing and distance warning functionalities. Contact events data can be downloaded with Manager app, Kiosk app or dedicated gateway.

## Safety

These information are an integral and essential part of the product and must be delivered to the user. Read them carefully as they contain important information regarding the installation, use and maintenance.

### Warnings

The device is a professional device whose intended use is aimed at professions or industries and which is not intended for sale to the general public.

The product is a wireless device.

The product must be intended for use for which it was designed. Any other use is considered improper and therefore dangerous.

Maximum ambient temperature: +40°C

Maximum altitude: 2000 mt



**DO NOT use the beacon in potentially explosive atmospheres. The presence of flammable gas or fumes is a serious safety hazard.**

The product is a wireless device. Please be attentive in its use, in the case of use near (less than 5 cm) a pacemaker or other electronic medical life-saving devices as it transmits radio waves that can interfere with the proper functioning of these devices. Contact medical device manufacturer for more information.

The company BlueUp S.r.l. disclaims any liability for damages caused by an inadequate use of the device and the failure to observe the information provided herein.

## Battery

SafeX Plus is powered by one not-replaceable rechargeable Li-Ion battery (540mAh capacity).

To charge the battery, use only genuine USB chargers with CE marking, with output DC voltage 5V and maximum charging DC current 1A.

### CAUTION



**DO NOT charge the device with chargers with an output voltage different from the nominal voltage required to charge the device (5V).**



**DO NOT charge the device in case it is damaged.**



**DO NOT overcharge the device. Only charge it for as long as required, until it reaches 100%.**



**DO NOT disassemble, puncture or damage the device.**



**DO NOT charge your device when it is not supervised or monitored.**



**Leave your device to charge on a flat, hard, non-flammable surface, with sufficient ventilation.**



**DO NOT throw the device in fire.**



**Unplug the charger from the wall socket when it's not in use.**



**Look out for any sign that device battery is damaged or failing. Signs include: discoloration, burning smells or signs of melting on the device; swelling of the battery or the housing around the battery; a leak from the battery; erratic behaviour; if the device is charging too quickly or discharging quicker than normal, this could indicate that the battery is failing.**

**If any of these things occur, you should stop using the device immediately.**

## Waste disposal



***In implementing the Directives 2011/65/EU and 2012/19/EC on the restriction of the use of hazardous substances in electrical and electronic equipment and the disposal of waste.***

The crossed bin symbol on the appliance or on its packaging indicates that at the end of the product's life, it must be collected separately from other waste. The user must, therefore, take the remote control to an authorized disposal center for collection of electronic and electrical waste, or return it to the dealer when purchasing a new similar appliance, on a one to one basis. Appropriate separate collection for the subsequent forwarding of the product sent for recycling, treatment and environmentally compatible disposal helps to prevent negative environmental and health effects and promotes the reuse and/or recycling of materials making up the equipment. Illegal dumping of the product by the user entails the application of administrative sanctions in the current provisions of law.

For more information about the collection systems, contact your local authorities.

***In implementing Directive 2006/66/EC on the reduced use of hazardous substances in batteries and the disposal of the same.***

The crossed bin symbol on the appliance or its packaging indicates that the batteries must not be disposed of with the rest of the household waste, as they may contain substances that are potentially harmful to the environment and health. Remove the old battery from the device and turn it in at the appropriate collection points.

### **Disclaimer**

This manual is intended to provide a brief summary of our knowledge and some guidance regarding the use of the beacon and its parts, including the battery. The information contained herein has been provided by sources that BlueUp S.r.l. considers to be dependable and is accurate to the best knowledge of the company. This sheet is not intended to be an inclusive document on worldwide hazard communication regulations. The information is provided in good faith. Each user of this material needs to evaluate the conditions of use and define the appropriate protective mechanisms to prevent the exposure of persons, property damage or release to the environment.

BlueUp S.r.l. assumes no responsibility for injury to the recipient or third persons, or for any damages resulting from misuse of the device and its parts.

### **Warranty**

Refer to BlueUp General Terms and Conditions of Sale available at [www.blueupbeacons.com](http://www.blueupbeacons.com)

### **Conformity**

#### **EU (ETSI) / UK (UKCA)**

Hereby, BlueUp Srl declares that BlueUp SafeX Plus is in compliance with Directives 2014/53/UE (RED) and 2011/65/UE (RoHS 2) with 2015/863/UE (RoHS 3).



The full text of the EU declarations of conformity is available at the following internet address:  
[www.blueupbeacons.com](http://www.blueupbeacons.com)

Frequency band: 2400 – 2482 MHz

Maximum radiated power: 2.5mW

### **Contacts**

BlueUp S.r.l.

Loc. Belvedere, Ingresso 2

IT-53034 Colle di Val d'Elsa (SI) - ITALY

E-mail: [info@blueupbeacons.com](mailto:info@blueupbeacons.com)

Web: [www.blueupbeacons.com](http://www.blueupbeacons.com)