# Confidex Beacon Field Configure app v1.3
# Quick Start Guide

# Getting started

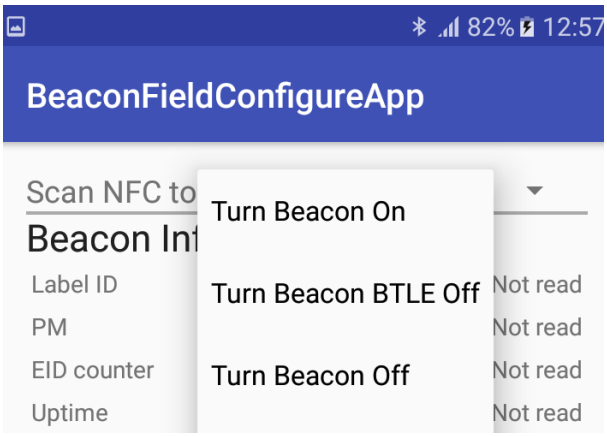
## 1. Introduction

CFXBLE-1 is Bluetooth ® 4.2 low energy beacon with versatile installation alternatives including screws, straps and different types of adhesive attachment options.

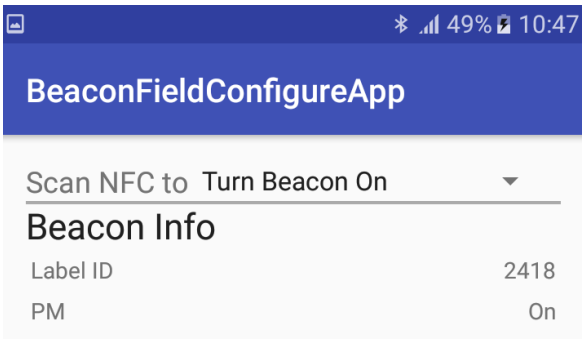
The device includes NFC interface for power and configuration control. Android™ v6 or v7 device is required to run the application. Please contact Confidex Ltd for device recommendations and latest application version.

## 2. Powering the device

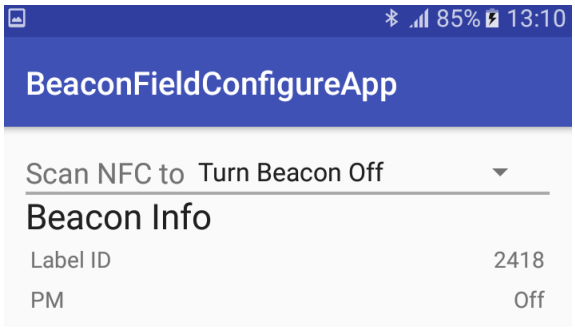
Beacon field configure application start screen includes a pulldown menu for supported functionalities. Beacon can be powered by chosing from the menu 'Turn Beacon On' and scanning the device with NFC .



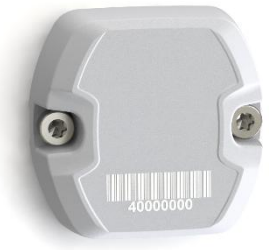

Successful activation will be verified on the screen with beacon Label ID and PM (=power mode) fields being populated. After successful activation the device will enter into preconfigured operational mode.



In similar manner, the device can be powered off by choosing from pulldown menu ‘Turn Beacon Off’ and re-scanning the device with NFC. Power mode change will be updated on the respective field.



# Technical Specification




| Category | Specification |
|---|---|
| **Electrical specification** | |
| Device type | Bluetooth Smart Tag<br>Support for NFC Type 2 |
| Air interface protocol | Bluetooth LE 4.2 (upgradable to Bluetooth 5)<br>NFC: ISO/IEC 14443A |
| Operational frequency | ISM: 2,4 GHz,<br>NFC: 13,56 MHz |
| **Mechanical specification** | |
| Power supply | 2x coin cell battery |
| Materials | Synthetic material |
| Physical dimensions and weight | 54 x 56 x 19 mm / 2.13 x 2.20 x 0.75 in<br>45 grams / 1.6oz |
| **Environmental specification** | |
| Operating temperature | -20°C to +60°C / -4°F to +140°F |
| Ingress Protection * | IP68 |
| **Operational specification** | |
| Read range** | Up to 300m / 330yd line of sight range |
| Beacon lifetime *** | Up to 72 months |

** Values in the table are the best recommendations; resistance against environmental conditions depends on the combination of all influencing factors, exposure duration and chemical concentrations. Thus, product's final suitability for certain environmental conditions is recommended to be tested. Contact Confidex for more specific information.*

** Read ranges are measured in laboratory environment and there can be some variation in real life application.

*** Beacon lifetime in nominal mode is optimized for long term use, and is affected by operating mode parameters.

# Safety Guidelines

- The device does not contain any serviceable components, do not disassemble the device
- Substances contained in the product and/or the battery may be harmful if handled or disposed improperly
- The product does not contain any comestible substances nor substances of nutritional value. Do not eat the product.

# EU Declaration of Conformity

1. **Product model:** CFXBLE-1

2. **Name and address of the manufacturer or his authorised representative:**

Confidex Ltd.
Lumpeenkatu 6
33900 Tampere, Finland
+358 (0)104 244100
info@confidex.fi

3. **This declaration of conformity is issued under the sole responsibility of the manufacturer.**

4. **Object of the declaration:**

Equipment: 2.4 GHz ISM Band Transceiver Tag
Brand name: Confidex Links
Model/type: CFXBLE-1

5. **The object of the declaration described above is in conformity with the relevant Union harmonization legislation:**

Low Voltage Directive (LVD) 2014/35/EU,
Electromagnetic Compatibility Directive (EMC) 2014/30/EU,
Restriction of Hazardous Substances (RoHS) Directive 2011/65/EU,

6. **References to the relevant harmonised standards used or references to the other technical specifications in relation to which conformity is declared:**

LVD:
- IEC 60950-1:2005 + A1:2009 + A2:2013

EMC:
- prEN 301 489-1 (2.2.1), prEN 301 489-3 (2.1.1) & prEN 301 489-17 (3.2.1)
- EN 300 328 (2.1.1)
- EN 300 330 (2.1.1)

RoHS:
- EN 50581:2012

7. **Signed for and on behalf of:**

Tampere 3.7.2017

Manufacturer
Confidex Ltd.

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Juha Virtanen, Hardware Development Manager

# Federal Communications Commission (FCC)

## Statement (USA)

FCC PART 15 STATEMENTS FOR USER'S MANUAL

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 UNDESIRED OPERATION.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this 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 o 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.

This device meets the FCC and IC requirements for RF exposure in public or uncontrolled environments.

## Canada: Industry Canada (IC) Statement

IC Notice to Users English/French in accordance with RSS GEN Issue 3:

This device complies with Industry Canada license exempt RSS standard(s). 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 unde

sired operation of the device.

Cet appareil est conforme avec Industrie Canada RSS standard exempts de licence (s). Son utilisation est soumise à Les deux conditions suivantes:

1. cet appareil ne peut pas provoquer d'interférences et
2. cet appareil doit accepter Toute interférence, y compris les interférences qui peuvent

causer un mauvais fonctionnement du dispositive

This Class B digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.