

# CoreBlu M1

## Preliminary Specifications



The CoreBlu line consists of advanced Bluetooth Low Energy 5.x beacon devices using multi standard beacon technology.

The CoreBlu-M1 is a low profile Tag that makes it ideal for all types of Asset Tracking Applications. It features an ultra-low power consumption, long battery life. The CoreBlu-M1 can be easily mounted on various surfaces and uses commercially available replaceable battery.

The CoreBlu-M1 comes with a downloadable SDK with an extensive library for easy integration into a wide range of location based and indoor navigation based applications. It also includes a wide range tools facilitating optimal setup, installation and health-checks.



### Bluetooth Radio

**Type:**

Bluetooth Low energy 5.0 (5.1 Compatible)

**Advertisement:**

iBeacon, cBeacon (Averos Health Packet)

**Advertisement Interval:**

100ms to 10.2seconds

**Frequency:**

2.4GHz

**Transmit Power:**

+4dBm to -40dBm

**Antenna Type:**

PCB antenna, Omni Directional

### Battery

**Battery type:**

CR2032, 225mAh, Replaceable

**Battery Life:**

(Transmission Rate)	(Battery Life <sup>1</sup> )
High (3Hz)	6 months
Medium (1Hz)	1 years 2 months
Low (0.2Hz)	2 years 9 months
Adaptive <sup>2</sup> (3 - 0.2Hz)	2 years <sup>3</sup>

1. Battery Life is calculated at 25 degree Centigrade. At higher temperatures it will be lower.

2. Tag will transmit at 3Hz when moving and at 0.2Hz when static for best tradeoff of life and latency.

3. Calculation assumes tag is in movement ~10% of the time.

### Enclosure

**Material:**

ABS

**Dimensions:**

36mm (L) x 24mm (W) x 3.4mm (H)

**Weight:**

6.2g

**Colour:**

White

**Accessories:**

Double sided tape

**Protection Class:**

IP54

### Operating Environment

Operating Temperature	0°C to 60°C
Operating Humidity	90%

### Certifications

FCC, CE, RoHS



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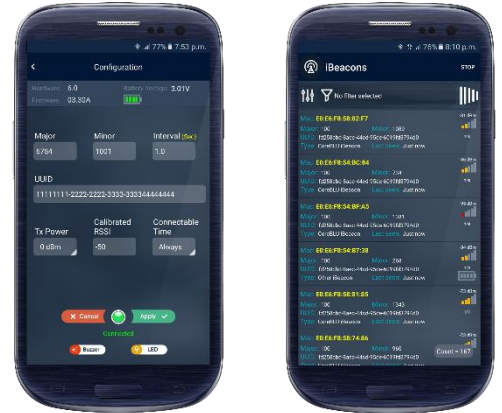
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### CoreBlu Configuration App

With the CoreBlu Beacon Manager App you can scan for nearby configurable CoreBlu beacons, display their battery status, view their settings and make modifications to those settings. Configuration of beacons can also be password protected with a six (6) digit PIN.

As an added safety feature, the beacons can only be configured within a period of 2 minutes after installing the batteries or can be manually triggered into configuration mode by pressing the reset button on the Tag. However, this time duration can be increased through the settings to up to 3 weeks or forever



### Application Areas

- Indoor localization
- Track & find
- Virtual leash
- Asset & logistics tracking

### Caution

- Risk of Fire or Explosion if battery is replaced by an incorrect type.
- Dispose of used batteries according to the instructions

### Recycling

This product bears the selective sorting symbol for Waste electrical and electronic equipment (WEEE). This means that this product must be handled pursuant to European directive 2012/19/EU in order to be recycled or dismantled to minimize its impact on the environment

### Contact us

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