



# RadBeacon X4

by Radius Networks



## Ruggedized, Weatherproof Beacon Technology

The RadBeacon X4 is a fully stand-alone Bluetooth Smart™ proximity beacon that supports iBeacon™, AltBeacon™, and Eddystone™ technology.

The RadBeacon X4 is a rugged, weatherproof, and temperature-resistant proximity beacon powered by four AA batteries. It can be installed in any location, regardless of available power and provides proximity advertisements for mobile applications that are compatible with iBeacon, AltBeacon, and Eddystone standards, including the Physical Web™.



## Settings

### Configurable Advertisements:

iBeacon

AltBeacon (Beacon ID | Reference RSSI)

Eddystone-UID

Eddystone-URL (Physical Web)

### Advertisement Rate:

1Hz - 10Hz

### Transmit Power:

+4dBm to -20dBm

## Hardware

### Form Factor:

Polycarbonate NEMA 4x waterproof enclosure

### Electrical Interface:

PCB mounted quad AA-battery clips

### Operating Temperature

-40°C to 60°C (-40°F to 140°F)

## Battery Life

### Advertising Rate

High - 100ms

Medium - 200ms

Low - 1000ms

### Battery Life

18 Months

36 Months

184 Months

## Certifications

### Apple iBeacon™

iBeacon Licensed Product

### Eddystone™

Eddystone Licensed Product

### Bluetooth

Bluetooth controller subsystem

### FCC

FCC part 15 modular qualification

### CE

EN300328, EN301489

### IC

Industry Canada Modular Qualification

## Bluetooth Radios

### Version:

4.0 (Bluetooth Smart)

### Frequency:

2.402GHz to 2480GHz

### Transmit Power:

+4dBm to -20dBm

### Typical Line-of-Sight Range:

5m to 50m

### Antenna:

Ceramic chip monopole antenna



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## RadBeacon Configuration App

With the RadBeacon app you can scan for nearby configurable RadBeacon proximity beacons, display their operating settings and make modifications to those settings. Configuration of beacons requires an eight (8) digit PIN. The factory default PIN is '00000000.' It is highly recommended that you make a priority to change the PIN for your RadBeacon device.

Beacons are only configurable for a period of 30 minutes after they are initially powered. After this 30 minutes period elapses, the beacon will no longer be connectable from other Bluetooth 4.0 devices. This feature is a security precaution to limit the possibility of third party manipulation of your beacons once they have been installed and configured.



## RadBeacon Configuration Window

If you are unable to discover your RadBeacon X4 using the RadBeacon Configuration App, configurable mode can be re-initiated for RadBeacon X4 beacons by opening the X4 case, and power-cycling the beacon by turning the switch on the main board from "on" to "off" and back on again. This will restart the configuration window and your beacon should show up in subsequent scans.

### Questions?

Visit [support.radiusnetworks.com](http://support.radiusnetworks.com) for more information on RadBeacon and other Radius Products.