



ECOFIT Button Datasheet

BTN100

DESCRIPTION

The ECOFIT Networks Inc. Button is a low power long-range radio module targeted to the stationary fitness equipment market. The Button has been designed from the ground up to allow easy, low investment and low risk networking of fitness equipment for the purpose of tracking utilization.

The proprietary ECOFIT Wireless Protocol (EWP) is custom designed to maximize data delivery, range, noise immunity and network density. This targeted customization is made possible by direct hardware layer access to radio functionality.

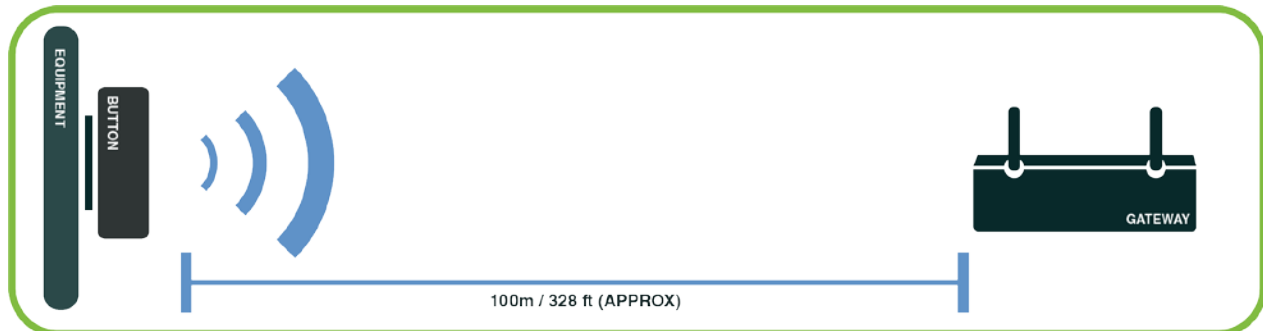
The ECOFIT Button employs the use of an accelerometer to efficiently track the utilization of stationary fitness equipment.

KEY FEATURES

- **2.4GHz ISM band operation**
Proprietary protocol designed for high density networks.
Will not affect club WIFI.
- **Excellent RF performance**
-90dBm Receiver sensitivity (BER 0.1%).
+19dBm Output power.
Up to 100 meter range.
- **Long battery life**
3-5 Year battery life.
- **Dimensions: 1.88in x 1.88in x .69in**
- **Easy mechanical integration**
Low profile.
Various mounting options available.

EQUIPMENT MOUNTING CHECKLIST

- Button and Gateway mounting distance should not exceed approximately 100m / 328ft.
- Take care to avoid large metal bodies or other ground planes (such as metal console neck tubes) in close proximity when mounting the Button
- Ensure that the Button is securely mounted on a surface that experiences maximum movement to maximize accuracy.



CHANGE LOG

Date	Version	Details
2017-11-01	V1.0	Initial Draft created by Will Rankine