

# Operational Description

Gear 1 is a versatile and portable smart fitness system powered by 3.7V lithium battery and supports Bluetooth Low Energy function. When the user is exercising, the gravity sensor senses the change of force and transmits the data to the NRF52832 through processing. The NRF52832 connects to the mobile phone through Bluetooth, displays the data in the mobile app, and guides the user to exercise.

For more detail user information pls. refer to the user manual.

## Specification

GFSK modulation

## Channel List

2402-2480MHz with 2MHz channel spacing for Data rate 1Mbps, 2Mbps

Max. Antenna Gain: 2dBi

Max. RF conducted output power: -3.3dBm

The RF chipset is Nordic NRF52832 with crystal X1 32MHz.

Refer to block diagram for more detail function of other chipset.