

## Operation Description

Frequency: 315 MHz

Modulation: ASK

In the dartboard, each of the eighty-two scoring segments has a coiled wire in it. Darts to be used with these dartboards are our patented magnetic darts. At the instant when the dart hit the dartboard, the current is produced from the dart magnet flowing through the coiled wire. The scorer receives the signal from the current and records the score. Then IC will amplify and sampling the score to MCU. After process, MCU calculates out the position of the dart and transmits this info to receiver with antenna at 315MHz.

The dartboard is powered by 4 AA size batteries and can be normal operated at 3.5V – 6.5V.