

Transmitter Operational Description

The transmitter device is used 1.5v *6 'AAA' batteries, it is designed to operate a single fixed frequency in the 49.860MHz. Please see the attached block diagram and schematic.

Transmitter is using a five-function Remote Control Encoder-SPRC205A integrated circuit, the SPRC205A is able to encode five sequences of binary information into a serial bit-stream data. When push any one of the button keys, it will have information activated, via built-in crystal oscillator and power amplifier, the controlling signal will be encoder into a bit-stream data. the red LED D2 is Power-ON indicated. When power-switching put ON position , D2 is lighting . After five information sequences are becomes inactive, the SPRC205A will transmitter addition fifteen data frames to increase transmission reliability.

Furthermore, capacitors C1, C2, L1, L2 form a high frequency attenuator, it using to match antenna and reduce harmonic emission of carrier wave signal.

The five button is left/right(direction) and low/mid/high(rating).