

## **Transmitter Operational Description**

Remote controller used 1.5V \*6 ‘AA’ batteries, it is designed to operate a single fixed frequency in the 27.145MHz band, Please see attached block diagram and schematic.

Device has two joysticks. One controls receiver forward and the other one control receiver turns left and right. One Encoder MCU is used on transmitter. The MCN receives controlling signal, a encode serial bit-stream is sent out via RF Modulator, RF amplifier and antenna.

## **Receiver Operational Description**

Receiver is used 3.7V LiPolymer battery to supply power, Antenna receive the modulated signal, the signal is demodulated through Super Rege Motor Demodulator, the demodulating signal is amplified and decoded byMCU, MCU send out driving signal to drive the Motor.