

## **Operation Description of transmitter for RC Mini Car**

The transmitter for remote control toy car operates at 49.860 MHz which is controlled by a crystal. It is powered two 1.5 V AA size batteries. It has an ON/OFF switch, and there are four main buttons to control forward, backward, left and right movement. It also has a charging terminal on the transmitter for charging the toy car.

Refer to the circuit design, the circuit description is listed as follows :

- IC1 and associated circuit act as encoding
- Q5, Q6 and associated circuit act as modulation
- X1, Q6 and associated circuit act as oscillation and amplification