

## **Operation Description of the My First RC –Airplane 49MHZ / Racing Car 49MHZ / Dump Truck 49MHZ**

The transmitter for My First RC –Airplane 49MHZ / Racing Car 49MHZ / Dump Truck 49MHZ operating at 49.860 MHz which is controlled by a crystal. It is powered a 9 V battery. There are two buttons in the center of the EUT. When the Forward button is pressed once, it transmits a radio frequency for receiver going forward. When the Spin button is pressed, it transmits a radio frequency for receiver spin.

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

- Q1, Q2 and associated circuit act as encoder
- X1, Q4 and associated circuit act as oscillator
- Q3 and associated circuit act as amplifier