

## **Operation Description**

### **1/64 R/C Car 49MHz Rx**

The 1/64 R/C Car 49MHz Rx is a super regenerative receiver operating at 49.860 MHz which is controlled by a LRC circuit. It is powered by 2.4 V recharge battery, and it has an external antenna in the back of the receiver. When received forward or backward signal, it will go forward or backward. When received left or right signal, it will turn left or right.

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

- Q3~Q6 and associated circuit act as Motor control
- Q1~Q2 and associated circuit act as L/R control
- RX2 and associated circuit act as Decode
- Q7 and associated circuit act as Super regenerative
- R3 and associated circuit act as Oscillator for RX2
- U2 and associated circuit act as Power supply