

## Operation Description for RC PENGUIN

### Tx (27MHz)

The transmitter is powered by 2x1.5V AAA size batteries. The PT8A977BW IC is an encoder to generate different codes for receiver. The crystal X1 is an oscillator circuit for generating the 27.145MHz radio frequency channel.

### Rx (27MHz)

The receiver is powered by 3x1.5V AAA size batteries. A zener diode ZD1 is a voltage regulator for decoder IC PT8A978BW. When a super regenerator received a radio control signal, it will control the car running to Forward and Rotate through an amplifier and decoder IC PT8A978BW.