

Operation Description of transmitter for Radio Control Car Toys

The Radio Control Car Toys is a transmitter operating at 27.145 MHz which is controlled by a crystal. It is powered by 9V battery. There are two control sticks in the front of the transmitter. When the forward or backward control stick pressed once, it will transmit a radio frequency for receiver going forward or backward. When the left or right control stick pressed once, it will transmit a radio frequency for receiver turn left or right.

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

- JT, Q1 and associated circuit act as oscillator
- Q2 and associated circuit act as amplifier
- IC1 and associated circuit act as encoder
- R8 and associated circuit act as oscillator for IC1
- DZ and associated circuit act as voltage regulator