

The operating principle of RC Car's circuit

1. The operating principle of Remote Controller

Simply press one of the control key (S1, S2, S3, S4, S5) and the correspondent function to be execute, the latch circuit to be locked, the latch signal to be controlled code circuit for coding. And that production opposite control function of the code signal. Produced by Q2 and Y produce carrier signal, after the deferent code signal from ⑧ come in for modulate and through Q, extended launch. The ⑦ is the fan-out of carrier wave's code signal. The ⑧ is the fan-out of non-carrier wave's code signal. The R4 in the TX-2 is the oscillation resistance. LED is the power and have both the transmit's indicator light.

2. The operating principle of Receiver

When the transmitting terminal emergent high-frequency signal, Q1, C3, C2, L1 make up of theregenerative reception resistance; L1, C2 are the resonance loop, and can use it to frequency selection. C3 is the regenerative positive feedback capacitance , You can select frequency by modulate L1. R3, R4, L11 are decide the regenerative extinction voltage, receiving signal through R5, C8 enter the decoding circuit RX-2 (14) to extend. And the signal output from ① and throuth R9 to coding. R10 is the oscillation resistance, RX-2 ⑥, ⑦, ⑨, ⑩, (11), (12) separately is the fan-out of turn right, turn left, back-up, forward, speed up.