

R/C CAR

Model No.: 007, 008

Operation Description of electronic circuitry

Transmitter

1. Signal circuit:

- ♦ Function keys like “Program-Compiling Key” and “Control Lever” send a signal (voltage level 0) to “Program-Compiling Control Circuit” IC4 CPU-QL001, then IC4 send a signal (voltage level 0) to “Encoder” IC TX-2 and also to “LCD Display Control Circuit” IC3 RS2126.
- ♦ “Encoder” IC TX-2 sends code to “RF Oscillator” circuit, the circuit then sends a 49.86MHz RF signal to “RF AMP Modulator” circuit which will amplify the RF signal. The amplified RF signal will be transmitted by ANT. The output of Q4 has a matching network consisting of L3, L4 and C8 that limits the harmonic content and provides the proper coupling of the antenna to the output stage.
- ♦ At the same time, LCD will display the working status.

2. Power supply circuit

- ♦ Power by 3 x AAA size batteries.
- ♦ Charging circuit (IC1 LM393N) for charging car.