

**R/C transmitter:**

Operation: 9V battery

Drawing Ref.: Radio Control Vehicle (49.860MHz Transmitter)

U1 (TX2) is a 5 functional remote encoder IC, it's work with transistor Q1, Q2 and other components combined as RF transmitter circuit. The IC Pin 14, 1, 4 and 5 control left, right, backward, forward and encoding signal output respectively. Data output from Pin 8 and modulate with crystal oscillator that achieved by Q1, Y1, R3, R6, and L1.

RF power amplifier Q2, L2, C7, C6, R4 is use to enlarge the transmission range, the output frequency through LC filter C3, C4 and L3, to eliminate the harmonic frequency then transmitted signal by aerial E1.