

CIRCUIT DESCRIPTION

TRANSMIT Part:

TX-2: IC1 is a 4 functional remote encoder IC. it's work with transistor Q1, Q2 and other components combined as RF transmitter circuit. The IC Pin 1, 14, 4 and 6 control left, right, backward, forward and encoding signal output respectively. Data output from Pin 8 and modulate with 49MHz oscillator that achieved by Q2, Y1, R2, R3, L3and C3. RF power amplifier Q1, L1,L2, C1, C2 are used to enlarge the transmission range.

ANTENNA GROUND CIRCUITRY

This unit makes use of an external 20-inch rod antenna, the antenna is inductively coupled, the unit relies on the Ground trace of the circuit board.

A 9V alkaline battery supplies energy.