

Model: **DX2013F** (Transmitter portion)
Technical Description of Transmitter

The transmitter operates at 49.860 MHz, and controls a receiver to move left, right, forward and backward.

The circuit of the transmitter comprises of,

1. An Encoding keys
consisting: LEFT, RIGHT, FORWARD, BACKWARD
2. An RF Oscillator
consisting: Q2, X1 (49.860MHz crystal)
3. Filter
consisting: C1, L1
4. An Encoder, Mixer and Amplifier
consisting: U1 (TX-2), Q1
5. A Power Supply
consisting: One 9V battery

The transmitter uses an external, dedicated antenna.

The nominal rated field strength is 79.6dBuV/m @ 3m
Production tolerance of field strength is +/- 3dB
Antenna gain is 0dBi