

# Design Polygon Co. Ltd.

perating Model No: BUG-RC-001

## Transmitter and receiver Circuitry Operating Description:

### Transmitter Unit:

When it reaches the power , press one of the keys S1 (Forward ) or S2(Backward), Q1 and the crystal produce a carrier frequency ,The Encode IC TX-2 give the signal out and Q2 to modulation after amplifier the signal and transmit from antenna.

### Receiver Unit:

The modulation signal receive from the antenna and pass to local oscillation and demodulation from Q1, the encoding signal transfer to Decode IC RX-2 after decoding the direct control signal go to the motor driver unit,the Q3&Q5 control Forward , the Q4&Q6 control Backward .