Circuit Description

Transmitter

1.Oscillator & Mixer (Q1): A kind of radio frequency controlled Oscillator circuit via transmitting antenna is made of X-TAL, transistor (Q1, Q2, Q3, Q4), resistor, capacitor, coil (T1, T2).

2.Modulator (Q7, Q8): A circuit to shift pulse position to MIX occurred by IC1 and Q5, Q6

3.Pulse train encoder & switch (IC1, Q5, 6, 7, 8): A circuit to generate designated pulse to operate servosystem inside the moving vehicle. it is consists of IC (IC1), resistor, capacitor, transistor (Q5, 6, 7, 8), switch and volume.

4.Reverse switch (s2, 3, 4): A switch which can change moving vehicle's direction by servo's movement.

5. Volume(VR1,2): A circuit which can change the wide of pulse train. this is installed into transmitter's stick assembly and adjust moving direction of pulse to control servo's rotation direction or angles.

6.RF Driver Amp.(Q3): A circuit to amplify the mear frequency power mixed with pulse from generator to meet needed amplifying power increase.

7.RF Out(Q4): A circuit to amplify the radio frequency generated from RF Driver Amp.

8. Filter(T1,T2,L3,L4): A circuit to filtering unnecessary spurious frequency which is mixed with needed frequency from RF power amplifier.