

# CIRCUIT DESCRIPTION

## MODEL:

### 1. Receiver Section

Radio Signal received by the Antenna, passing through the band pass filter T5, T3 and T8. The RF amplified by Q1 and T6 via 3361CP with XTAL1 three times Self-oscillator signal formed interval frequency, to get intermediate-frequency signals 455Hz. The signal is amplified restrictedly and demodulated by volume control and audio amplifiers Q8, Q7. the sound is then produced by speaker.

### 2. Transmitter Section

In the transmitter section, audio signal amplified by Mic Q2 and Q3, and then demodulated with circuit of crystal that formed by Q4 and D2, The signal amplified threefold by Q5. That via low pass filter and is connected the antenna output.

### 4. POWER SUPPLY

Supply voltage of 9v dc is needed to power “on” whole circuitry by a 9v battery.