

# LOYAL TECHNOLOGY CO.LTD

Model No. 700138

## CIRCUIT DESCRIPTION

### Receiver Circuit

The built in antenna inductively coupled to mixer and detector transistor Q2. The detector audio is then routed to audio amplifier Q4, Q5 and Q6. The output of the audio amplifier coupled to speaker, and coupled to Q4 for control receiver led.

### Transmitter Circuit

Q1 is the crystal oscillator which is modulated by the output of the audio amplifier Q5 and Q6. The audio input is now from mic.

### Power and Ground

Energy is supplied by one 9V 6F22 battery. No external ground connection is provided and what ground that's available is from the printed circuit board.