

# LOYAL TECHNOLOGY CO,LTD.

Model No: 70201

## CIRCUIT DESCRIPTION

### Receiver Circuit

The built in wire antenna inductively coupled to Q1 RF amplifier, The output of the RF amplifier coupled to mixer and detector transistor Q2. The detector audio is then routed to audio amplifier Q3 、 Q4. The output of the audio amplifier coupled to speaker from L5.

### Transmitter Circuit

Q4 is the crystal oscillator which is modulated by the output of the audio amplifier Q1 、 Q2 and Q3. The audio input is now from microphone, The RF output coupled to the antenna

### 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.