

Model No: WT-300A

CIRCUIT DESCRIPTION

Receiver Circuit

The wire antenna inductively coupled to L22 and mixer transistor Q1 and IC1 TA2003 IF amplifier and detector. The detector audio is then routed to audio amplifier IC2 LM386. The output of the audio amplifier coupled to speaker.

Transistor Circuit

Q6 is the crystal oscillator which is modulated by the output of the audio amplifier IC2 LM386. The audio input is now from mic. The RF signal coupled to RF amplifier transistor Q4 and Q5, The output of the RF amplifier coupled to the flexible antenna.

Power and Ground

Energy is supplied by button cell $1.5V \times 4$ PCS LR44 batteries. No external ground connection is provided and what ground that's available is from the printed circuit board.