

Operational Description

Referring to the attached schematic diagram,

I. EAR UNIT

- 1) The RF signal comes from the antenna to IC(U102) where it is amplified. The amplified signal is mixed at IC(U103), a 10.7 MHz oscillator. The signal goes to detector and the audio signal is decoded. The power of a audio amplifier IC(U151) is 3.6mW. And amplified audio signal is connected to 32 ohm speaker.
- 2) The audio signal comes from the MIC is decoded to the IC(U151). And Decoded signal was controlled at IC(U152) that was converted (IC U103) to RF signal And The signal is flow to the ANT.

II. BASE UNIT

- 1) The RF signal comes from the antenna to IC(U102) where it is amplified. The amplified signal is mixed at IC(U103), a 10.7 MHz oscillator. The signal goes to detector and the audio signal is decoded. The power of a audio amplifier IC(U51) is 3.6mW. And amplified audio signal is connected to EARPHONE JACK.
- 2) The audio signal comes from the EARPHONE JACK is decoded to the IC(U51). And Decoded signal was controlled at IC(U52) that was converted (IC U103) to RF signal And The signal is flow to the ANT.