

DESCRIPTION OF CIRCUIT FUNCTION

HANDSET

1. Power supply

3.6VDC 600mAH NiMH battery

2. Speech circuit

- Received signal is detected by RF module and applies IC102 (expensor) through IC301B. The expended audio signal output on pin 4 of IC102 is supplied to speaker after being adjusted the level by RV101 volume control.
- Audio signal input on microphone is supplied to pin 8 of IC102 (compander) and the compressed output signal level on pin 12 of IC102 is adjusted the level by RV102 to keep proper modulation ratio.

3. Audio transmit signal route

Microphone ---> pin 12 of IC102 ---> RV102 ---> RF module ---> antenna

4. Audio receive signal route

Antenna ---> pin 14 of RF module ---> pin 7 of IC103 ---> pin 4 of IC102
---> RV101 ---> speaker

5. Data transmit route

Talk data ---> pin 17 of IC101 ---> pin 4 of RF module --- antenna

6. Data receive route

Antenna ---> pin 14 of RF module ---> IC103B ---> IC103A ---> pin 12 of IC101