

DESCRIPTION OF ELECTRICAL CIRCUITRY

A) RECEIVER UNIT OPERATION

- 1) A signal from the base unit is received by the antenna, and is inputted to RF unit.
- 2) The digital base digital signal goes from pin 8 of RF unit is inputted to pin 26 of IC1.
- 3) In the IC1 BMC block pick up ADPMC signal from digital base band signal and pass to the ADPCM transcoder of IC1.
- 4) The LOG-PCM signal goes from BMC block to DSP block is expanded to Linear-PCM and decoded to audio signal.
- 5) The audio signal goes from pin 125 and pin 126 with balance to speaker.

B) TRANSMISSION UNIT OPERATION

- 1) When handset is lifted , this unit does into TALK mode.
- 2) The audio signal from microphone of handset is inputted to pin 135 and pin 136 of IC1 with Balance.
- 3) In the IC1 the audio signal is coded to Lear-PCM signal and also companded to LOG-PCM signal in DSP block.
- 4) The LOG-PCM signal goes from DSP block to BMC block is transcoded to ADPCM signal and formed Tx data.
- 5) The Tx data goes out from pin 17 of IC1 is inputted to pin 22 of RF unit. The modulated signal goes out from RF unit to antenna.