# IP Remote Controller

## Integrated Desktop Remote Control

**ACG SYSTEMS**

The ACG IP-Tone Remote (IPTR) Desktop Controller is the leading remote-control platform designed to manage analog and digital radio Voice Networks. ACG has fused the proven functionalities of RoIP and Tone Remote controllers into a single powerful integrated desktop remote control system that can access both tone and ED 137A, B, and C capable radios.

The IPTR reduces cost and streamlines the manageability of your network infrastructure, and is future-proof via Firmware upgrades. The IPTR can operate in your present tone environment, allowing the same remote equipment to be utilized in a transition to future RoIP operations.

## Features / Functions

- Fully Field programmable via integrated web browser RoIP Operating Modes:
  ED137 A, B, C Tone

- Mode: 2 or 4-wire tone keying
  (2175Hz & 2300Hz)

- Parallel TX Indicator, Alert Tone, Mute, Intercom

- Supports Hand Set or Desk

- Microphone Options

- Optional Alphanumeric Display

- Optional VU Level Meter

- USA and International power supply options Desk or Wall Mounting Options

## Specifications / Requirements

| | |
|---|---|
| Input voltage | 15 Vdc @ 1000mA<br>24 Watt Wall Transformer (supplied)<br>2.1 x 5.5mm barrel conn. Center (+) |
| Operating current @ 13.8 Vdc | 400 mA (TX)<br>650 mA (RX)<br>400 mA (Standby) |
| Input power (max) | 6 W (TX)<br>9.75 W (RX)<br>6 W (Standby) |
| Temperature range with LCD | 0 to +60° C<br>0 to +50° C |
| Relative humidity | 90% at 50° C |
| Line impedance | 600 ohms (4-wire RX)<br>600 or > 5k ohms (4-wire TX or 2-wire) |
| Line audio output | -10 dB$_m$ to +10 dB$_m$ into a 600 ohm load |
| Tx hum & noise | -60 dB (ref. +0 dB$_m$) (When using a high bit rate CODEC) |
| Speaker audio output | 3 W into 4 ohms |
| Distortion (at rated speaker output) | < 3%<br>(When using a high bit rate CODEC) |
| RX hum & noise | -55 dB |
| Frequency response | +1, -3 dB (300 to 3000 Hz except at notch frequency) |
| Rx Compression | With an audio increase of 30 dB beyond the start of compression the output increases less than 3 dB. |
| Tx Compression | With an audio increase of 30 dB beyond the start of compression the output increases 15 to 17 dB. |
| Line control | Wire or 4 Wire Tone<br>CAT-5 or CAT-6 for RoIP Use |
| Notch filter depth | > 45 dB (RX)<br>> 45 dB (TX) |
| Dimensions | 4.75" (H) x 8" (W) x 8" (D) |
| Weight | 5 lb. |
| Maximum Bandwidth Required | 55Kbps |