



Applications

- Police, Fire, Ambulance
- Utilities, Taxis, Airlines
- Forestry, Parks, Recreation
- Industries, Municipalities, Construction
- Security and Public Safety

The **ITR1000-001** Tone Remote Deskset is capable of controlling a single radio with four frequencies or two (2) radios with three (3) frequencies each, via a leased or private telephone line using standard EIA function tones. A Tone Remote Adapter, GAI-Tronics model ITA2000A or equivalent, is required to interface the deskset to the radio (if the radio is not tone-ready). Selecting between one or two radio control is a simple dipswitch setting inside the unit. If two radio control is selected, the F4/LS pushbutton is used to select between the two radios. **Note that the deskset will monitor received audio only from the selected radio.**

The increased output level permits the audio signal to overcome older system cabling and line loss. In addition, various audio adjustments are available to allow the ITR1000-001 to be interfaced to most tone systems. Control point distances are limited only by telephone line capabilities. The number of desksets used to control a single radio (parallel connection) is limited only by the system design (wire distances, gauge, etc.), relating to line loss.

Features

- **Programmable 3/4-Frequency Control**
- **Programmable One or Two Line (Radio Control)**
- **Monitor**
- **Intercom**
- **Multiple Parallel Deskset Support**
- **Parallel Transmit Audio**
- **Selectable Off-Hook Monitor**
- **Selectable Off-Hook Speaker**
- **Programmable Maintained Off-Hook Speaker**
- **Front-Panel Audio Mute/Unmute**
- **Adjustable Receive Input Sensitivity and Transmit Output Level**
- **Line Receive and Transmit Compression**
- **Built-In Microphone and Speaker**

The ITR1000-001 is equipped with the basic features of transmit, receive, and monitor. Programmable 3 or 4 frequency function control allows any one of the 16 EIA standard tones to be used for each frequency/function key. The intercom provides deskset users the ability to communicate with each other without tying up valuable radio channels. Parallel transmit audio allows the user to hear audio transmitted by another deskset. The adjustable receive input sensitivity and transmit output level (-15dB to +15dB) offers flexibility when radio output levels, line losses, and noise factors vary. Line receive and transmit audio compression automatically normalizes varying input and output levels caused by system factors.

Each ITR1000-001 includes a power supply, handset, and integral microphone and speaker. Front mounted controls and adjustments allow for each of installation and operation. The integral speaker can be programmed, via dipswitch, for continuous off-hook operation.

Tone Remote Deskset

ITR1000-001

Specifications

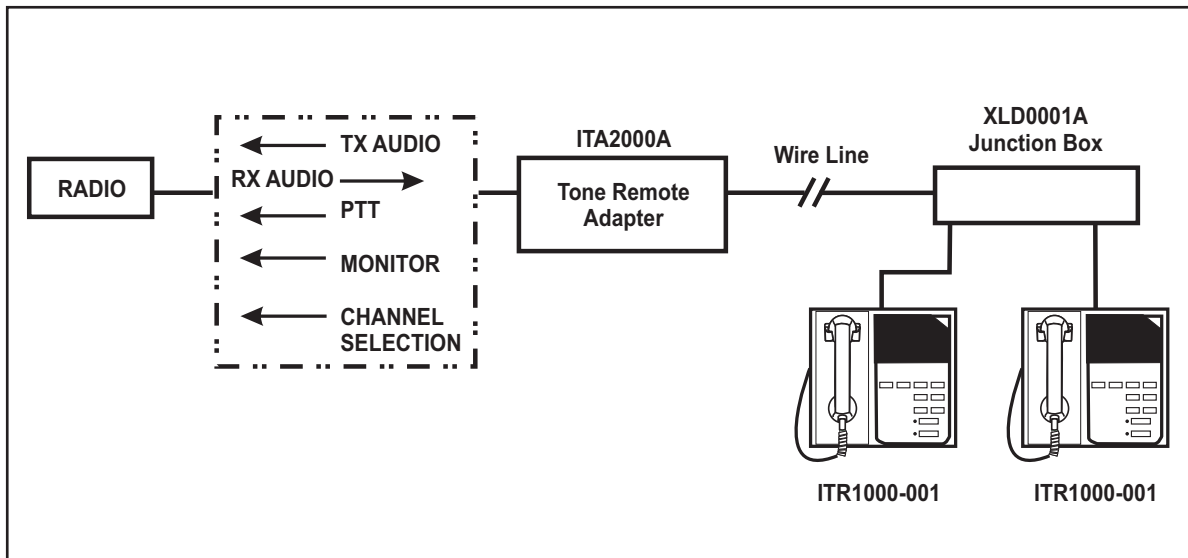
Color Black
 Size 7.6" W X x 8.9" L x 4.7" H
 Weight 2.4 lbs.
 Temperature -35° to +70°C
 Humidity 95% at 50°C (non-condensing)
 Line Impedance 600 ohms nominal
 Power Input 10.5 - 16 VDC; 0.5 A maximum from
 Class 2 listed AC adapter
 Nominal Input Level -10 dBm
 Range -25 to 0 dBm into 560 ohms
 Nominal Output Gain -10 dBm
 Range -15 to +15 dBm into 560 ohms
 Frequency Response ±3 dB at 300-3000 Hz
 (except notch filter)
 Frequency Stability Better than ±1.0%
 Hum and Noise Less than -45 dB below rated outputs
 Audio Output to Speakers 1 watt min. with level
 in compression range
 Audio Distortion Less than 3% THD

Max. Number of Remotes Per System Limitations
 Safety Class III SELV-powered
 equipment. Powered by UL-listed (E104603) and
 CSA certified (LR67888) ac adapter
 Emissions USA: FCC Part 15, Sub. B-Verification
 Canada: ICES-003
 Line Interface USA: FCC Part 68 Exempt (Category II
 Tariff #260 service for private/leased line applications) Canada:
 Designed to meet IC CS03-8

Control Functions

Guard Tone 2175 Hz
F1 thru F4 Tone Each function can be programmed
 from 550-1950 Hz (110 Hz increments)
 via the deskset pushbuttons.
Monitor 2050 Hz
 (Monitor control function can not be programmed)

System Diagram



Accessories and Options

ITA2000A Tone Remote Adapter
 40419-014 Replacement AC Wall Transformer
 XLD0001A Junction Box
 XAAB002A Audio Accessory Box

XHS003C / XCC004B Headset and Adapter Cable
 XDM004A Desk Microphone
 XFS002A Dual PTT & Monitor Footswitch
 XGM002A Gooseneck Microphone

Note: Models XHS003C, XDM002A, XFS002A, and XGM002A Require XAAB002A Audio Accessory Box.

Call Customer Service (1-800-492-1212) For Application Assistance and Pricing. Specifications Subject To Change Without Notice.



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 Quality Management System Certified by DNV - ISO 9001:2008

The policy of GAI-Tronics is one of continuous improvement, therefore the company reserves the right to change specifications without notice