

# Interchange LTD™

Intercom Phone Bridge + Digital Hybrid



## FEATURES

- » Male and Female 3 Pin XLR Intercom Loop Jacks
- » Male XLR Mix Line Out for Monitoring
- » Send and Receive LED Metering
- » Front Panel Screwdriver Level Controls
- » Front Panel Channel Select
- » Front Panel Cell Phone Interface
- » Listen Always, Talk when Talk-Enabled
- » Enable/Disable Auto-Answer
- » 16-bit DSP Technology
- » Front Panel Off-Hook LED
- » Send and Caller Signal Level LEDs

## Turn Your Phone Line Into a Party-Line.

Interchange LTD allows remote access to your party-line intercom system. This 1RU rackmount interface includes a digital hybrid for connection to analog (POTS) phone lines. The front panel headset interface jack allows easy connection to your wireless phone, tablet, or computer allowing remote access through a phone call or conferencing app. The front panel DTMF keypad and headset jack allow easy call setup.

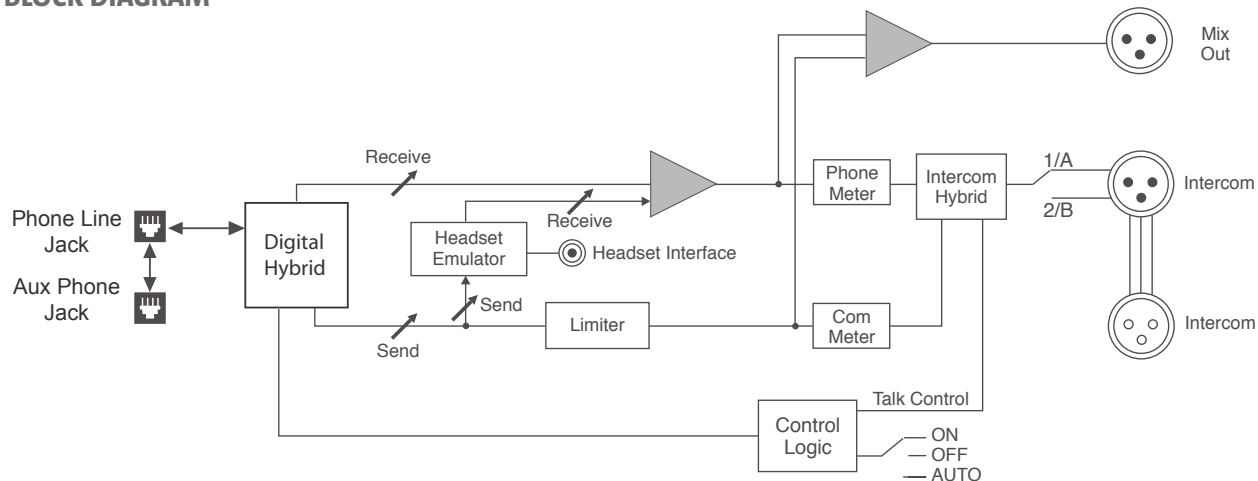
The internal digital hybrid connects intercom audio to a standard analog telephone line without the transmit/receive crosstalk common to analog hybrids. Its DSP continuously monitors both the phone line and audio signals to deliver excellent separation. This proprietary, dual-convergence echo canceller algorithm can achieve excellent separation, typically exceeding 50 dB, without any setup and without sending a noise burst down the line.

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### BLOCK DIAGRAM



### SPECIFICATIONS

#### Intercom Channel

<b>Connection:</b>	Male & Female 3-pin XLR
<b>Output Level:</b>	-10 dBu (250 mV RMS) nominal
<b>Terminating Impedance:</b>	200 ohms
<b>Bridging Impedance:</b>	>15k ohms
<b>Pin 1:</b>	Common
<b>Pin 2:</b>	Audio + 30 VDC ( +12 VDC min ) 50 mA
<b>Pin 3:</b>	Audio

#### Headset Interface

<b>Connection:</b>	3.5 mm TRRS
<b>Frequency Response:</b>	Wireless Interface 50 Hz - 7 kHz (HD Voice)

#### Output

<b>Balanced Male XLR:</b>	200 ohms / 500 mV RMS (-4 dBu nom) +12 dBu max
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#### Misc.

<b>Ringer:</b>	0.8B REN
<b>Isolation:</b>	1500 VAC
<b>Frequency Response:</b>	Telephone Side 200 Hz - 3600 Hz
<b>Monitor Headset Jack:</b>	3.5 mm TRRS
<b>Power:</b>	120-240 VAC Power Supply (included)
<b>Size:</b>	19" x 5.4" x 1.75"
<b>Weight:</b>	5.2 lbs

