

# AutoHybrid™

## Full Duplex Auto-Answer Hybrid



### FEATURES

	AH	LTD
» Enable/Disable Auto-Answer	•	•
» Excellent Separation of Caller and Talent Voice		•
» 16-bit DSP technology		•
» Hybrid Null Adjust (Up to 20 dB Separation)	•	
» Proprietary Auto Null Algorithm (50 dB null)		•
» Front Panel Off-Hook LED	•	•
» Send XLR Line Input	•	•
» Caller XLR Line Output	•	•
» Send and Caller Signal Level LEDs		•
» Remote Control Terminals	•	
» Guest Module 1 Remote Control Jack		•
» Rack Mountable	•	•
» Passive Design (No Battery or AC Required)	•	

AutoHybrid and innkeeper LTD shown for comparison

**AH** = AutoHybrid    **LTD** = innkeeper LTD

### Not just another half duplex auto-coupler.

This simple, passive, auto-answer/disconnect telephone line hybrid allows simultaneous send and receive audio through analog telephone lines. Suitable for monitoring remote locations, IFB feeds, and many simple studio, conferencing, and PA telephone interface applications.

**Full Duplex.** Yes, you can send and receive audio at the same time. The dual transformer hybrid is capable of 20 dB nominal trans-hybrid loss. In other words, your transmit signal will appear mixed with the receive signal, but at a level 20 dB lower than it was sent into the phone line.

**Auto-Answer.** The "Auto" feature is very simple. When the "Auto" switch is selected, AutoHybrid will answer on the first ring. The phone line will remain off-hook, until either the Drop button is depressed, or until the phone company releases the line.

### Accessories

#### RA4™ Rack Mount Panel

The RA4 holds four AutoHybrids in a 1U rack space.



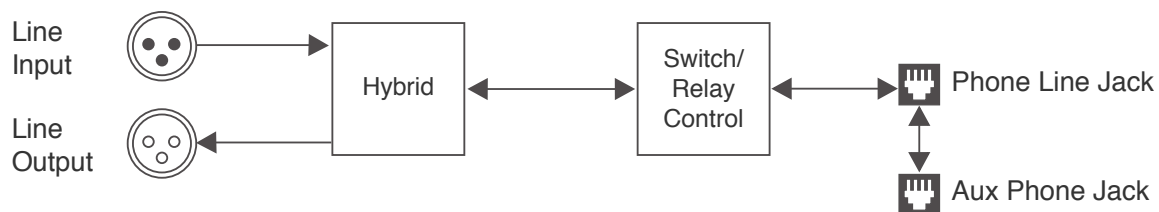
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### REAR VIEW



### BLOCK DIAGRAM



### SPECIFICATIONS

#### Input

<b>Female XLR:</b>	1k ohms / 500 mV RMS; -4 dBu nom.; +6 dBm max
<b>Insertion Loss:</b>	11dB Send XLR to Phone Line

#### Output

<b>Male XLR:</b>	600 ohms / 200 mV RMS; -12 dBu nom.
<b>Screw Terminals:</b>	Off-hook control (+5VDC Momentary)
	Release Control (+5VDC Momentary)
	OH LED Signal (pulled to ground on OH)

<b>Phone Line:</b>	RJ11C
<b>Aux Phone:</b>	RJ11C
<b>Ringer:</b>	0.8B REN
<b>Isolation:</b>	1500 VAC
<b>Frequency Response:</b>	Telephone Side 200 Hz-3600 Hz
<b>Size:</b>	4" x 5" x 1.5" (10.5 x 13 x 4 cm)
<b>Weight:</b>	12 oz.

