JK Audio

CE

AutoHybrid Auto-Answer Hybrid

FEATURES

- Passive operation - draws power from the phone line

- Full duplex hybrid

- XLR send jack

- XLR receive jack

- Auto-answer / Disconnect

- Hybrid null adjust - up to 20 dB separation

- Front panel Off-Hook LED

- Detachable remote screw terminal block provides:
  - Off-hook control
  - Release control
  - OH LED signal

AutoHybrid allows simultaneous send and receive audio through analog telephone lines. This is a simple, passive, auto-answer/disconnect telephone line hybrid. Not just another half duplex auto-coupler, this is a full duplex AutoHybrid. Perfect for monitoring remote locations, IFB feeds, and many simple studio, conferencing, and PA telephone interface applications.
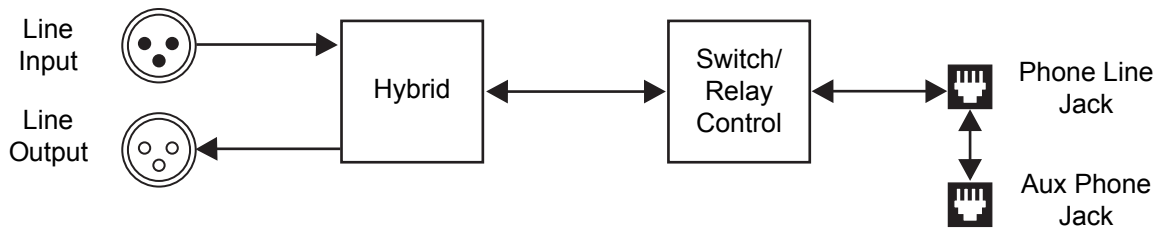
Yes, you can send and receive audio at the same time. The dual transformer hybrid is capable of 20 dB nominal trans-hybrid loss. In other words, your transmit signal will appear mixed with the receive signal, but at a level 20 dB lower than it was sent into the phone line.

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, or seized, until either the Drop button is depressed, or until the phone company releases the line. AutoHybrid will drop the line with either a momentary loss of line current or a polarity reversal. Keep in mind that it may take several seconds before the phone company provides this release signal. Also keep in mind that some business PBX telephone systems do not provide this release signal.

This small desktop unit easily converts to a rack-mount unit using the optional RA4 Rack Panel. The RA4 holds four AutoHybrids in a 1U rack space.

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AutoHybrid
AUTO-ANSWER HYBRID

Rear View

Specifications

	Input	Output
	Balanced Female XLR	Balanced Male XLR
Impedance:	1k ohms	600 ohms
Level (Line)	500 mV RMS (-4dBu) nom. (+6 dBm max.)	200 mV RMS (-12 dBu nom)
Phone Line:	RJ11C	
Isolation:	1500 VAC	
Ringer:	0.8B REN	
Aux. Phone:	RJ11C	
Insertion Loss	11dB Send XLR to Phone Line	

Screw Terminals:	Off-hook control (+5VDC Momentary)
	Release Control (+5VDC Momentary)
	OH LED Signal (pulled to ground on OH)
Frequency Response:	Telephone Side 200 Hz-3600 Hz
Weight:	1 pound (450 grams)
Size:	4" x 5" x 1.5" (10.5 x 13 x 4 cm)

Optional RA4 1U rack panel holds up to four AutoHybrids   (sold separately)

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