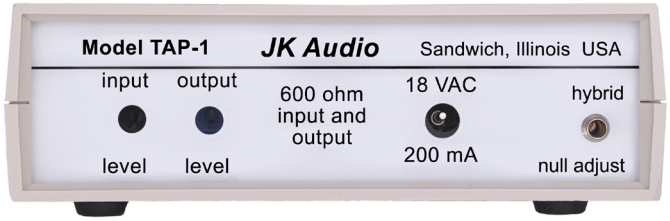
JK Audio

TAP-1 TELEPHONE LINE SIMULATOR

FEATURES

- 600 ohm RCA line in and out
- Recessed input and output volume controls
- Hybrid null adjustment optimizes transmit and recieve seperation to >50 dB
- Put two units back-to-back or through a mixer for TV or film studio recording
- Put an analog telephone on your sound card for internet telephone use

The TAP-1 is a phone line simulator for simple audio applications, that powers an analog telephone with the required –48 volts DC and separates audio into transmit and receive audio paths. The TAP-1 acts like an RJ-11 wall jack in your home. You may not know it, but the telephone company sends power down into your wall jack, and you use it to power your phone. This power is sent over the two wires called Tip and Ring. These two wires form a balanced, two-way voice path which can be sent miles with minimal noise and signal loss. This two-wire interface can be a burden if you just want to get audio in and out of a telephone without connection to the telephone company. The TAP-1 provides the Tip/Ring interface and –48 volt supply and then separates audio into transmit and receive. This is called a 2-wire to 4-wire hybrid. The bottom line... the TAP-1 can be used on TV or film studio sets where a telephone or cordless telephone is used on set and you want to get audio into and out of the telephone. You can also use the TAP-1 to test telephones, voice coding algorithms, or phone line equipment. The TAP-1 is built to very high specs for laboratory testing use.



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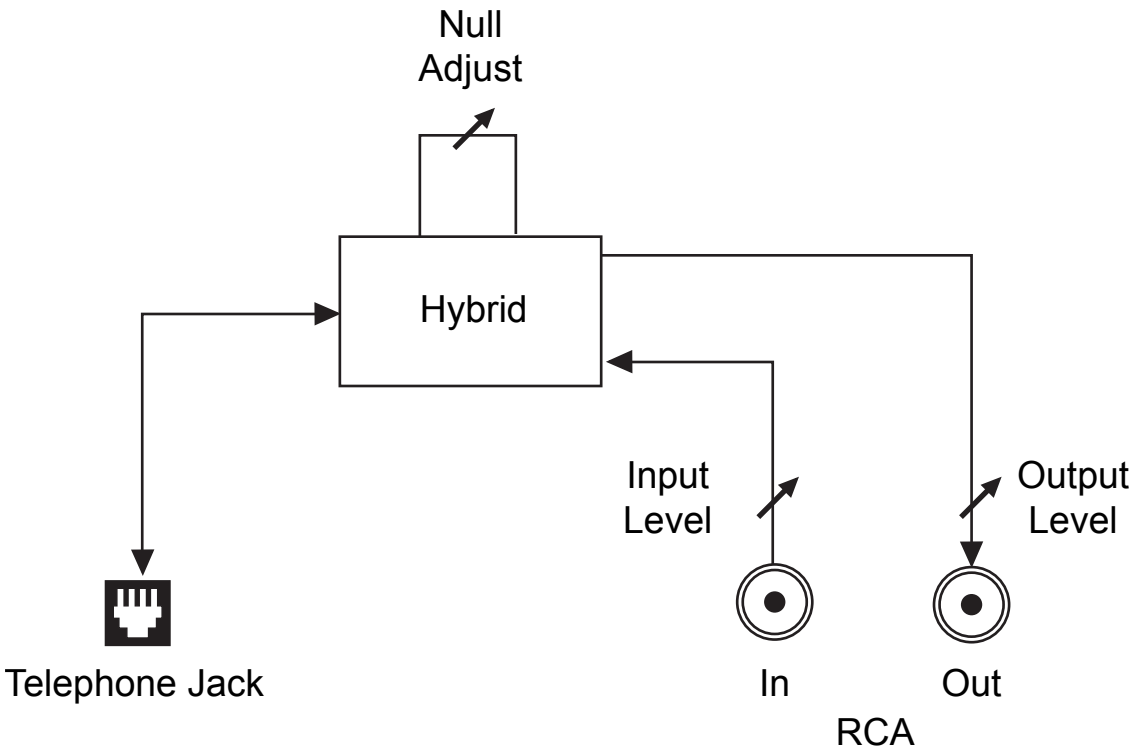

Specifications

	Input		
	Impedence	Level	Bandwidth
RCA Line in	600 ohms	250 mV RMS (-10 dBm nom.)	60 Hz - 15 kHz (+/- 3 dB) 120 Hz - 8 kHz (+/- 1 dB)

	Output		
RCA Line out	600 ohms	250 mV RMS (-10 dBm nom)	180 Hz - 12 kHz (+/- 3 dB) 300 Hz - 6 kHz (+/- 1 dB)

Phone Line Impedence	510 ohms	Power	18 VAC, 160 mA (120 VAC, UL approved transformer supplied)
DC Voltage	-48VDC (open circuit)		
DC series resistance:	480 ohms	Size:	5.1" x 5.2" x 1.6" (13 x 13.2 x 4.1 cm)
DC Current Max:	70 mAn (short circuit)	Weight:	1.3 lbs (600 grams)
Trans-Hybrid Loss:	>50 dB at 1 kHz		

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