

innkeeper 2™

Multi-Line Digital Hybrid



FEATURES

	1rx	i2	i4
» Excellent Separation of Caller and Talent Voice	•	•	•
» 16 bit DSP Technology	•	•	•
» Auto-Answer (Switchable On/Off)	•	•	•
» Proprietary Auto Null Algorithm (50 dB null)	•	•	•
» Conferencing		•	
» AGC, Ducking, Presence	•		
» 1 kHz Tone Generator	•	•	•
» Memory/Speed Dial		•	•
» Alpha-Numeric Keypad		•	•
» Menu with Backlit LCD Display		•	•
» Send XLR Line Input	1	2	4
» Mic/Line Switch	•		
» Master Send XLR		•	•
» Caller XLR Line Output	1	2	4
» Mix Out XLR Line Output	•		
» Front Panel 1/4" Headphone Jack	•		
» Monitor Handset Jacks		2	4
» Remote Control via Screw Terminals or RS-232	•	•	•
» RIU-IP Remote IP Interface	•	•	•
» Monitor Speaker Terminals	•		
» Send and Caller Signal Level LEDs	•	•	•
» Send and Caller Volume Controls	•	•	•

Look No Further for Conference Calls.

Innkeeper 2 squeezes two independent digital hybrids in a 1U rack space. The front panel keypad, display, and handset jacks provide easy speed dialing and call setup. Its excellent caller audio output does not exhibit the transmit/receive crosstalk common to analog hybrids. This makes innkeeper 2 perfect for radio or television talk shows, teleconferencing, or auto-answer IFB feeds. The Digital Signal Processor (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.

Menu System.

The menu driven keypad and back lit display allow you to store 50 phone numbers by name in a phone list. You can also use the display to set features such as the number of rings before auto answer, master send channel selection, and test tone output. An auxiliary telephone jack is provided for each line. The auxiliary telephone is disconnected when you press the Call button, and reconnected when you press the Drop button.

Call Conferencing.

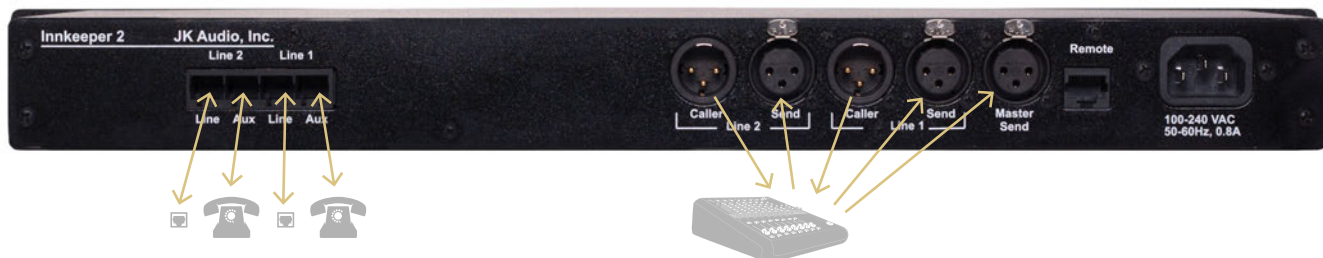
Call Conferencing is activated by the front panel Conference button or the Remote Interface Unit. The Conference button joins both calls in a 2-way conference when both lines are off hook. Additional options in the configuration menu allow you to tailor the conference feature to your application. These options determine if audio signals on the Send and Caller XLR jacks are mixed or kept separate during a conference. Other applications include: telephone interviews, talk shows, church PA interface, and conference room full duplex applications.

innkeeper 1rx and innkeeper 4 shown for comparison

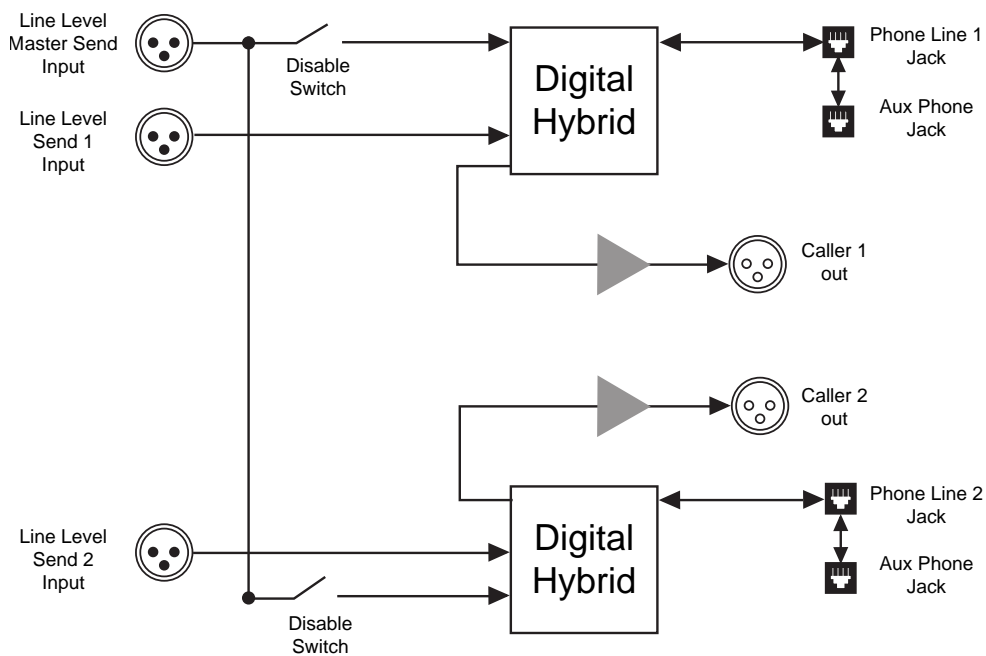
1rx = innkeeper 1rx i2 = innkeeper 2 i4 = innkeeper 4

innkeeper 2™

Multi-Line Digital Hybrid



BLOCK DIAGRAM



SPECIFICATIONS



Input

Balanced Female XLR:	20k ohms/ 500 mV RMS; -4 dBu nom.; +10 dBu max
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Output

Balanced Male XLR:	200 ohms/ 500 mV RMS; -4 dBu nom.; +10 dBu max
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Distortion: 0.4% THD @ 12 dBu

Frequency Response 160 Hz - 3400 Hz (+/- 3 dB)

S/N Ratio (No Caller): 92 dB

S/N Ratio (During Call): 49 dB

Handset: Front panel handset jacks biased for electret handset (not included)

Phone Line: RJ11C

Aux Phone: RJ11C

Ringer: 0.8B REN

Impedance: 600 ohms nom.

Isolation: 1500 VAC

Remote Control: ASCII RS-232 (DB9)

Screw Terminal I/O

IP Web Server (optional)

Recommended Operating Temperature: -20°C to +40°C

Power: 120-240 VAC 50-60 Hz power supply (internal)

Dimensions: 1.75" x 7.3" x 19" (4.5 x 18.6 x 48.3 cm)

Weight: 7.2 pounds (3.2 kg)