

# innkeeper 4™

## Multi-Line Digital Hybrid



## FEATURES

- » Excellent Separation of Send and Receive Audio
- » 16 bit DSP Technology
- » Proprietary Auto Null Algorithm, 50 dB Null
- » Memory / Speed Dial from Phone List
- » 12 Key Telephone Style Keypad with Alpha-Numeric Legend
- » 2-Line 20 Character Backlit LCD Display
- » Four Cursor Buttons and one Enter Button for Menu Functions
- » Auto Answer / Disconnect Capable
- » Call and Drop Buttons
- » Bi-color Send and Receive LEDs
- » XLR Line Input, one per Line
- » XLR Caller Output, one per Line
- » XLR Master Input Sends Audio to Selected Lines
- » Monitor Handset Jacks

### When a Single-Line Hybrid Isn't Enough.

Innkeeper 4 squeezes four independent digital hybrids in a 1U rack space. The front panel keypad, display, and handset jacks provide easy speed dialing and call setup. Digital hybrids allow you to send signals into the phone line while maintaining excellent separation between your voice and the caller. The balanced XLR output jacks contain only the caller's voice. Digital hybrids connect audio signals to standard analog telephone lines without the transmit / receive crosstalk common to analog hybrids. 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.

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. Innkeeper 4 features Auto-Answer/ Auto Disconnect for use in IFB and monitoring applications. Other applications include: telephone interviews, talk shows, church PA interface, and conference room full duplex applications.

VERSION 2.13

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# JK Audio

# innkeeper 4™

## Multi-Line Digital Hybrid

### REAR VIEW



### SPECIFICATIONS

#### Input

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

<b>Balanced Male XLR:</b>	200 ohms/ 500 mV RMS; -4 dBu nom.; +10 dBu max
<b>Handset:</b>	Front panel handset jacks biased for electret handset (not included)

<b>Distortion:</b>	0.4% THD @ 12 dBu
<b>Frequency Response</b>	160 Hz - 3400 Hz (+/- 3 dB)
<b>S/N Ratio (No Caller):</b>	92 dB
<b>S/N Ratio (During Call):</b>	49 dB

<b>Phone Line:</b>	RJ11C
<b>Aux Phone:</b>	RJ11C
<b>Impedance:</b>	600 ohms nominal
<b>Isolation:</b>	1500 VAC
<b>Power:</b>	120-240 VAC 50-60 Hz power supply (internal)
<b>Remote Control:</b>	ASCII RS-232 (DB9) Screw Terminal I/O IP Web Server (optional)
<b>Dimensions:</b>	1.75" x 7.3" x 19" (4.5 x 18.6 x 48.3 cm)
<b>Weight:</b>	7.2 pounds (3.2 kg)



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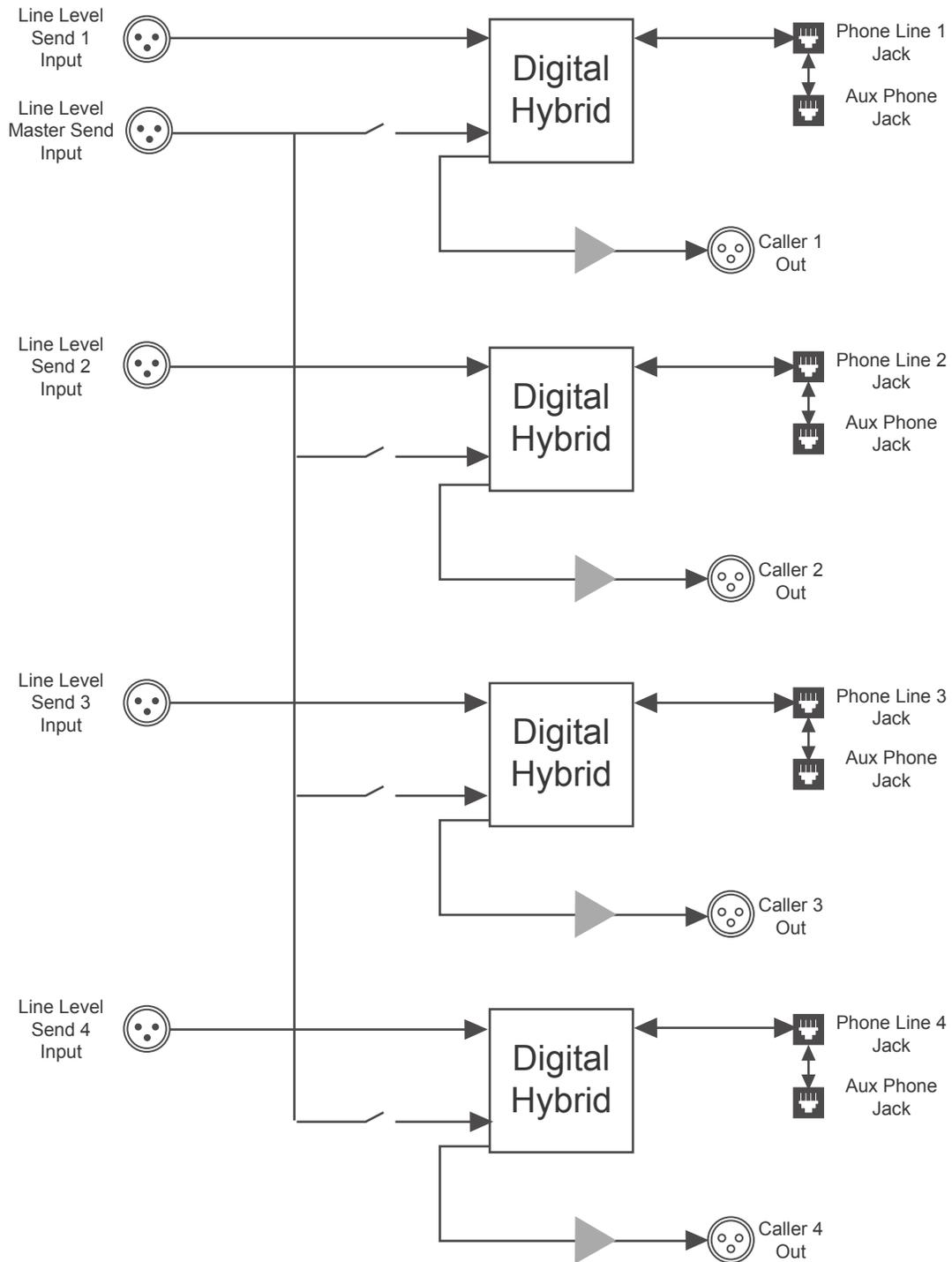
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**JK Audio**

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## Multi-Line Digital Hybrid

### BLOCK DIAGRAM



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