

Telos Hx1 Digital Hybrid - Analog In-Out

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Rentex Product No. XAPG100



Mfr Part No. TEL-200100242/HX1

The Telos Hx1 represents the highest state-of-the-art in hybrid performance, with Telos processing technologies that take the POTS hybrid to a new level of consistently superior performance, regardless of telephone line characteristics.

Inside the single-hybrid Hx1, you'll find advanced hybrid technology with new features that significantly sweeten and control caller audio. It comes standard with Auto-Answer, caller disconnect detection, sophisticated new audio-leveling and anti feedback routines for enhanced open-speaker applications, call screening and line-hold features, front-panel send and receive audio metering, plus much more.

Features

- Input/output via analog XLR
- Input switchable between MIC or LINE levels
- New EQ High and EQ Low display meters
- Digital Dynamic EQ and adjustable smart leveler keeps audio spectrally consistent from call to call
- Advanced hybrid algorithms

Detailed Specifications

General Processing Functions	Telos 3rd-generation Adaptive Digital Hybrids Telos Exclusive Feedback Reduction Functions, including Acoustic Echo Cancellation	Analog Outputs	(1) Hx1, (2) Hx2
Send (To Caller Processing)	Sample Rate Conversion; High-pass Filter; Frequency Shifter; AGC/Limiter	Connector	XLR Male, Pin 3 High
Receive (From Caller) Processing	High-pass 'Hum' Filter; Smart AGC / Platform Leveler; Noise Gate; Caller Ducking; Telos' DDEQ (Digital Dynamic Equalization) 3-band Adaptive Spectral Processor; Sample Rate Conversion	Output Level	Nominal at +4 dBu
Frequency Response	200 to 3400 Hz, +/- 1 dB	Impedance	<50 ohms
THD+N/Input	< 0.5% THD+N using 1 KHz sine wave	Digital-to-Analog Converter Resolution	24 bits
Signal to Noise	>90 dB	Headroom Before Clipping	20 dB headroom from 4dBu nominal levels
Analog Inputs	(1) Hx1, (2) Hx2	General purpose	Single 9 pin D-Sub connector with 2 status outputs (Ringing and ON-AIR) and 2 I/O Control inputs (ON and OFF) per hybrid
Connector	XLR Female, Pin 2 High (Active Balanced with RF Protection)		
Input Range	Select between MIC and LINE levels		
Input Level	Adjustable from -10 to +4 dBu (nominal)		
Impedance	Bridging, > 50K Ohms		
Analog Clip Point	+21 dBu		