

HALF-RACK SERIES Model HR-DSX4 **Digital Audio Selector**



- Operation Up to 24 bits, 192 kHz

- **Open-Collector Output for Selected Input**
- Input LED Flashes if Valid Input is Not Connected

The HR-DSX4 is an RDL HALF-RACK product, featuring an all metal chassis and the advanced circuitry for which RDL products are known. HALF-RACKs may be operated free-standing using the included feet or may be conveniently rack mounted using available rack-mount adapters.

APPLICATION: The HR-DSX4 is the ideal choice in installations requiring high quality source selection between digital audio signals. Solid-state switching is used to select one of four inputs. Each input may be fed through one of three jacks: S/PDIF optical, S/PDIF coaxial or AES/EBU. AES-3ID sources may be connected to the S/PDIF inputs. The selected input is decoded, reclocked and transmitted through the output stage. The output is switch-selectable to provide an AES/EBU, S/PDIF coaxial, S/PDIF optical or AES-3ID output. The switch enables the appropriate output jack and any required electrical and data format conversion. The AES/EBU inputs and output are 110 Ω ; the S/PDIF coaxial and AES-3ID input signals connect through 75 Ω terminated phono jacks. RDL's proprietary **SURE-LOK**TM auto-recovery supervision monitors possible causes of latch-up and reinitiates signal lock to provide highly stable operation in the variety of conditions encountered in professional environments.

The front panel features four high-reliability, keyboard-style source selection pushbuttons with corresponding LEDs. Upon selecting a source, the associated input LED lights if a valid digital audio signal is present and flashes if not present. If the button for a selected source is pushed again, all inputs are turned off until the next source selection. A front-panel LOCAL/REMOTE switch enables either the front-panel buttons or the rear-panel remote control terminals provided on detachable terminal blocks. In the REMOTE mode, inputs are selected by an external momentary switch or open-collector closure to ground. Five remote control terminals are provided; one for each digital audio source, and one to shut OFF all inputs. Installing a jumper from the CT terminal to ground requires a continuous remote closure when a source is to be switched on, permitting remote control by an RDL RC4-RU wall-mount 4-button Remote Control or OEM equipment. When a source is selected, the HR-DSX4 provides a 50 mA opencollector output to control other equipment or modules.

The HR-DSX4 is powered from 24 Vdc, which may be connected through the detachable terminal block or through the dc power jack. A front-panel power switch is provided.

Use the HR-DSX4 individually, or combine it with other RDL products as part of a complete audio/video system.



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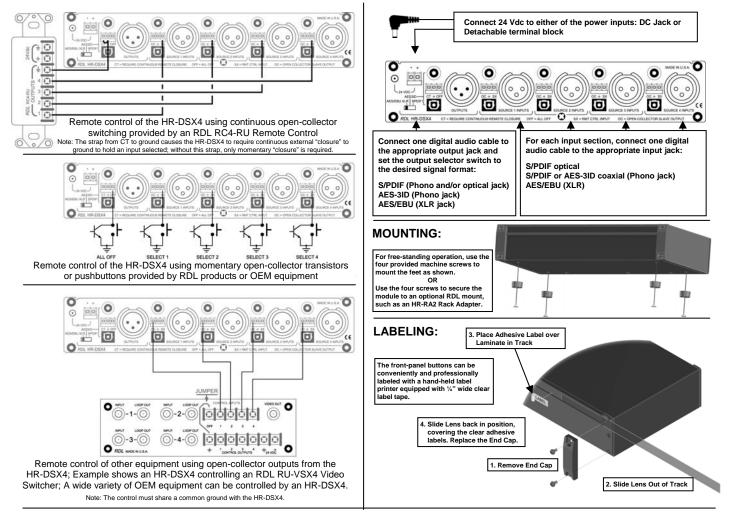
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REMOTE CONTROL EXAMPLES:

Installation/Operation

EN55103-1 E1-E5; EN55103-2 E1-E4 Typical Performance reflects product at publication time exclusive of EMC data, if any, supplied with product. Specifications are subject to change without notice.

CONNECTIONS:



TYPICAL PERFORMANCE

Inputs (12):	110 Ω AES/EBU XLR (4), transformer isolated; S/PDIF optical (4); 75 Ω S/PDIF or AES-3ID coaxial phono jack (4)		
Outputs (3):	110 Ω AES/EBU XLR, balanced transformer isolated; S/PDIF optical; 75 Ω S/PDIF or AES-3ID coaxial phono jack		
Selector:	Rear-panel output format selector: AES/EBU, S/PDIF or AES-3ID		
Sample Rate:	32 kHz to 192 kHz		
Resolution:	16 to 24 bits		
Indicators (6):	POWER LED; INPUT Source Selected LED (4); REMOTE Control Mode LED		
Standards:	AES3-2003, IEC60958		
Power Requirement:	24 to 33 Vdc @ 50 mA, Ground-referenced		
Mounting:	Rack-mount using optional rack adapters such as HR-RA2; or operate free-standing (feet included)		
Dimensions:	Height: 1	1.7 in	4.3 cm
	Length: 8	3.6 in	20.6 cm
	Depth: 4	4.59 in	11.66 cm

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