

X-4sd

Audio/MPX switch/splitter

Professional switch and splitter for digital audio and MPX



X-4sd – Audio/XLR switch/splitter



General

- ▶ The perfect companion for redundant audio and MPX streaming
- ▶ Four stereo channel splitter and switch selectable in one device
- ▶ Four digital inputs via female XLR-3
- ▶ Four digital outputs via male XLR-3
- ▶ Bypass relay for continuous operation, even after power failure
- ▶ Dual power supplies (230 VAC and/or -48VDC, Internal or Hot-swap)
- ▶ Remote control via IP (SNMP/WebGUI) and GPIO

Splitter

- ▶ Up to four outputs
- ▶ Active powered distribution amplifier for each output
- ▶ Manual input selection
- ▶ Passive bypass on channel 1

Switch

- ▶ Up to two independent audio switches
- ▶ Configurable number of switching inputs
- ▶ Combinable with splitter
- ▶ Adjustable detection of audio or MPX presents and automatic switch over
- ▶ Passive bypass on channel 1

Control

- ▶ Remote control via GPIO, WebGUI or SNMP
- ▶ Multiple access levels (Read-only, Manager & Administrator)

Monitoring

- ▶ Headphone output
- ▶ Quality parameters via SNMP/WebGUI and GPIO

Backup / advanced redundancy management

- ▶ Passive loop through relays available
- ▶ Optional: Redundant power supply 230 VAC or -48 VDC



Technical details 1/2



Interfaces

Performance

Digital in	4x AES/EBU, 110 Ω bal., integrated XLR
Digital out	4x AES/EBU, 110 Ω bal., integrated XLR
Amplifier	3-way AES/EBU stereo digital distribution amplifier
Headphone (out)	L/R, < 10 Ω, 6,3 mm
Dynamic range	16 Bit, > 89 dB 24 Bit, > 130 dB
Sample rates	16 kHz...192 kHz
Insertion Loss	<0.1 dB
Impedance	110 Ω ±2%
Output Insulation	>40 dB
Max. voltage level	10 Vpp

Ethernet

Data	Controlling and setup functions
Connector	3x RJ45
Type	Auto switching 10/100/1000 BASE-T

Contact closure

Inputs	8 inputs 26 pole sub-D male
Outputs	7+1 floating relays 7 relays SPST (from A) 1 relay SPDT (from C) DC: max. 30 V, 1 A, 10 W 26 pole sub-D male

Control & monitor

Ethernet

User interface	Integrated WebGUI, LCD display
Data	Control and setup functions
Optional	Private data, MPEG ancillary data (IRT)
USB	USB 2.0 interface for service, configuration and firmware updates
Protocol	2wcom NMS, Telnet, HTTPS, SNMP, UDP, Reliable Transport, SFTP, IGMP, ICMP, NTP, DHCP, SNMP, SSH, PTPv2, TCP

Front panel

LCDisplay	Graphical, 264x64 pixel
Jog wheel	Impulse, enter button
4 Duo LEDs	Power, input, output, warning



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General data

Power consumption	<20W
Case dimensions	19", 1 HU, Depth: 310 mm, Width: 424 mm, Front panel: 484 mm
Weight	< 5 kg
Material	Steel plate (aluminium-zinc coated)
Operating temp. range	0...+45°C
Storage temp. range	-40...+70°C
Languages	English

Power supply

Standard	1x internal, 90...260 VAC, 47...63 Hz, 1x power port (EU Type- socket)
Optional version 1	Two internal redundant power supplies (230 VAC or -48 VDC), auto switchover
Optional version 2	Two hot swappable redundant power supplies (230 VAC or -48 VDC), auto switchover

Available models

Basic	X-4sd splitter
Option	X-4sd switch
Option	MPX 192kHz