

Sublime digital audio

Compact digital audio routers with control panel routers

Neveon's Sublime digital audio routers cover most studio routing applications with a router series ranging from 8x8 to 64x64—both in balanced and unbalanced versions. Options for embedded control panels, combined with extensive third-party support provided by all Neveon routers allows the routers to fit in many applications, and also eases the installation into existing systems.



Ordering options without control panels

12455 SL-AD0808-110	8x8 balanced digital audio 1RU router
12475 SL-AD1602-110	16x2 balanced digital audio 1RU router
12495 SL-AD1616-110	16x16 balanced digital audio 1RU router
13083 SL-AD3232-110	32x32 balanced digital audio 2RU router
16745 SL-AD6464-110	64x64 balanced digital audio 4RU router
12457 SL-AD0808-75	8x8 unbalanced digital audio 1RU router
12477 SL-AD1602-75	16x2 unbalanced digital audio 1RU router
12497 SL-AD1616-75	16x16 unbalanced digital audio 1RU router
16729 SL-AD3232-75	32x32 unbalanced digital audio 2RU router
16746 SL-AD6464-75	64x64 unbalanced digital audio 4RU router



Key features

- Balanced 110 Ohm on DB25 female connectors
- Unbalanced 75 Ohm on BNC
- Embedded XY control panel
- Ethernet/RS232/NCB control
- Extensive third-party support
- Size: 19 inch—1RU, 2RU or 4RU—depth 5cm
- Router range from 8x8 to 128x128
- Software-based Configurator for easy system set-up
- Low power, high reliability design
- Redundant power supply



Ordering options with control panels

12456 SL-AD0808-110-CP	8x8 balanced digital audio 1RU router with control panel
12476 SL-AD1602-110-CP	16x2 balanced digital audio 1RU router with control panel
12495 SL-AD1616-110-CP	16x16 balanced digital audio 1RU router with control panel
13084 SL-AD3232-110-CP	32x32 balanced digital audio 2RU router with control panel
16747 SL-AD6464-110-CP	64x64 balanced digital audio 4RU router with control panel
12458 SL-AD0808-75-CP	8x8 unbalanced digital audio 1RU router with control panel
12478 SL-AD1602-75-CP	16x2 unbalanced digital audio 1RU router with control panel
12498 SL-AD1616-75-CP	16x16 unbalanced digital audio 1RU router with control panel
16730 SL-AD3232-75-CP	32x32 unbalanced digital audio 2RU router with control panel
16748 SL-AD6464-75-CP	64x64 unbalanced digital audio 4RU router with control panel

Sublime digital audio

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8x8 digital audio router

SL-AD0808-110/SL-AD0808-110-CP



Dimensions
483x44x50mm (19", 1RU)

SL-AD0808-75/SL-AD0808-75-CP



Dimensions
483x44x50mm (19", 1RU)

16x2 digital audio router

SL-AD1602-110/SL-AD1602-110-CP



Dimensions
483x44x50mm (19", 1RU)

SL-AD1602-75/SL-AD1602-75-CP



Dimensions
483x44x50mm (19", 1RU)

16x16 digital audio router

SL-AD1616-110/SL-AD1616-110-CP



Dimensions
483x44x50mm (19", 1RU)

SL-AD1616-75/SL-AD1616-75-CP



Dimensions
483x44x50mm (19", 1RU)

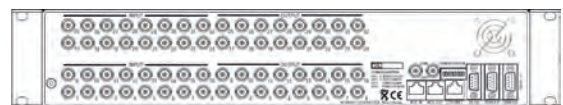
32x32 digital audio router

SL-AD3232-110/SL-AD3232-110-CP



Dimensions
483x88x50mm (19", 2RU)

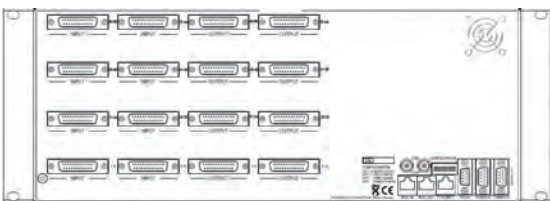
SL-AD3232-75/SL-AD3232-75-CP



Dimensions
483x88x50mm (19", 2RU)

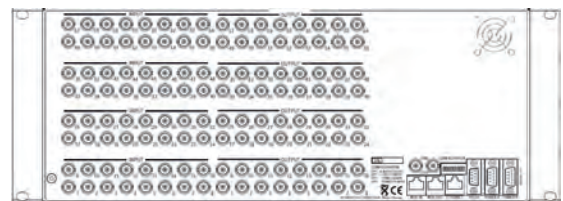
64x64 digital audio router

SL-AD6464-110/SL-AD6464-110-CP



Dimensions
483x176 50mm (19", 4RU)

SL-AD6464-75/SL-AD6464-75-CP



Dimensions
483x176 50mm (19", 4RU)

Compact digital audio with control panel routers

Power supply

SL-PWR-90	90W Power supply unit for SL-AD6464-75(-CP)
SL-PWR-40	40W Power supply unit for all other SL-AD versions

See specs for power supplies in the Sublime accessories section.

Control

Serial port	RS232 for protocol conversion, to VikinX compact control protocol, or to third-party protocols
Connector	DE9, D-sub 9-pin female
NCB ports	For integration with VikinX compact router configuration
Connectors	2x RJ45 (1 in/1 out)
Ethernet port	10/100 Base-T Ethernet bus for external router control
Connector	RJ45
Optional Features	
Control panel	Optional, built-in control panel available External control panels available

Supported protocols

MRP (IP), NCB Compact (serial), NCB Sublime (serial), GVG/Thomson Native (IP), Leitch PassThru (IP and serial), Triton (serial)

Supported formats

110 Ohm balanced routers	
Signal type	AES3 Balanced digital audio LTC time code
75 Ohm unbalanced routers	

Supported formats

Signal type	AES Unbalanced digital audio LTC time code
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Electrical signal specifications

110 Ohm balanced routers	
Connector	DB25 female
Input Impedance	110 Ohm $\pm 20\%$
Output impedance	110 Ohm $\pm 20\%$
Input level tolerance	200mVpp to 7Vpp
Output level	2Vpp < Vo < 7Vpp
Output jitter	< 0.025UI
75 Ohm unbalanced routers	
Connector	75 Ohm BNC female
Input Impedance	75 Ohm nominal
Output impedance	75 Ohm nominal
Input level tolerance	200mVpp to 7Vpp
Output level	2Vpp < Vo < 7Vpp
Output jitter	< 0.025UI

Reference inputs

Number of inputs	1
Connector	75 Ohm BNC female, loop-thru
Return loss	>40dB (100 kHz – 5 MHz) >35dB (5 – 10 MHz)
Signal format	NTSC or PAL Black&Burst
Signal level	Nominal 1.0Vp-p
Field selectivity	Field 1
Timing rang	PAL: within clock-intervals (27MHz) 565 – 835 in line 6 NTSC: within clock-intervals (27MHz) 565 – 835 in line 10