



Routing Switcher – Stereo Audio

Model S2-106AD

S2-106AD may function as a standalone routing switcher/audio processor or be connected to any of the C2-1000/2000 Series products to provide six additional differential audio inputs. The user controls audio sampling frequencies and up to 999ms of adjustable audio delay. The unit has numerous choices for Audio I/O connector types depending on user preference. The S2-106AD connects to the C2 unit via an OPTION interconnect cable and is fully integrated into the control system of the host C2 Scaler/Switcher.

Multiple S2 units of different formats may be interfaced to a single C2 product, however, only one of any given format may be connected. The Windows Control Panel recognizes the C2 unit and all the connected S2 units as a single Multi-format Seamless Switcher. This fully customizable approach allows the user to choose the appropriate C2-1000/2000 Switcher/Scaler and the S2 Switchers to achieve the desired number of inputs.

As well as the S2-106AD, S2 Switchers are available in a variety of other formats. The units are housed in desktop cases and optional Single/Dual Rackmount Kits are available. A single 5-Input S2 unit can be powered via the host C2 unit's OPTION Interconnect Cable, which also supplies control. External power adapters are provided for the additional S2 units connected to the C2.

Standalone Operation - S2 Series Switchers can also operate as standalone Video and Audio Routing Switchers. Input selection is by front panel Push Buttons, IR Remote Control or via RS-232.

Specifications

Stereo Audio Inputs/Outputs

Inputs – Balanced/Unbal	5x via Terminals (Note 1)
Inputs – Unbalanced	5x via 2x RCA (R&L) (Note 1)
PC Input – Unbalanced	1x via 3.5mm Mini-Stereo
Output - Balanced/Unbal	1x via Terminals
Output - Unbalanced	1x via 2x RCA (R&L)
Headphone Output	1x via 3.5mm Mini-Stereo

Audio Characteristics

Frequency Response	100KHz +/- 3dB
Sampling Rates	32, 44.1, 48 & 96 kHz
Audio Delay (Channel 1)	Up to 999ms (Note 2)
Level and Balance	MUTE, -15dB to +15dB
Input/Output Type	Line Level – all I/O

Control

Standalone Operation	Push Button, IR, RS-232
From C2 Series Device	via D-15 OPTION Connector

Mechanical

Size (H-W-D)	41.5x218x150mm(1.63"x8.6"x5.9")
Weight (Net)	1.18kg (2.60 lbs)



Key Features of the S2-106AD Audio Switcher

- Provides 6x Stereo Audio Inputs
- Variable Audio Delay & User Controlled Sampling
- Interface to Host via OPTION Connector
- Menu Driven Control via Joystick and LCD
- Controllable via RS-232, IR or Front Panel
- Multiple Input and Output Connector Choices
- Optional Single/Dual Rackmount Kit Available

Warranty

Limited Warranty 2 Years Parts and Labor

Environmental

Operating Temperature	0° to +50° C (+32° to +122° F)
Operating Humidity	10% to 85%, Non-condensing
Storage Temperature	-10° to +70° C (+14° to +158° F)
Storage Humidity	10% to 85%, Non-condensing

Power Requirement

All Models 12VDC@1A (Note 3)

Regulatory Approvals

Expansion Units	FCC, CE, RoHS
Power Supplies	UL, CUL, CE, PSE, GS, RoHS

Product Item Numbers

S2-106AD Switcher 6x1 Stereo Audio w/Delay

Accessories Included

1x Operations Manual	S2 Series
1x Power Adapter	US, UK or Euro
1x OPTION Interconnect	D-15M to D-15M & D-15F Cable

Optional Accessories

RM-220	Single/Dual Rackmount Kit
IRC-5	Infrared Remote Control

Notes

- (1) Available differential audio inputs total a maximum of 5x when using the Terminals or RCA connectors plus one additional input via the 3.5mm Mini-Stereo jack.
- (2) Audio delay amount available depends on the sampling frequency. (999ms @ 32kHz sampling)
- (3) The C2-2000 series supplies enough power via the Options Connector for one 5-Input S2 unit. Additional S2 units may be powered with separate power adapters which are included.

Panel Drawings

