

SN-4100A

**Affordable Easy to Use
VGA and Stereo Audio Switcher**

FSR

Video Products Group

SN-4100A



DESCRIPTION

The SN-4100A is a 4 input to 1 output high resolution VGA switcher that provides balanced stereo audio switching with audio following video.

The SN-4100A is ideally suited for stand alone use or as an upstream switcher for a stand alone scaler or a scaling switcher. The SN-4100A could also be used to route 4 high resolution signals to a down converter.

At 1 RU in height, and 1/2 rack wide, the SN-4100A is easy to install and does not require an excessive amount of space. All connections are on the back of the unit using HD-15's for VGA and 5 position plugable Phoenix connectors for stereo balanced audio.

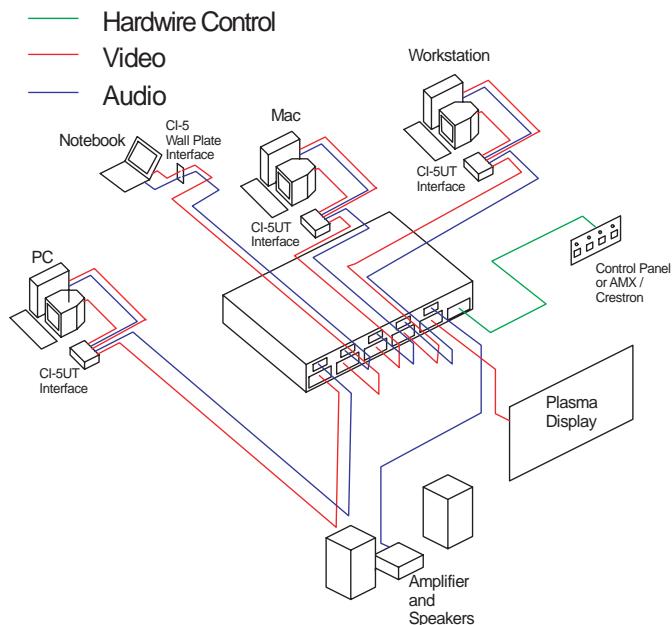
Control of the SN-4100A is available on the front panel through 4, large, easy to see push buttons with an LED that illuminates for the selected input. The SN-4100A also provides a contact closure interface, with lamp feedback, for remote control or to interface to an AMX or Crestron system.

As with all FSR products, the SN-4100A includes all of the necessary accessories for use and installation. The SN-4100A ships with a power supply, manual and a full width rack mount kit with removable blank.

APPLICATIONS

- Classrooms
- Boardrooms
- Houses of Worship
- Rental and Staging

SN-4100A System Diagram



FEATURES

- Affordable
- Ultra High Bandwidth
- Easy to Use
- Stereo Audio

FSR Inc.

244 Bergen Boulevard, Woodland Park, NJ 07424

Phone: 973.785.4347 · Fax: 973.785.4207

Order Desk: 1-800-332-FSR1

Web: www.fsrinc.com · E-mail: sales@fsrinc.com LIT1092A

TECHNICAL SPECIFICATIONS

AUDIO

Bandwidth:	20Hz to 20 kHz (+/- 0.1dB)
THD + Noise:	0.03% @ 20 kHz at rated Max Output S/N > 98dB
Noise floor:	< 90dBm
Stereo separation:	-85dB @ 1kHz
Gain	6dB

AUDIO INPUTS

Number / type:	4 stereo balanced (may be used with unbalanced sources)
Connectors:	5 Position pluggable screw terminal
Impedance:	20K ohms balanced
Max level:	+6dBm

AUDIO OUTPUT

Number / type:	1 Balanced Stereo
Connector:	5 Position pluggable screw terminal
Impedance:	50 ohms
Maximum Level:	600 ohms: +12dBm Balanced / +6dBm Unbalanced Hi - Z : +14dBm Balanced / +8dBm Unbalanced

VIDEO INPUTS

Type:	HD-15 Female (x4) standard VGA style
Impedance:	75 ohms
Level:	1 volt p-p nominal, +/-1.5 volt max
VSWR:	<1.2 @ 200 MHz typical
Isolation:	-40dB @ 350 MHz typical off channel isolation

VIDEO OUTPUT

Type:	HD-15 Female (x1) standard VGA style
Impedance:	75 ohms
Gain:	unity into 75 ohm load
Offset:	15 mV max
Bandwidth:	350 MHz
Flatness:	0.25dB to 250 MHz
VSWR:	<1.2 @ 190 MHz

CONTROL I/O

Type:	"Hardwire" via contact closure and lamp feedback
Connector:	DB-9 Female (no RS-232 serial port)
Switch input:	Normally open momentary inputs
Lamp Tally Output	5 VDC @ 15 MA. Current limited LED outputs (latched)

POWER REQUIREMENTS

9 volts @ 400 mA (AC or DC).
A 9 VAC @ 1 AMP power adapter is included with two pin Molex disconnect.

Specifications are subject to change without notice.

FSR Inc.

244 Bergen Boulevard, Woodland Park, NJ 07424
Phone: 973.785.4347 · Fax: 973.785.4207 · Order Desk: 1-800-332-FSR1
Web: www.fsrinc.com · E-mail: sales@fsrinc.com

SYNC INPUTS

Impedance:	470 ohms
Type:	TTL high noise immunity
Level:	1.9 volt minimum

SYNC OUTPUT

Impedance	75 ohm
Level:	5 volts into Hi-Z, 2.4 Volts into 75 ohm load
Rise / Fall	
Time:	0.8 nS
Propagation	
Delay:	17nS

MOUNTING

Standard 19" Rack Mount Kit included

DB-9 Control I/O Pinout

PIN	FUNCTION
1	SWITCH 1 INPUT
2	SWITCH 3 INPUT
3	LAMP 1 OUTPUT
4	LAMP 3 OUTPUT
5	GROUND
6	SWITCH 2 INPUT
7	SWITCH 4 INPUT
8	LAMP 2 OUTPUT
9	LAMP 4 OUTPUT

