

MLS 100 A

Four Input Stereo Audio MediaLink® Switcher



FEATURES

- **Inputs:** Four switchable inputs on captive screw connectors
- **Output:** Captive screw connector
- **Additional input** accepts balanced/unbalanced mono line level audio signals for mixing with any of the four switchable inputs
- **Audio input gain and attenuation** via RS-232
- **Remote volume control** via RS-232 or MediaLink Controller
- **Input selection control** via MediaLink Controller, front panel, or RS-232
- **Rack-mountable, 1U, quarter rack width metal enclosure**
- **External universal power supply included, replacement part # 70-775-01** — Provides worldwide power compatibility.

DESCRIPTION

The Extron **MLS 100 A** MediaLink® Switcher is a compact, four input, one output active stereo audio switcher utilizing captive screw connectors. Inputs one through four provide unbalanced audio while an additional input is an active auxiliary line level mono audio input that can be mixed with any of the other four selectable inputs. When used with a MediaLink controller, input selection and volume control are easily achieved using the controller's user interface or RS-232. Input selection can also be controlled using the switcher's front panel buttons.

The CSR 6 Captive Screw to RCA Audio Adapter is available as an optional output adaptor, converting the captive screw output of the MLS 100A to a pair of female RCA connectors.

Part of the VersaTools® line of products, the MLS 100 A is housed in a quarter rack width metal enclosure, making it ideal for installation in podiums and other small space areas. Because of its small size, the MLS 100 A can also be mounted or placed on a shelf along with a VCR and DVD player.

MediaLink Switchers are designed to be used in conjunction with a MediaLink Controller to facilitate low-cost integration. They can also be used as stand-alone switchers.

SPECIFICATIONS

AUDIO

Gain	Unbalanced output: -6 dB; balanced output: 0 dB (unity)
Frequency response	20 Hz to 20 kHz, ±0.5 dB
THD + Noise	<0.5% @ 1 kHz at nominal level
S/N	>90 dB @ 20 Hz to 20 kHz
Crosstalk	<-65 dB @ 20 Hz to 20 kHz, <-80 dB @ 1 kHz and below 60 Hz, fully loaded
Stereo channel separation	>72 dB @ 20 Hz to 20 kHz
CMRR	>75 dB @ 20 Hz to 20 kHz

AUDIO INPUT

Number / Signal type	4 stereo / mono, unbalanced (switchable) 1 mono, balanced/unbalanced aux-mix (always active, non-switchable)
Connectors	(5) 3.5 mm captive screw connectors, 3 pole
Impedance	>10k ohms unbalanced, >20k ohms balanced, DC coupled
Nominal level	-20 dBV (100 mV), -10 dBV (316 mV), 0 dBu (0.775 V), or +4 dBu (1.23 V); (configurable)

NOTE: 0 dBu = 0.775 Vrms, 0 dBV = 1 Vrms, 0 dBV = 2 dBu, +4 dBu and 0 dBu are professional audio line level standards. -10 dBV and -20 dBV are semiprofessional, computer audio, and consumer audio standards.

Maximum level	+14 dBu, (balanced or unbalanced) at stated %THD+N
Input gain adjustment	-18 dB to +24 dB, adjustable per input (via RS-232/control software)
Aux / Mix level adjustment	-43 dB to +24 dB (adjustable only via front panel)

AUDIO OUTPUT

Number / Signal type	1 stereo or mono, balanced/unbalanced
Connectors	(1) 3.5 mm captive screw connector, 5 pole
Impedance	50 ohms unbalanced, 100 ohms balanced
Gain error	±0.1 dB channel to channel
Maximum level (Hi-Z)	>+21 dBu, balanced or unbalanced at 1% THD+N
Maximum level (600 ohm)	>+15 dBm, balanced or unbalanced at 1% THD+N

An unbalanced-wired output will result in a 6 dB attenuation.
A balanced-wired output will have unity (0 dB) gain/attenuation.

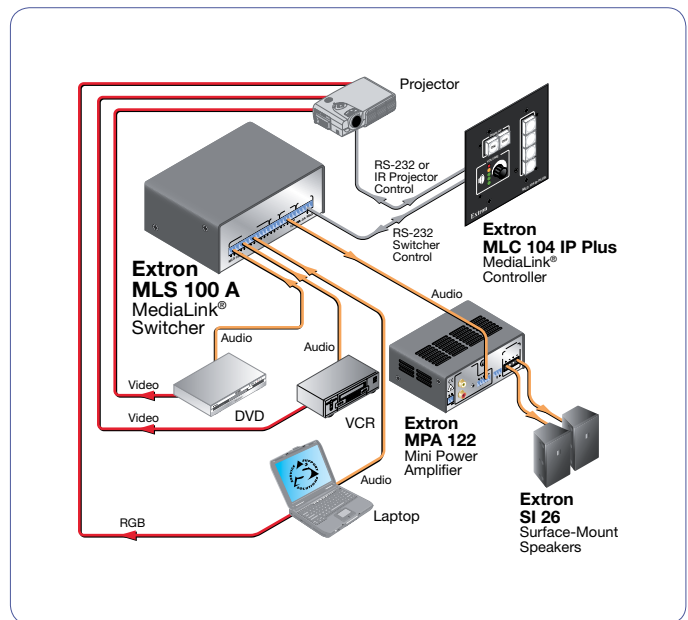
CONTROL / REMOTE – SWITCHER

Serial control port	RS-232, 3.5 mm, 5 pole captive screw connector
Baud rate and protocol	9600 baud, 8 data bits, 1 stop bit, no parity
Serial control pin configurations	A = TX, B = RX, D = GND
Program control	Extron's control/configuration program for Windows® Extron's Simple Instruction Set (SIS™)

GENERAL

Power	Supplied by an optional MediaLink Controller (MLC) or an external power supply
External power supply (included)	100 VAC to 240 VAC, 50/60 Hz, external, to 12 VDC, 1 A max., regulated
Power input requirements	12 VDC, 0.4 A
Rack mount	Yes, with optional rack shelves (See optional accessories.)
Enclosure type	Metal
Enclosure dimensions	1.7" H x 4.3" W x 3.0" D (1U high, quarter rack wide) 4.2 cm H x 11.0 cm W x 7.6 cm D (Depth excludes connectors and buttons.)
Product / Shipping weight	0.7 lbs (0.3 kg) / 3 lbs (2 kg)

Note: For complete specifications, please go to www.extron.com



MODEL

MLS 100 A	VERSION DESCRIPTION Four Input Audio	PART # 60-497-01
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OPTIONAL ACCESSORIES

MODEL DESCRIPTION	PAGE	PART #
MediaLink® Controller with IP Link®	page PB	60-818-03
22 Watt Two Channel Integrated MPA - Mini Power Amplifier	page 686	60-668-01
Captive Screw to RCA Female Audio Adapter - 6"	page 834	26-575-01
1U 3.5" Deep Basic Rack Shelf	page 857	60-604-20
Multi-Product Pole Mount Kit for Three 1/4 Rack Width Products	page 852	70-374-01