

# MLS 102 VGA

TWO INPUT VGA AND FOUR INPUT  
STEREO AUDIO SWITCHER

- ▶ Two female 15-pin HD connectors for computer-video and two 3.5 mm stereo mini jacks plus two captive screw connectors for audio
- ▶ One female 15-pin HD connector for computer-video and one captive screw connector for audio
- ▶ Additional input accepts mono line level audio signals for mixing with any of the four switchable inputs
- ▶ Audio input gain and attenuation
- ▶ Controllable via TouchLink™ Control System, MediaLink® Controller, front panel buttons, or RS-232
- ▶ Rack-mountable, 1U, quarter rack width metal enclosure
- ▶ Energy-efficient external universal power supply included



The Extron MLS 102 VGA is a compact, two-input switcher that supports VGA-QXGA video resolutions and stereo audio transmission. For ease of integration, the switcher provides a wide range of audio adjustments and control options. The MLS 102 VGA is ideal for installation in podiums, lecterns, and other space-constrained areas.



**Extron® Electronics**  
INTERFACING, SWITCHING AND CONTROL

## DESCRIPTION

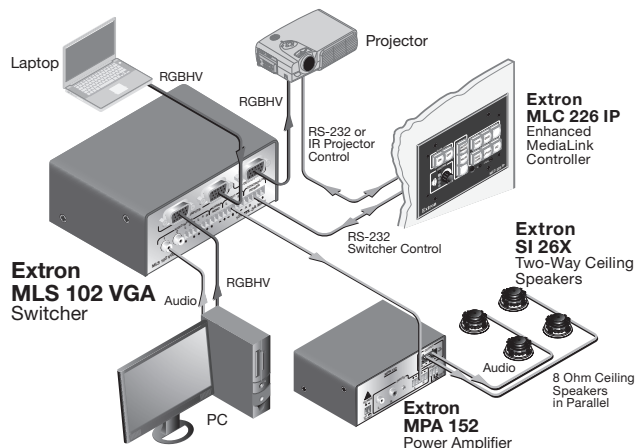
The Extron **MLS 102 VGA** Switcher is a compact, two input switcher utilizing 15-pin HD connectors. Inputs one and two utilize 3.5 mm stereo mini jacks for easy integration to Extron VGA with audio cables. Inputs three and four provide unbalanced audio on captive screw connectors. An additional input 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 TouchLink™ Control System or MediaLink® Controller, input selection and volume control are easily achieved using RS-232 or the controller's user interface. Input selection can also be controlled using the MLS 102 VGA switcher's front panel buttons.

The MLS 102 VGA 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 102 VGA can also be mounted or placed in a lectern along with a desktop PC and document camera.

## FEATURES

- ▶ Compatible with VGA-QXGA resolutions
- ▶ Additional input accepts mono line level audio signals for mixing with any of the four switchable inputs
- ▶ Audio input gain and attenuation
- ▶ Controllable via TouchLink™ Control System, MediaLink® Controller, front panel buttons, or RS-232
- ▶ Rack-mountable, 1U, quarter rack width metal enclosure
- ▶ Energy-efficient external universal power supply included

## APPLICATION DIAGRAM



## SPECIFICATIONS

<b>VIDEO</b>		
Bandwidth	250 MHz (-3 dB)	
<b>VIDEO INPUT</b>		
Number/signal type	2 VGA-UXGA RGBHV, RGBS, RGsB, RsGsBs	
Connectors	2 female 15-pin HD	
Nominal level	0.7 Vp-p for RGB	
Minimum/maximum levels	0.3 V to 2.0 Vp-p with no offset	
<b>VIDEO OUTPUT</b>		
Number/signal type	1 VGA-UXGA RGBHV, RGBS, RGsB, RsGsBs	
Connector	1 female 15-pin HD	
Nominal level	0.7 Vp-p for RGB	
Minimum/maximum levels	0.3 V to 2.0 Vp-p	
<b>SYNC</b>		
Input type	RGBHV, RGBS, RGsB, RsGsBs	
Output type	RGBHV, RGBS, RGsB, RsGsBs (follows input)	
Input level	0.5 V to 5.0 Vp-p	
Output level	0.5 V to 5.0 Vp-p, unterminated	
<b>AUDIO</b>		
Gain	Unbalanced output: -6 dB; balanced output: 0 dB (unity)	
Frequency response	20 Hz to 20 kHz, ±0.5 dB	
<b>AUDIO INPUT</b>		
Number/signal type	4 stereo/mono, unbalanced (switchable) 1 mono, balanced/unbalanced aux-mix (always active, non-switchable)	
Connectors	2 mini stereo jacks (female tip-ring-sleeve connectors) (3) 3.5 mm captive screw connectors, 3 pole	
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)	
<b>AUDIO OUTPUT</b>		
Number/signal type	1 stereo or mono, balanced/unbalanced	
Connectors	(1) 3.5 mm captive screw connector, 5 pole	
<b>CONTROL/REMOTE – SWITCHER</b>		
Serial control port	RS-232, 3.5 mm, 5 pole captive screw connector	
<b>GENERAL</b>		
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	
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 weight	0.7 lbs (0.3 kg)	
Shipping weight	3 lbs (2 kg)	
Model	Version Description	Part number
MLS 102 VGA	Two Input VGA & Audio	60-497-04

For complete specifications, please go to [www.extron.com](http://www.extron.com)  
Specifications are subject to change without notice.

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