



## MediaLinX MLA9101-CS IP-Based Media Converter/Controller



# MLA9101-CS

MediaLinX provides the gateway for audio to flow into the DigiLinX network. Newer native IP based sources can output the audio directly onto the network through the Ethernet connection. Older legacy sources that output the audio over a line level connection need a device to convert the audio to an IP stream. For each legacy source the MediaLinX encodes and prepares the audio for distribution across the DigiLinX network. In addition to encoding, MediaLinX also provides a mechanism for one-way and two-way control, gathering metadata and power management of the source. Using MediaLinX greatly simplifies the installation and reduces the amount of hardware typically required of large multi-zone systems.

- Decentralized Architecture
- Unlimited Sources
- Versatile Audio Encoder with multiple Audio Input Options
- Integrated IR Receiver for IR Learning
- Superior Source Control
- Mounting Options
- StreamNet™ Connected

■ **Decentralized Architecture** - DigiLinX uses a distributed architecture that allows the hardware and the processing power to be spread out across a TCP/IP network. This leverages many of the advantages of using TCP/IP over traditional analog systems. Traditionally, sources are located near the head end controller or use additional cabling to remotely locate the source in a conference room or hotel suite. The MediaLinX is not constrained by these limitations and can be located anywhere, only requiring a network connection. Each MediaLinX is designed to support 1 source (a 4 source version is also available for larger installations) so integrators can specify the exact number required and can easily adjust that number as the project evolves.

■ **Unlimited Sources** - Using TCP/IP as a distribution method renders limits on the number of audio sources obsolete. TCP/IP treats each source as just as another device on the network and using TCP/IP's multicast capabilities DigiLinX easily manages the network traffic. Each MediaLinX handles the audio signal encoding, output, and source control. Beyond a MediaLinX, no additional hardware is required to add a source to the system. Large installations requiring many audio sources can be easily accommodated.

■ **Versatile Audio Encoder with multiple Audio Input Options** - Each MediaLinX will accept analog (Line level or balanced) or digital audio (S/PDIF) signals. The audio is converted using a Burr Brown 24-bit/96kHz analog to digital converter. The integrator can adjust the signal output strength to insure that it is consistent with other sources on the system. StreamNet™ technology converts the audio into an uncompressed stream of TCP/IP packets and makes that audio stream available to the network.

■ **Integrated IR Receiver for IR Learning** - Everything required to support an audio source is included in the MediaLinX, including an IR receiver for IR Learning. While configuring a DigiLinX system using NetStreams DigiLinX Dealer Setup the IR commands for the source can be learned into the MediaLinX. Those commands can also be saved to a file and reused on future projects.

*The Ultimate IP A/V Experience*

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## Features

■ **Source Control** - The MediaLinX not only manages the audio encoding, but it also handles control of the source. Each device is capable of using IR, RS-232, or IP to control the source. RS-232 and IP protocols provide the MediaLinX the capacity for two-way control of the source allowing the MediaLinX to gather metadata and feedback. Many sources are already available that take advantage of RS-232 and IP, others can be created using LUA, a readily available open-source scripting language. Including the source control at the MediaLinX, means not having to install additional hardware and cabling infrastructure for source control.

■ **Mounting Options** - The MLA9101-CS can be mounted directly to a wall, mounted into a rack, or left free standing. Each MLA9101-CS is 1U high and occupies 1/2 rack width allowing two MLA9101-CS's to mount side by side (using a *Netstreams* Binding Plate or rack mount shelf). Using the include mounting tabs the MLA9101-CS can be mounted directly to a wall. It can also be left free standing.

■ **StreamNet Connected** - *NetStreams* Patent-pending *StreamNet* Technology provides the backbone for *DigiLinX*. *StreamNet* technology and ensures that audio between all zones are within 500 microseconds of each other; *StreamNet* Connected devices work seamlessly together; and can be updated in the future as new features become available.

## Specifications

Audio Input Connectors:	.....one pair Gold-plated RCA jacks (1) Coaxial Digital (S/PDIF)
Audio Output Connectors:	.....(1) Gold-plated RCA jacks (1) Coaxial Digital (S/PDIF)
RJ45 Connection	.....(for network)
RS-232	.....DB-9
Composite Video Input & Output	.....(video sensing)
3- Position Phoenix connector for balanced audio input	
IR Emitter/RS-232 Output	.....(3.5 mm)
IR Emitter	.....included
Video Sensing Probe	.....included
LEDs for Signal detection, Power Detection, and Activity Status	
Dimensions:	.....9 1/2" x 1 3/4" x 8 2/3"
(W x H x D)	.....(244 mm x 45 mm x 220 mm)
Weight:	.....3.39 lb (1.54 kg)
NetPower™	.....1
Restriction of use of certain Hazardous Substances (RoHS) compliant	



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### Excellence in Design

*NetStreams* is focused on providing high quality networked digital A/V systems. By leveraging its patent pending technologies and applications, *NetStreams* is creating the future of IP A/V - today.

**Support** - *NetStreams* offers world-class support for all products.  
Email-support@netstreams.com or toll free - 866.353.3496

