



# SpeakerLinX SL9250-CS

IP-Based Zone  
Controller/Amplifier



## SL9250-CS

The SpeakerLinX is the heart of a zone. Each SpeakerLinX provides amplification, zone control, and supports locally connected sources. When used as part of a DigiLinX multi-zone audio, video, and control system, the SpeakerLinX allows virtually unlimited number of zones, system-wide synchronization, and digitally perfect audio distribution.

- Decentralized Network
- Unlimited Zones
- Enhanced Audio Quality
- Mounting Options
- NetStreams EIM Interface
- 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. Traditional analog systems include racks of amplifiers that take up rack space and require additional cooling. The SpeakerLinX decentralized architecture allows it to be installed in the room and for the heat to be distributed across an entire site not just in the rack. Decentralizing over an Ethernet network also reduces the amount of cabling required to support a room. Instead of pulling bundles of cables a room can be supported using one Cat5 cable. While audio signals degrade over long cable runs, the decentralized nature of a SpeakerLinX is immune to this problem. TCP/IP preserves the signal quality till it is decoded by the SpeakerLinX.

### ■ Unlimited Zones

Using TCP/IP as a distribution method also renders zone limitations obsolete. TCP/IP treats each SpeakerLinX as just another device on the network and by using TCP/IP's multicast capabilities DigiLinX easily manages the network traffic. NetStreams StreamNet™ technology keeps each zone synchronized so that all rooms play within 500 microseconds of each other preventing an echo effect. Removing the limitations on the number of zones simplifies the design and installation of large systems.

### ■ Enhanced Audio Quality

Each SpeakerLinX is equipped with a Burr-Brown Digital to Analog converter, a Texas Instruments Digital Signal Processor (DSP), and a 50W Apogee Class-D amplifier that allows the integrator to individually customize each zones sound to meet the unique needs of the zone. Unlike many amplifiers, SpeakerLinX contains a customizable 4-Band EQ, 12 preset EQ curves, and digital crossovers for Bi-amp configurations with NetStreams IP Ready speakers. This provides incredible audio quality for conference rooms or hotel suites that require more than just background sound.

*The Ultimate IP A/V Experience*

# SpeakerLinX SL9250-CS

## Features

### ■ Mounting Options

The SL9250-CS can be rack mounted, wall mounted, table mounted, or left freestanding. The 1U high 1/2 rack width chassis can be mounted in a 19" rack by itself or coupled with another SL9250-CS. Each SL9250-CS also includes mounting plates that allow it to be mounted directly to a wall or ceiling. It can be left freestanding.


### ■ Supports NetStreams EIM Interface

SpeakerLinX includes an EIM Interface (Expansion Interface Module). The EIM interface allows the SpeakerLinX to interface with Audio ports, external amplifiers, and NetStreams IRLinX. Audio Ports allow line level audio input and output from a SpeakerLinX. This allows local sources and external amplifiers powered subwoofers to be directly connected to the SpeakerLinX. For situations requiring more amplification, the EIM connection allows NetStreams Professional Amplifier (AMP2200) to be directly connected to the SpeakerLinX using a CAT5 cable. By placing an IRLinX in a zone, DigiLinX can be controlled via IR commands. The IRLinX is an IR receiver that connects to DigiLinX via the EIM interface. These EIM devices can be used individually or in combination.

### ■ StreamNet Connected

NetStreams Patent-pending StreamNet Technology provides the backbone for DigiLinX. StreamNet technology 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

8 Ohms Stereo Power:	.....	.35 watts / channel RMS
4 Ohms Stereo Power:	.....	.50 watts / channel RMS
Frequency Response:	.....	20-20kHz +/- 1dB
Signal-to-Noise Ratio:	.....	.98 dB
Input Impedance:	.....	17 k Ohms
THD + N:		0.1% (20 Hz to 20 kHz@ 8 Ohms) 0.1% (20 Hz to 20 kHz@ 4 Ohms)
Input Connectors:	.....	RJ45 (EIA 568a) RJ45 (EIM) 4-pin Phoenix Connector (Power)
Output Connectors:	.....	4-pin Phoenix Connector (speakers) one pair RCA for Line Level out 3- Position Phoenix connector for balanced audio output
Dimensions:	.....	9 1/2" x 1 3/4" x 8 2/3" (W x H x D); (244mm x 45mm x 220mm)
Weight:	.....	3.57 lbs (1.62 kg)
NetPower™	.....	.24
Restriction of use of certain Hazardous Substances (RoHS) compliant		

**StreamNet™**  
CONNECTED



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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

