



SpeakerLinX SL250

IP-Based Room Controller/Amplifier



SL250

The SpeakerLinX line of DigiLinX products acts as the zone controller and the amplifier for each zone. The SL250 includes a 2 Channel, 50 watts per channel amplifier and a built-in web server that uses an Adobe® Flash interface to control the system. The SL250 also includes an EIM interface that allows it to use peripheral devices like KeyLinX, IRLinX, Audio Port and EIM enabled external amplifiers. The SL250 supports IP Ready speakers.

- Distributed Architecture
- Audio Decoder and Encoder
- Digital Signal Processor
- IP Ready Speakers
- Zone Controller
- EIM Port
- Mounting options
- StreamNet™ Connected

■ Distributed Architecture

Each SpeakerLinX contains the hardware and software required to take TCP/IP audio packets, convert them back to audio and amplify the signal for each zone. By decentralizing the amplifier, the SpeakerLinX can be placed closer to the speaker minimizing signal loss normally caused by long cable runs between the amplifier and speakers. This creates better sound from smaller amplifiers. Decentralization also allows the SpeakerLinX to function as a room controller allowing peripheral devices (Audio ports, KeyLinX, IRLinX, and the Professional Series Amplifier) to be used by the SpeakerLinX. Centralizing the amplifier, room controller and connecting local devices to the SpeakerLinX minimizes the amount of cabling required to accomplish multiple services. For larger zones multiple SpeakerLinX can be linked in software to function as a single zone.

■ Audio Decoder and Encoder

Each SpeakerLinX (SL250) includes an audio decoder and encoder, the decoder is capable of rendering a TCP/IP stream of linear PCM audio, decoding a WAV file (uncompressed audio), and decoding an MP3 file in real-time. These decoded files are then amplified. Audio sources connected to the SpeakerLinX through an Audio Port (sold separately) can be encoded for distribution across the DigiLinX network.

■ Digital Signal Processor and Amplifier

Using an Apogee Technology Class-D amplifier and a Texas Instruments digital signal processor and a BURR-BROWN DAC's a SpeakerLinX can provide superior clarity and control of the audio signal. Each SpeakerLinX is capable of supporting 2 Channels at 50 watts per channel at 4 ohms. Also built into the SpeakerLinX is a 4-band graphic equalizer and graphic EQ Presets allowing tonal control for each zone.

The Ultimate IP A/V Experience

SpeakerLinX SL250

Features

■ IP Ready Speakers

The SL250 includes support for IP Ready Bi-amp Speakers. Using DigiLinX Dealer Setup, an SL250 can be configured to support digital crossovers needed for IP Ready Speakers, replacing the passive crossovers, to achieve exceptional sound. One SL250 is required per IP Ready Speaker.

■ Zone Control

The SpeakerLinX functions as a room controller. Each device includes a built in web server that allows a user to control the DigiLinX system from any Adobe Flash® enabled browser on a computer, web tablet, UMPC, or PDA.

■ EIM Port

SpeakerLinX includes a built in EIM (Expansion Interface Module) port that allows peripheral devices like the NetStreams Audio Port, KeyLinX, IRLinX, and EIM enabled amplifiers like the NetStreams Professional Series Amplifier to be connected locally in the zone. The Audio Port allows a source that is located in the zone to be play in the zone or to be distributed through the system. KeyLinX provides a basic 10 button interface for source selections and control. IRLinX adds an IR receiver to the zone, and for zones requiring increased amplification external amplifiers, like NetStreams EIM enabled Professional series amplifier, can be connected to the SpeakerLinX.




■ Mounting Options

SpeakerLinX can be rack mounted, mounted at the speaker, or in the zones walls. Using a 2U NetStreams Rack Mount plate up to 4 SpeakerLinX can be mounted on the plate. Because of its 2-gang size, the SpeakerLinX can also be mounted in the wall. An in-wall lit is available (sold separately) that makes it easy to install and access at a later time. Ideally, the SpeakerLinX should be mounted as close to the speaker as possible to preserve audio quality. A surface mount plate (sold separately) is available that can be screwed into an enclosure or truss and the SpeakerLinX easily clicks in.

■ 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:	50watts / 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)
Dimensions:	3 5/8" x 2 7/8" x 1 3/4"
(W x H x D):	(91mm x 72mm x 44mm)
Weight:	0.5 lbs (0.23 kg)
NetPower™	24
CE Certified	
C-Tick Certified	
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

