

# POWERLINX™

## PL750 & PL600

# POWERLINX



## Rack Mount Intelligent Power Supplies

- PL600: 21A/28VDC Intelligent Power Supply  
Distributes total 21A (Up to 4.5A/output)
- PL750: 27A/28VDC Intelligent Power Supply  
Distributes total 28A (Up to 7A/output)
- Required for *DigiLinX* system installation
- 8 individually protected and monitored DC power outputs
- Advanced Thermal Protection
- Tightly-Regulated
- Power Factor Correction (PL750 only)
- Removable Quick Connectors
- Flexible installation options

### **PowerLinX™ PL750 / PL600**

*PowerLinX™* is a line of intelligent power supplies designed to distribute power to multiple *DigiLinX* products. These tightly-regulated power supplies are essential for a *DigiLinX* system. Additional *PowerLinX* power supplies may be required as the *DigiLinX* system is scaled in size.

Choose between the PL750 (required for installations including one or more *SpeakerLinX* SL250) or the PL600 (for installations incorporating the *SpeakerLinX* SL220). Both *PowerLinX* models are very efficient power supplies and feature 8 discrete output channels of power for multiple *DigiLinX* devices, via a 4-terminal, removable Quick Connector on the back, for each channel. Advanced thermal protection intelligently protects from current overdraw, and dual-color status LEDs easily provide status information for easy monitoring of each output of power. Additionally, the PL750 is a constant current supply so it can handle higher peak currents, driving more average power without causing the supply to go into protection.

Due to its versatile design, installation options are abundant – *PowerLinX* can be placed in a closet, behind equipment, or rack-mounted. An optional *PowerLinX* Rack Shelf (sold separately) allows up to three (3) *PowerLinX* modules\* to be rack mounted side-by-side, providing power to up to 18 rooms of *DigiLinX* products.

*PowerLinX* PL600 and PL750 rack-mount power supplies are available in 120 and 240 VAC versions. Also available is the *PowerLinX* PL228, a separate plug-in local power supply, which is designed to power *TouchLinX* and/or a *SpeakerLinX* SL220 in a local room, and the *PowerLinX* PL750, designed to power *TouchLinX* and/or a *SpeakerLinX* SL250 in a local room.



The IP-Based Distributed Entertainment Company.

# Rack Mount Intelligent Power Supplies



SwitchLinX™ is a family of IGMP (Internet Group Message Protocol) enabled, multicasting, non-blocking 10/100 mbps Fast Ethernet switches. (sold separately)



Integrate your legacy audio sources with the NetStreams DigiLinX system using NetStreams MediaLinX™. (sold separately)

Intuitive and easy control of the DigiLinX™ system with NetStreams TouchLinX™ in-wall LCD touch screen controller. (sold separately)



ControlLinX™ allows you to easily integrate and control supported brands of lighting, automated heating and cooling, and other subsystems. (sold separately)



## Intelligent Power Supplies

### PowerLinX™ PL750 / PL600 Specifications

#### PL750:

Total NetPower Supported: .....168  
27A / 28VDC Intelligent Power Supply (7A max from any one output connector)  
8.5A / 115VAC Input .....(constant power supply)

#### PL600:

Total NetPower Supported: .....84  
21A / 28VDC Intelligent Power Supply (4.5A max from any one output connector)  
12A / 115VAC Input .....(30A in rush current)

8 discrete output channels of power at: ..... 21~28VDC  
Overload Protection: .....105%~125% of rated output  
Per output connector: .....5A  
LEDs .....Tri-color Status  
Removable Quick Connectors .....8 x 5.5 mm  
IEC power cord .....1  
UL-Certified, CE, FCC Certified  
Optional Rack Shelf for rack mounting ..... up to 3 (sold separately)  
Dimensions: .....5 4/5" x 3-1/2" x 14-1/3"  
(WxHxD) .....(145mm x 88mm x 358mm)  
Weight: .....9 lbs (4.1 kgs)

The PowerLinX PL600 and PL750 power supplies also feature tri-color LEDs for each channel of power on the front panel for easy status view. LEDs illuminate green when the power channel is active, amber if there is potential for current overdraw on the power channel, and red when the current on the channel is overextended. This enables easy trouble-shooting for the installer.

### Example of Maximum Power Usage

One PL750 has a maximum NetPower output of 168.

(6)	<u>SpeakerLinX SL250</u>	<u>NetPower:</u>	(24 NP x 6) =	<u>144</u>	
(6)	<u>TouchLinX TL380</u>	<u>NetPower:</u>	( 1 NP x 6) =	<u> 6</u>	
(4)	<u>MediaLinX MLA101</u>	<u>NetPower:</u>	( 1 NP x 4) =	<u> 4</u>	
				<b>Total NetPower:</b>	<b><u>154</u></b>

So as you can see in the example above, one PowerLinX PL750 power supply can supply enough power for up to six rooms of SpeakerLinX SL250 amplifiers and TouchLinX touch screens. To increase the number of rooms, simply add another PL750 to your DigiLinX system.

NetStreams is a registered trademark of NetStreams LLC. DigiLinX, SpeakerLinX, PowerLinX, SwitchLinX, MediaLinX, KeyLinX, ControlLinX and TouchLinX are registered trademarks of NetStreams LLC.

NetStreams® DigiLinX™ family of IP-Based products offers very high quality and high performance audio distribution and control with capabilities never seen before and a rich user experience only available in high cost systems today. This innovative product line is the first IP-Based Multi-Room Audio and Control System in the custom market; 'IP-Based' meaning a system that is not only controlled over IP, but also distributes its audio and video over packet-switched streams. DigiLinX delivers on the promise of convergence; effectively marrying networking technologies with hi-fidelity audio, and later video, marking the introduction of 'Networked Digital Entertainment'.

### Excellence in Design

NetStreams is focused on providing high quality networked digital entertainment systems. By leveraging its patent pending technologies and applications, NetStreams is creating the future of home entertainment - today.