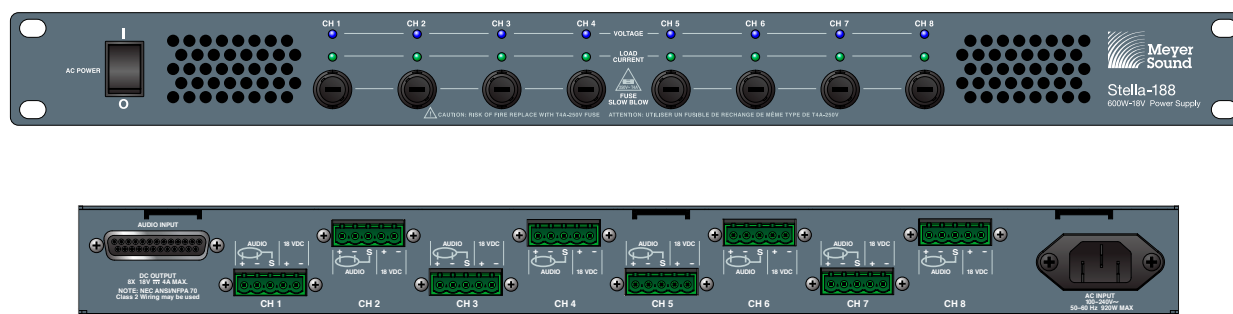




# Stella™-188 : Power Supply



The Stella-188 external power supply is required when using Stella-4, Stella-4C, and Stella-8C installation loudspeakers. The self-powered Stella loudspeakers are designed primarily for use in Meyer Sound's Constellation electroacoustic architecture.

The Stella-188 can power up to 16 Stella-4 or Stella-4C loudspeakers, or up to eight Stella-8C loudspeakers. The single-space 19-inch rack power supply receives eight channels of balanced audio from its 25-pin D-sub connector and routes the audio, along with 18 V of DC power, to its five-pin Phoenix output connectors for greater wiring convenience. Each of the eight

channel outputs can deliver DC power to a single Stella-4 or Stella-4C loudspeaker at cable lengths of up to 300 feet with just 1 dB of loss in peak SPL, using 18 AWG wire, or to up to two Stella-4 or Stella-4C loudspeakers with limited cable runs of 150 feet. Cable runs to Stella-8C loudspeakers with lengths of up to 150 feet are possible (also with 18 AWG).

The Stella-188 front panel has two LEDs per output channel that provide useful feedback on the status of the system. The voltage LEDs indicate when voltage is present for each output channel. The load current LEDs indicate when a loudspeaker is connected

to an output channel and these LEDs grow brighter as the signal level increases.

The use of composite multiconductor cables (such as Belden® 1502R) allows a single cable to carry both audio and DC power from the Stella-188 to the loudspeakers. Amplifier and signal processing circuits for Stella loudspeakers are designed to tolerate voltage drops of up to 30 percent, thereby accommodating light-gauge cables and long cable runs. Internal energy storage circuits for the loudspeakers minimize the system's peak-to-average current demands, ensuring efficient use of the Stella-188's 18 V DC output.

## PRELIMINARY SPECIFICATIONS

Audio Input	8-channel 25-pin D-sub connector (Tascam® Multitrack format)																		
Outputs	8 channels of 5-pin Phoenix connectors (3 pins for balanced audio hardwired to the D-sub input connector, 2 pins for DC power)																		
Output Voltage	8 outputs of 18 V DC (fuse protected)																		
Loudspeakers Supported	<table><tr><th>Model</th><th>Number of Loudspeakers</th><th>Max. Cable Length (18 AWG)</th></tr><tr><td>Stella-4/Stella-4C</td><td>8 (1 per channel)</td><td>300 ft (91 m) per channel</td></tr><tr><td>Stella-4/Stella-4C</td><td>16 (2 per channel)</td><td>150 ft (45 m) per channel</td></tr><tr><td>Stella-8C</td><td>8 (1 per channel)</td><td>150 ft (45 m) per channel</td></tr></table>			Model	Number of Loudspeakers	Max. Cable Length (18 AWG)	Stella-4/Stella-4C	8 (1 per channel)	300 ft (91 m) per channel	Stella-4/Stella-4C	16 (2 per channel)	150 ft (45 m) per channel	Stella-8C	8 (1 per channel)	150 ft (45 m) per channel				
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Front Panel	On-off switch 8 LEDs to indicate output voltage 8 LEDs to indicate current																		
AC Connector	Detachable IEC 320 (line, neutral/line, earth)																		
Current Draw: Burst Current (<1 sec)	<table><tr><th>Number of Loudspeakers</th><th>115 V AC</th><th>230 V AC</th><th>100 V AC</th></tr><tr><td>8 Stella-4s/Stella-4Cs (1 per channel)</td><td>2.4 A rms</td><td>1.4 A rms</td><td>2.8 A rms</td></tr><tr><td>16 Stella-4s/Stella-4Cs (2 per channel)</td><td>5.2 A rms</td><td>3.0 A rms</td><td>6.7 A rms</td></tr><tr><td>8 Stella-8Cs (1 per channel)</td><td>5.2 A rms</td><td>3.0 A rms</td><td>6.7 A rms</td></tr></table>			Number of Loudspeakers	115 V AC	230 V AC	100 V AC	8 Stella-4s/Stella-4Cs (1 per channel)	2.4 A rms	1.4 A rms	2.8 A rms	16 Stella-4s/Stella-4Cs (2 per channel)	5.2 A rms	3.0 A rms	6.7 A rms	8 Stella-8Cs (1 per channel)	5.2 A rms	3.0 A rms	6.7 A rms
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Dimensions	1RU high 19.00" w x 1.73" h x 13.57" d (482.60 mm x 43.94 mm x 344.78 mm)																		
Weight	13.0 lbs (5.9 kg)																		

Made by Meyer Sound Laboratories  
Berkeley, California, USA  
European Office:  
Meyer Sound Lab. GmbH  
Karl-Liebknecht-Strasse 13  
50751 Pösch, Germany



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MEYER SOUND LABORATORIES INC.  
2832 San Pablo Avenue  
Berkeley, CA 94702

T: +1 510 486.1166  
F: +1 510 486.8356

techsupport@meyersound.com  
www.meyersound.com