

ALC-3316 Loudspeaker Controller

KEY FEATURES

- **8-Fully-Balanced** Analog Audio Inputs (all channels)
- **9 Amplifier Channels** in 1U Chassis: 3 x 300W + 6 x 100W (bridgeable)
- **Configurable** to 4 x 300W + 4 x 100W; 5 x 300W + 2 x 100W; 6 x 300W
- **Installer Programmable 96kHz/32-bit DSP:**
 - 160 Parametric EQ Filters (20 per channel)
 - Compensation Filters for Perforated Screen, Room Boundary Effects, etc.
 - Level and 70msec Delay per channel
 - 8 x 8 Matrix Bass Management (Bass Steering)
 - Loudspeaker Processing for all PRO and THEORY Models
 - Input Trim
 - Matrix Signal Routing
 - Clip Limiter
 - Internal Full and Band-Limited Pink Noise, Sine Signals
- **Universal AC and 12V / Contact Closure Trigger**



DESCRIPTION

The ALC-3316 Amplified Loudspeaker Controller embodies the latest PRO Power and Advanced DSP technology in a compact 1U chassis. Developed to provide a low-cost option for smaller cinema systems or residential/commercial distributed audio applications, the ALC-3316 is configurable to provide up to **one-thousand-eight-hundred watts** of total power, yet weighs just **12 pounds**.

In its stock configuration, the 3316 provides **9** channels of power amplification and on-board DSP: 3 x 300W + 6 x 100W — an ideal combination for 7.2 or 5.2.2 Atmos surround systems where the 300W channels can power dual subwoofers and the 100W channels can power the front and surround channels, including bi-amplification of the critical center-channel speaker. For added flexibility, each of the 100W channel-pairs can be bridged together to create a single 300W channel. Iterations up to 6 x 300W can be dealer-configured using CONFIGURATOR™ Amplifier Configuration and System Optimization software.

Like the PRO PMA series of amplifier/processors, the ALC-3316 includes fully balanced analog audio inputs and offers advanced installer-programmable DSP features which make even the most advanced audio systems easy to deploy and optimize. Speaker programming, matrix bass-management, room acoustic compensation filters, high and low pass filters, parametric EQ, gain and delay adjustments are available via PRO's easy-to-use, CONFIGURATOR™ software package.

SPECS

APPLICATION:	Amplification of PRO loudspeakers & subwoofers in surround sound & distributed audio applications
POWER OUTPUT: (per channel, configurable)	3 x 300W + 6 x 100W 4 x 300W + 4 x 100W 5 x 300W + 2 x 100W 6 x 300W
1/8 POWER (all ch bridged):	281W (959 Btu/Hr.)
IDLE POWER:	36W (123 Btu/Hr.)
STANDBY POWER:	11W (37.5 Btu/Hr.)
CONTROLS:	Power, 12VDC trigger/standby, software signal routing, filters, loudspeaker programming
FRONT DISPLAY:	Channel number, signal routing, installed loudspeaker program
REAR LED INDICATORS:	Power, DSP activity, bridged status, standby/protect modes
DIMENSIONS:	1.75"H (1RU) x 19.0"W x 15.6"D
WEIGHT:	12 lbs.