frontrow™ by Boxlight®

BOXLIGHT

Campus-Wide Amplifier



Campus-Wide Amplifier (70V/100V)

The Campus-Wide Amplifier 70-volt, (Biamp ALC-404D), is a 4 channel, 400 watt per channel, 70-volt amplifier. Used to supply constant voltage to the schools' common areas, e.g. hallways, cafeterias, exterior, etc. The Campus-Wide Amplifier is the perfect complement to the FrontRow Conductor System.

Key Features

- 4 channels x 400 Watts per channel
- Drive low impedance, 70V or 100V loudspeakers on any channel
- Easily configured system control for small-to-medium venues
- IEC 60849 compliant monitoring and reporting via software

Specifications

Dimensions (hxwxd)	44 x 442 x 373mm / 1.75 x 17.4 x 14.7in
Weight	7.8kg /17.3lbs
Power Supply	Universal regulated switch mode with PFC, SRM
Nominal Voltage (±10%)	100-240 V @ 50-60Hz
Operating Voltage	60-264 V (with reduced power below 90 V)
Ambient Operating Temp	0° - 45° C; 32° - 113° F
Ambient Relative Humidity	0-95% (non-condensing)
AC Main Connector	IEC C20 inlet (20 A max) Region-specific power cord provided
Signal-to-noise Ratio	>110 dB(A)
Frequency Response	120 Hz - 20 kHz ±0.5 dB, 1 W @ 8Ω
Crosstalk (1kHz)	-70 dB
Input Impedance	20 kΩ balanced
THD+N (from 0.1W to Full Power)	< 0.1% (typical < 0.05%)
IMD (from 0.1W to Full Power)	< 0.05%
Slew Rate	> 50 V/ µs @ 8Ω, input filter bypassed
Damping Factor	> 500 @ 8Ω, 20 Hz - 100 HZ

AD Converters	24-bit Tandem™ @ 48 kHz 125 dB(A) Dynamic Range - 0.005 % THD+N
DA Converters	24-bit Tandem™ @ 48 kHz 117 dB(A) Dynamic Range - 0.003 % THD+N
Sample Rate Converter	24-bit @ 44.1 kHz to 192 kHz 140 dB(A) Dynamic Range - 0.001 % THD+N
Internal Precision	32-bit floating point
Latency	2.5 ms fixed latency architecture
Memory/Presets	128 MB (RAM) plus 512 MB flash for presets
Delay	2 s (input) + 100 ms (output) for signal alignment
Equalizer	Raised-cosine, custom FIR, parametric IIR: peaking, hi/lo-shelving, all-pass, band-pass, band-stop, hi/lo-pass
Crossover	Linear phase (FIR), Butterworth,Linkwitz-Riley, Bessel: 6 dB/oct to 48 dB/oct (IIR)
Limiters	TruePower™, RMS voltage, RMS current, Peak limiter
Damping Control	Active DampingControl™ and LiveImpedance™ measurement

Learn more at **boxlight.com**

© 2025 Boxlight © 2025 FrontRow Calypso LLC, FrontRow FrontRow products are trademarks or registered trademarks of FrontRow Calypso LLC in the U.S. and other countries. All other brand or product names are trademarks or registered trademarks of their respective owners.

1520-00035/RevC 0725