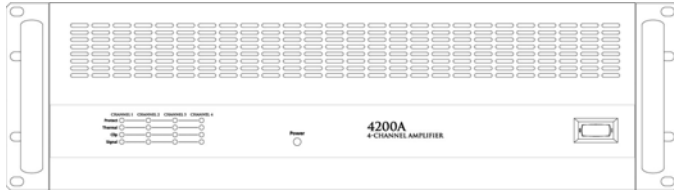




ALTEC LANSING.

4200A

4-Channel Power Amplifier



FEATURES – THE ALTEC LANSING DIFFERENCE

- 275W per Channel @ 8 ohms
- 400W per Channel @ 4 ohms
- 800W with Two Channels Bridged @ 8 ohms
- Switchable HP Filter on Each Input
- Euroblock Input Connectors
- Output Terminal Block

GENERAL PRODUCT DESCRIPTION

Altec Lansing's 4200A 4-channel power amplifier is a professional, high quality solution for your permanent install needs. The 4200A features four highly efficient, independent high-speed switched MosFet power amplifiers in one compact package.

Each input has a Euroblock connector located on the back panel. Detented attenuators on the back panel offer added security as well as repeatable settings. System integrators and consultants will appreciate the Euroblock input connectors. Euroblock connectors allow bare wire to be easily connected to the amplifier without expensive connectors and soldering. All channel inputs are electronically balanced. For low frequency protection, each pair of inputs has a selectable 12dB/octave high-pass filter at 50Hz. Mono/Stereo and Dual/Bridge select switches are safely out of sight on the back panel.

Individual channel LED's are on the front panel for Protect, Thermal Overload, Clip, and Signal Presence. The AC power switch is also on the front panel.

Each channel can deliver 275W into 8 ohms, 400W into 4 ohms, and channels 1-2 or 3-4 can be bridged into 8 ohms to deliver 800W. The 4200A outputs are stable into complex loads, including pure capacitors and inductors, and can easily drive loads involving 25, 50, 70.7 and 100V transformers.

Cooling is of paramount importance to a professional power amplifier. The 4200A has a temperature sensitive 3-speed fan that draws air from the front and exits out the back. An internal 120VAC power supply is fused at 12A and can be selected for 220VAC. Use an 10A fuse for 220VAC operation.

Altec Lansing's 4200A multi-channel power amplifier delivers four channels of 400W stable audio power. The 4200A can satisfy your most demanding applications. It can drive 70V transformers, floor monitors, and mains speakers all at the same time.

GENERAL SPECIFICATIONS

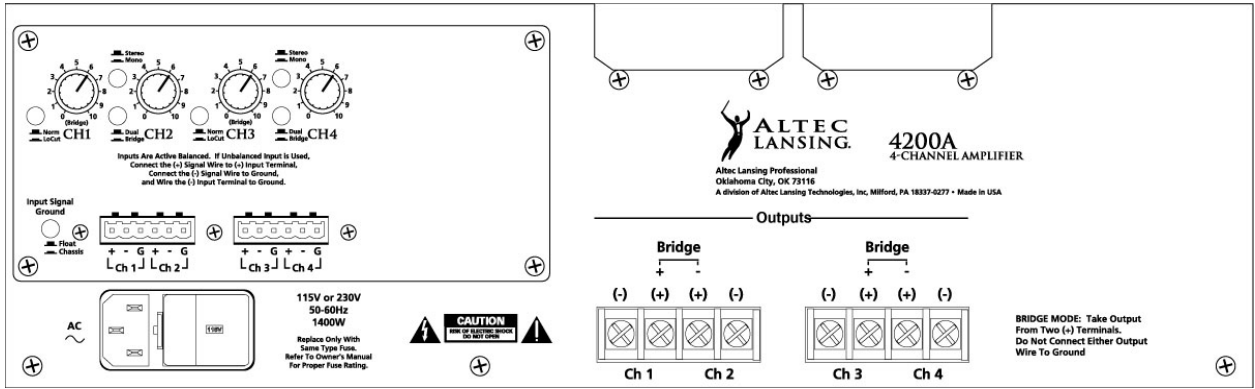
POWER OUTPUT: * (maximum average power, 0.1% THD, 1kHz) Rated Per Channel, All Channels Driven 4 ohm: 400 Watts RMS¥ / 8 ohm: 275 Watts RMS Mono Bridged (2 channels) 8 ohm: 800 Watts RMS
INPUT IMPEDANCE: 10k ohm balanced, 37k ohm unbalanced
HIGH PASS FILTER: 50Hz, 12dB/octave
TOTAL HARMONIC DISTORTION: ** <0.2% @ 8 ohms . . . 20 Hz – 20kHz
IMD (throughout power range) SMPTE 60Hz/7kHz 4:1 ** . . . <0.1% @ 8 ohms IHF @ 8 ohms . . . 0.1% @ 8 ohms
HUM & NOISE: ** -100dB from full output (A-weighted)
FULL POWER INPUT SENSITIVITY: 1.47V RMS (+5.56dBu)
FREQUENCY RESPONSE 8 ohm . . . ±0.5dB 20Hz – 20kHz 4 ohm . . . ±1.5dB 20Hz – 20kHz Voltage Gain . . . 32X (30.1dB)
CROSSTALK: <-80dB . . . 20Hz – 1kHz
SIGNAL PRESENT SENSITIVITY: 13mV RMS (-35.5dBu)
POWER REQUIREMENT: switch selected 50/60Hz @ 110 – 125VAC or 220 – 250VAC, Typical Idle Current . . . 0.9A @ 120VAC (0.5A @ 220VAC) Current with Typical Audio Program Material . . . 7.0A @ 120VAC (3.5A @ 220VAC) (4 ohm load x 4 channels)
CONNECTIONS Inputs . . . Euroblock / Outputs . . . Terminal Strip
DIMENSIONS 19"W x 5.25"H x 16.5"D (48.3cm x 13.3cm x 41.9cm)
WEIGHT 45lbs (20.4kg) . . . net weight

* Continuous power limited by power line capacity

** Non-conventional amplifiers measured for THD and noise with limited bandwidth

¥ Signal peaks in audio programming may trigger protection circuitry at low line voltages.

Specifications are subject to change or improvement without notice



Rear Panel View

ARCHITECT’S AND ENGINEER’S SPECIFICATIONS

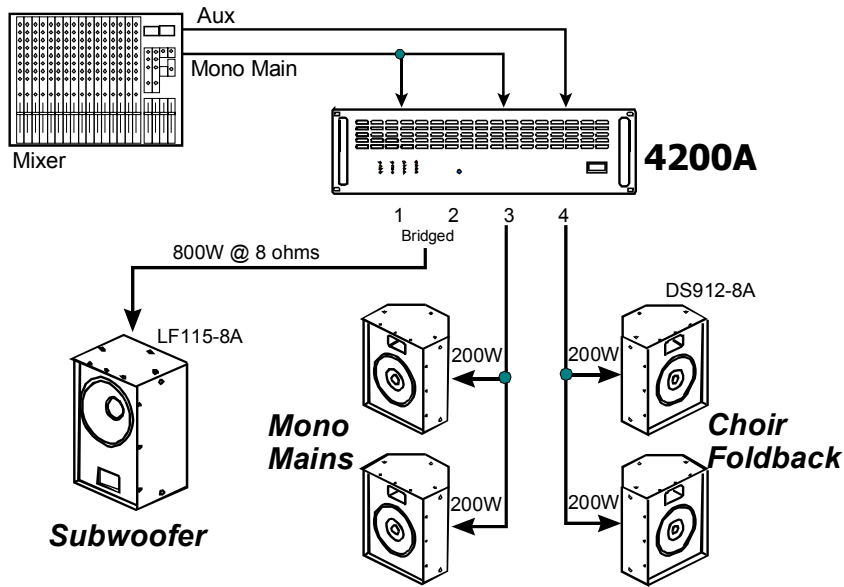
The power amplifier shall be a multi-channel unit with four independent channels. Each amplifier channel shall be able to deliver 275 watts into 8 ohms or 400 watts into 4 ohms. In addition, channel 1+2 or channel 3+4 shall bridge into 8 ohms to deliver 800 watts.

Each amplifier channel shall have a gain of 30dB, an input sensitivity of 1.25VAC RMS at full-rated output and be stable into any load, including pure capacitors and inductors. The power amplifier shall have four detented attenuators, one for each channel. Each pair of channels shall have a switched high-pass 50Hz filter, stereo or mono mode, and dual or bridged mode.

The inputs shall be active balanced with an input impedance 10k ohm from a single Euroblock connector. All four amplifier outputs shall be accessed by terminal strip connection. Each amplifier channel shall have front panel LED indicators for protect, thermal overload, clip, and signal presence. A temperature sensitive 3-speed cooling fan shall draw air through the front panel and exit the back.

The power amplifier shall be no higher than three rack spaces and must be fully covered with a five year warranty. The dimensions shall be 19 inches (48.3cm) wide by 5.25 inches (13.3cm) high by 16.5 inches (41.9cm) deep. The power amplifier shall weigh 45 pounds (20.4 kg). The power amplifier shall be the Altec Lansing Professional model 4200A.

Church with choir foldback



As we are continually striving to improve Altec Lansing products, specifications are subject to change without notice.

VISIT WWW.ALTECPRO.COM FOR

- Specification sheets in .pdf format. Download page 1 of the specification sheet for your submittals.
- One paragraph A&E Specifications in .doc format

