



AX2150S - AX2300i - AX2500i

Professional Power Amplifier



AX2150S - 2 x 150 W

AX2300i - 2 x 300 W

AX2500i - 2 x 500 W

Power from 2 x 150 W to 2 x 500 W at 4 ohms

These three axxent amplifier models are optimized for fixed installations with low impedance distribution at an excellent price performance ratio. The electronically controlled fans ensure quiet operation at constant low temperature during operation. Electronic fuses with indicators protect loudspeakers and amplifier at instances such as overheat or short circuits. The current operating status like on/off, signal present or signal peaks are indicated separately for each channel. Also the onset of a protection circuitry is indicated with colour LEDs.

The inputs are equipped with balanced 3pin XLRs with parallel link bus connectors while the outputs use touch proof binding posts. The model AX2150S may also be operated in bridge mode with a resulting power of 300 watts at a load impedance of 8 ohms. The models AX2300i and AX2500i are using a 9 position DIP-switch to set a variety of functions, such as limiter, high pass filter, parallel or stereo operation. The power cord is detachable. For safety reasons in fixed installations the potentiometer knobs on the front of the unit are detachable and may be replaced with the included blind covers.

The most important features

- 3 models with output power from 2 x 150 W_{rms} to 2 x 500 W_{rms}
- Inputs with balanced 3pin XLR connectors
- Parallel 3pin XLR connectors for loop-thru
- Mono bridge mode on model AX2150S and switchable Subsonic-Filter (35 Hz)
- 9pin DIP switch on models AX2300i and AX2500i for high pass filter 40/80 Hz, parallel- or stereo operation and limiter on/off per channel
- Switch mode power supply on model AX2150S, toroid transformer power supply on AX2300i/AX2500i
- Electronically controlled fans for quiet operation
- Detachable potentiometer knobs and power on/off switch on the rear for safety in fixed installations
- Dimensions: 483 mm x 88 mm x 387 mm (wxhxd); AX2150S depth only 278 mm otherwise identical
- Weight: AX2150S 5.6 kg, AX2300i 12 kg, AX2500i 19 kg
- Rugged steel case, powder coated
- European quality product



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AX2150S

AX2300i
AX2500i

Technical specifications

| output power (rms) | AX2150S | AX2300i | AX2500i |
|--------------------|-----------|---------|---------|
| 4 Ω, 1 kHz, 1% THD | 150 W | 300 W | 500 W |
| 8 Ω | 90 W | 180 W | 300 W |
| 16 Ω | 55 W | 110 W | 180 W |
| mono bridge | 300 W/8 Ω | - | - |

input sensitivity
1 V

input impedance
20 kΩ, balanced

THD (1 kHz/-3 dB)
AX2150S <0.05%, all other models <0.02%

frequency response (+0/-3 dB)
20-55 000 Hz; (no highpass filter active)

cooling
automatically controlled quiet fan

inputs
3pin XLR connectors with Link-Out

outputs
touchproof binding posts

elektronic protection circuits
differently coloured LEDs per channel for overheat, overcurrent, signal overload and output current limiting

LED indicators
for on/off, signal present, onset of protection circuitries and clipping

| power consumption | AX2150S | AX2300i | AX2500i |
|-------------------|---------|---------|---------|
| max. load | 600 W | 1130 W | 1640 W |
| 1/3 load | 380 W | 680 W | 950 W |
| 1/8 load | 240 W | 430 W | 610 W |

operating voltage
230 VAC, 50 Hz

fuses
5 x 20 mm, AX2150S 4 A slow blow, AX2300i 6.3 A slow blow, AX2500i 10 A slow blow

dimensions
483 (19" rack) x 88 x 387 mm (w x h x d)
AX2150S: 278 mm depth, otherwise identical

net weight
AX2150S: 5.6 kg; AX2300i: 12 kg; AX2500i: 19 kg



architects' specifications

2channel audio amplifier for low impedance distribution; output power 2x150 W (2x300 W, 2x500 W); inputs 3pin XLR balanced; output touch proof binding posts; electronically controlled quiet fan; switchable rumble filter 35/40 Hz; electronic protection circuits for shortcut and overheat, indicators for on/off, signal present and peak level signals; detachable potentiometer knobs with protective covers against maloperation; on/off switch on rear; detachable power cord with IEC connector. 19" rack case with 2 U. Max. depth 387 mm. The amplifier should be an axxent model AX2150S (AX2300i, AX2500i).