



AX 2150: 2 x 150 W

AX 2300: 2 x 300 W

AX 2500: 2 x 500 W

AX 2800: 2 x 800 W

### The most important Features

The new Axxent AX-Series power amplifiers are optimized for low impedance applications, either fixed or mobile. The 19" rackmount case with 2 U perfectly fits into standard racks. The temperature controlled quiet fan guarantees constant operation conditions, and is automatically idling at low output power. Electronic circuits with LED indicators perfectly protect amplifier and loudspeakers in cases like thermal overload or short circuit. Operating conditions, such as power on/off, signal present, signal peaks close to clipping (separately for each channel), and the onset of protection circuits are indicated through different colour LEDs.

The inputs are equipped with balanced XLR connectors, the outputs with touch proof binding posts. The robust case and chassis are made of heavy duty steel with powder coated front panel. The amplifier models offer a cost efficient solution in installations from 150 W to 800 W per channel at 4 ohms nominal low impedance. The newly developed unique ILM™-Technology steadily monitors the output current for abnormal conditions, e.g. short circuits, thereby protecting amplifier and loudspeakers and eliminating the need for high pass filters. The power cable is detachable with plug on the rear side of the case. CE-Certificate for European wide operation.

### Data and facts

- 4 models with output power ranging from 2 x 150 w to 2 x 800 w (rms) at 4 ohms
- Unique ILM™ technology controls output current and protects amplifier and loudspeakers
- Inputs: Neutrik™ Combo (XLR/Phone jack); Outputs: Neutrik™ Speakon
- Quiet, temperature controlled fan
- Detachable knobs with blind cover and rear on/off switch for improved safety against unauthorized modifications
- Dimensions: 483 x 88 (2U) x 387 mm (w x h x d); model AX 2150: depth 278 mm
- Net weight: AX 2150: 9 kg, AX 2300: 12 kg  
AX 2500: 15 kg, AX 2800: 19 kg
- Case and chassis of heavy duty steel, powder coated
- European high quality product
- **6 years warranty**



### Technical Specifications

Output Power	AX 2150	AX 2300	AX 2500	AX 2800
(4 Ω, 1 kHz, 1% THD)	2 x 150 W	2 x 300 W	2 x 500 W	2 x 800 W

#### Input Sensitivity

1 V

#### Input Impedance

20 kΩ, balanced

#### Total Harmonic Distortion (1 kHz/-3 dB)

AX 2150: <0,05%, other models: <0,02%

#### Frequency Response (+0/-3 dB)

AX 2150: 20-55000 Hz; other models: 36-55000 Hz

#### Signal to Noise Ratio

>106 dB (20-20 000 Hz, A rated)

#### Cooling

automatic controlled variable speed fan

#### Inputs

Neutrik Combo™ (XLR/phone plug, balanced)  
with link-out (XLR-M, balanced)

#### Outputs Neutrik Speakon™ + binding posts (touch proof)

#### Electronic Protections

Thermal overload, short circuit, open circuit, current limiter and RF, stable into reactive and mismatched loads

#### LED-Indicators

for on/off signal present, activation of protection circuits, signal overload (peak and protect)

Power Consumption	AX 2150	AX 2300	AX 2500	AX 2800
Full Power	660 W	1130 W	1640 W	2280 W
1/3 Power	380 W	680 W	950 W	1150 W
1/8 Power	240 W	430 W	610 W	450 W
<b>Heat Emission</b>				
Full Power	266 kcal	383 kcal	481 kcal	731 kcal
1/3 Power	226 kcal	390 kcal	509 kcal	582 kcal
1/8 Power	169 kcal	297 kcal	409 kcal	234 kcal

Figures also available in Btu/hr

#### Power Supply

230 V AC, 50 Hz

#### Dimensions

483 (rack) x 88 (2U) x 387 mm (w x h x d) for all models  
except AX 2150: 278 mm depth

#### Net Weight

AX 2150: 9 kg, AX 2300: 12 kg, AX 2500: 15 kg, AX 2800: 19 kg



### Architect Specifications

2channel power amplifier with low impedance distribution; output power 2 x 150W (2 x 300W, 2 x 500, 2 x 800 W); inputs: Neutrik Combo, outputs: Neutrik Speakon and binding posts; automatically controlled, variable speed fan; electronic protection circuits against short circuits, thermal overload, current limiter; indicators for on/off, signal present and signal peaks, separately for each channel; independent level controls for each channel; heavy duty steel case, powder coated; detachable knobs against unauthorized changes; power on-/off switch on rear side; detachable power supply cable; 19" rack housing, 2 U, depth: 387 mm (AX 2150: 278 mm); weight 9 kg (12 kg, 15 kg, 19 kg). The amplifier should be an Axxent model AX 2150 (AX 2300, AX 2500, AX 2800).