



Professional power amplifier with 2 x 500 W at 100V constant voltage

The most important features

The Axxent T-Series power amplifiers are optimized for constant voltage distribution (100V) in fixed installations. The 19" rack mount case with 2U perfectly fits into standard racks. The temperature controlled fans guarantee constant operation condition and are automatically idling at low output power. Electronic circuits with LED indicators perfectly protect the amplifier and loudspeakers in cases like thermal overload or short circuit. Operating conditions, such as power on/off, signal present and signal peaks close to clipping (separately for each channel) are indicated with different colour LEDs. For safety reasons the potentiometer knobs for "input sensitivity" are detachable and can be replaced with the blind cover found in the packaging. The inputs are equipped with balanced XLR connectors, the outputs with touch-proof binding posts. For loop through of the input signal an additional XLR connector is provided. The power on/off switch with detachable IEC connector is located on the rear of the amplifier, facilitating the rack wiring. The robust case and chassis are made of heavy-duty steel with powder coated front panel. The amplifier offers efficient solution in installations with constant voltage distribution and constant power requirements of 2 x 500 watt.

CE-Certificate for European wide operation.

Data and facts

- Output power 2x500W at constant voltage 100V
- Compact 2 U design for easy 19" rack mounting
- Balanced XLR connectors on inputs and signal loop-through, binding posts on outputs
- Temperature controlled fans
- DIP switch for setting various configurations (40/80 Hz subsonic filter and on/off limiter for each channel, stereo/parallel mode)
- Detachable knobs with blind cover and rear on/off switch for improved safety against unauthorized modifications
- Power on/off switch with detachable IEC connector on rear of amp, facilitating rack wiring
- Dimensions: 483 (19") x 88 (2 U) x 387 mm (w x h x d)
- Net weight: 19,8 kg
- Case and chassis of heavy duty steel, powder coated
- European high quality product
- 6 years warranty



Technical Specifications

Output Power (100 V, 1 kHz, 1% THD)

2 x 500 Watt

Input Sensitivity

1 V

Input Impedance

20 kΩ, balanced

Total Harmonic Distortion (THD)

<0,07% @ 1 kHz

Frequency Response

20-20 000 Hz (+0/-3 dB)

Signal to Noise Ratio

>100 dB

Output Voltage

100 V at nominal input voltage

Cooling

automatic controlled variable fans

Input

balanced XLR (male and female)

Outputs

binding posts, touch proof

Electronic protection

thermal overload, short circuit, open circuit, stable into reactive and mismatched load

LED Indicators

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

Controls

input sensitivity on front panel with detachable knobs configuration; switches on rear panel

Configuration switches

limiter	on/off for each channel
subsonic filter	40/80 Hz for each channel
mode	stereo/parallel

Power Consumption

full power:	2160 Watt
1/3 power:	1270 Watt
1/8 power:	800 Watt

Heat emission

full power:	998 kcal
1/3 power:	808 kcal
1/8 power:	580 kcal

Power Supply

230 VAC, 50 Hz

Dimensions

483 (Standard 19" rack) x 88 (2U) x 387 mm (w x h x d)

Net Weight

19,8 kg



Architect Specifications

Two-channel power amplifier with constant voltage outputs (100V), output power 2x 500 W at rated output voltage; input XLR connectors, balanced; outputs binding posts, variable speed fans; electronic protections; indicators for on/off, signal present, signal peaks and protection; gain adjustment for each channel; changeable configuration (limiter on/of, subsonic filter, stereo/parallel); heavy-duty steel chassis and case, powder coated; detachable blind knob cover; on/off switch on rear side; detachable power supply cable with IEC plug on rear side; 19" rack housing (2U); dimensions 483 x 88 (2U) x 387 mm (W x H x D); net weight 19,8 kg. The amplifier shall be an Axxent model AX-2500T.