



Compact amplifier features 2 x 500 w of power at 100 volts constant voltage

### Important facts

The axxent two channel power amplifier AX-2500-2TS has been optimized for sound systems requiring 100 v constant voltage signal distribution. The new model complements the existing TS-range of axxent amplifiers with a 2 x 500 w high power amplifier.

Remarkable is a second audio input that serves as a priority paging input. The second signal input switches the first one off when a trigger voltage is applied. A priority input is required in many applications such as in stadia, airports, shopping centers etc.

Temperature controlled fans provide moderate temperature inside the amplifier. Operation mode led's indicate power on, signal and peak inputs.

Gain potentiometer knobs can be removed and covered with supplied protectors.

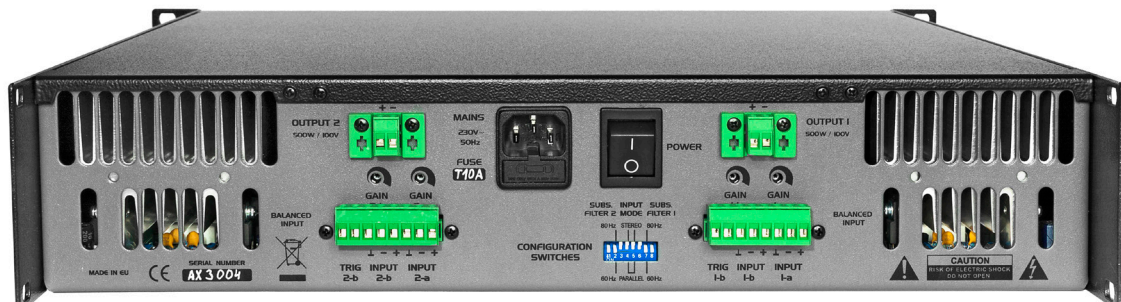
In and outputs feature touch proof Euro Plugs (phoenix connectors). A very robust rocker power switch and an IEC power socket, and a fuse protection are located on the rear of the power amplifier.

The AX-2500-2TS has a permanent limiter. A dip switch allows to switch from a 60 Hz to 80 Hz signal low cut as well as operating the amplifier in stereo or parallel mode.

All together: The axxent AX-2500-2TS is a fully featured high power amplifier for 100 volts operation. Reliability and long term operation has been the target of development and production.

### Features

- Output power 2 x 500 w at nominal a.c. voltage
- Switched power supply promotes weight reduction, efficiency and reduces heat loss
- Balanced inputs with touch proof Europlugs
- Outputs with touch proof Europlugs
- Temperature controlled fans, air flow front to rear
- DIP-switches for 60 or 80 Hz low cut (stereo or parallel)
- Gain potentiometer knobs removable, security covers included
- IEC power jack for simple rack cabling
- Gain controls allow up to +22 dBu input voltage
- High input common-mode rejection ratio
- THD less than 1 percent
- Trigger input for 24 v ac or dc
- Channel B is standard input. Priority input A switches channel B off when trigger voltage applied
- Dimensions: 483 x 88 x 388 (2RU Height)
- Weight: 15.3 kg
- Chassis made of robust steel and powder coated paint
- Made in the European Union



### Specifications

#### output power

2 x 500 w at nominal ac power.

#### nominal ac

230 v  $\pm$ 10%

#### switch mode power supply

for high efficiency and minimal heat loss

#### input sensitivity

675 mv for full output

#### input impedance

20 k $\Omega$  balanced

#### THD

less than 1% at full power

#### frequency range

70 Hz to 14 kHz, -3 dB, high cut filter 60 Hz activated

#### signal to noise ratio

95 dB, fans rotating and maximal ac power

#### noise ratio

100 dBA

#### cross talk

75 dB at 1 kHz

#### output voltage

100 v at load resistance of 38  $\Omega$

#### cooling automatic

temperature controlled, air flow front to rear

#### inputs

balanced, Europlug connectors

#### outputs

touch proof, Europlugs

#### limiters

protect against overload

#### electronic protection

against thermal overload, short, open outputs, mismatch

#### LED indicators

for ON, signal input, signal peak

#### DIP switches

for 60 or 80 Hz high cut filters, stereo or parallel input

#### power consumption

full load 2160 w,  $\frac{1}{2}$  load 1270 w,  $\frac{1}{8}$  load 800 w

#### heat loss

full load 998 kcal;  $\frac{1}{2}$  load 808 kcal;  $\frac{1}{8}$  load 580 kcal

#### controls

at front side gain potentiometers. Knobs may be removed and covered by supplied protectors

#### IEC ac power jack

power cable supplied with amplifier.

#### trigger input

for 24 vac or dc. No polarization, trigger voltage treshold 6 v

#### operation voltage

230 vac, 50 Hz,  $\pm$ 10%. Fuse 10 A slow blow, 5x20 mm

#### dimensions

483 x 88 x 388 mm (w x h x d), 2 RU

#### net weight

15.3 kg, shipping 17.7 kg



### Architects' specifications

Two channel audio amplifier for 100 v constant voltage signal distribution; output power 2 x 500 w at 100 v, additional priority inputs per channel, activated by trigger voltages 24 v dc or ac; balanced Europlug connectors, touch proof output Europlug connectors, temperature controlled air fans, air flow from front to rear; indicators for ON, signal present, signal peak; removeable gain potentiometer knobs and security covers supplied; configuration switches for 60 or 80 Hz high cut filters, stereo or parallel input modes; electronic protection against overload, short, thermic overload, open outputs, mismatch; limiters in both channels; on/off switch and IEC power connector on rear side; chassis 2 RU, 19"; dimensions 483 x 88 x 388 mm; net weight 15.3 kg. The amplifier should be an axxent model AX-2500-2TS.