



The professional audio amplifiers of the axxent TS series are optimised for use in fixed installations. The 2-channel model AX2240TS MKII complements this series with an output power of 240 W/channel and 448 W mono bridged per pair. **The switching power supply saves weight and increases efficiency and power balance.**

Each of the 2 channels offers an independent clip limiter with separate indicators on the front panel. Excellent audio quality throughout the power range is supported in the inputs by special balanced integrated circuits with high common-mode rejection.

In addition to the constant voltage outputs with 70 and 100 V taps, low-impedance outputs are also available.

Galvanic isolation by means of high-quality audio output transformers enables earth-fault monitoring and serves to protect the 100 V lines against accidental contact.

The rated output power is 240 W into 100 V and 4 ohms per channel. These flexible output configurations make the AX2240TS MKII 2-channel amplifier the ideal choice for use in fixed installations. The two amplifier channels can be operated individually or in bridge mode (1x448 W at 8 ohms) for power bundling. The only adjustment elements on the front panel are the input level controls. To protect against unintentional or unauthorised adjustment, the control knobs can be removed and replaced with the supplied blanking plugs.

Analogue balanced inputs, XLR with loop-through all outputs, low impedance and 70 V/100 V, have 5-pin Phoenix screw terminal connectors. Mains voltage input via IEC connector. The robust housing is made of reinforced, powder-coated sheet steel. CE certification for Europe-wide use.

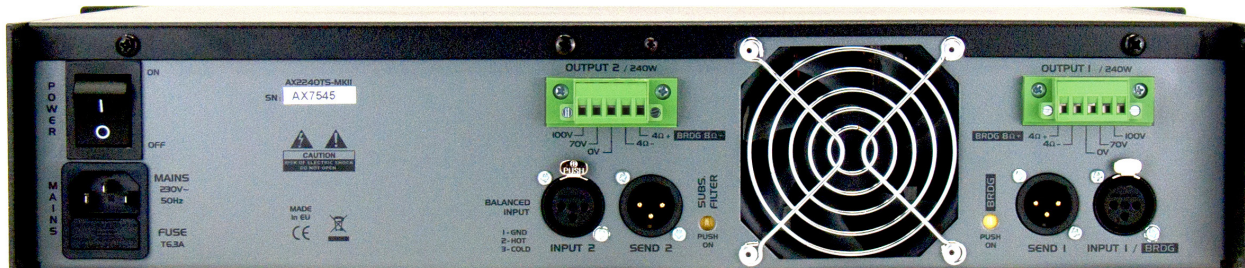
The most important features

- ✓ Output power 2x240 Wrms with all constant voltage output configurations (70/100 V) and with low impedance outputs (4 Ohm). In bridge mode 1x448 Wrms at 8 Ohm.
- ✓ Analogue balanced XLR inputs.
- ✓ Euroblock output connector for all outputs.
- ✓ High-quality audio output transformers for galvanic isolation enable earth-fault monitoring and serve to protect against contact with 100 V lines.
- ✓ Two-speed fan with automatic control.
- ✓ Removable knobs and blanking plugs and rear on-off switches for security against unauthorised change of settings.
- ✓ IEC mains socket on the rear of the unit facilitates cabling in the rack.
- ✓ Dimensions: 484 x 88 x 330 mm (WxHxD)
- ✓ Net weight: 10.5 kg without enclosed mains cable
- ✓ Scope of delivery: amplifier, mains cable, blanking plugs
- ✓ European quality product



AX2240TS MKII

Professional 2-channel power amplifier



Technical Data Class AB output stages

Output power 100V (equal for 8 Ohm) Power 1 kHz
THD 1%

single-channel operated 232 W per channel
two channels operated 224 W per channel
Bridge mode (min.16 Ohm) 448 W bridged

Frequency response +0/-2dB
20 Hz 20 kHz

Subsonic filter
70Hz/18dB oct

Distortion factor at -1 dB below nominal output power
<0,2%

Intermodulation distortion 60Hz and 7kHz at 4:1, -1dB
below nominal output power
<0,4%

Input sensitivity analogue input at nominal power
0dBu (775 mV)

Voltage Gain, 100V
141x(43dB)

Voltage Gain, 40Ohm
3x(32,7dB)

Input impedance
10 kOhm unbalanced
20 kOhm balanced

Common mode rejection (1kHz)
>80dB

Signal-to-noise ratio
>90dB

Signal to noise ratio, „A“ weighted
>100dB

Crosstalk
>80dB

Input connector, analogue
3-pin XLR female, balanced and male, parallel

Output connector
5-pole Phoenix terminal connector
4 Ohm, 70 V and 100 V constant voltage

Cooling
2 speed fan

Protective measures
Overload, short circuit, thermal

Mains voltage
230V AC / 50 Hz

Dimensions
483x88x330 mm (WxHxD)

Weight
10.5 kg without packaging and power connection
cable (enclosed)



Performance characteristics (measured with 4-channel operation)

Duty cycle	Power draw	Current draw	Volt-Ampere	Power factor
IDLE	28W	0.3A	67	0.43
1/8	338W	2.34A	532	0.63
1/3	524W	3.4A	790	0.66
1/1	837W	5.2A	1211	0.69

Tender text

Two-channel audio power amplifier with constant voltage outputs (70/100 V) and additional low-impedance outputs; rated output power 2x240 W (RMS) into 70/100 volt and 4 ohms, bridged 448 W into 8 ohms; energy-saving switch-mode power supply, inputs 3-pole XLR connector analogue and RJ45 connector for Dante digital input signal. Outputs: 5-pin Euroblock (Phoenix) screw terminal connections. Two-speed fan, automatically controlled. LED indicators for operation, signal, limit and bridge operation as well as protection function. Adjusters at the front for gain (volume), which can be covered to prevent accidental misuse. Blanking plugs included in delivery. Mains switch on rear of unit; detachable mains cable, IEC plug. Dimensions 483x88 (2U) x 330 mm (WxHxD). Net weight 10.5 kg. The amplifier shall be an axxent model AX2240TS MKII.