



APart

EIGHTPACK

POWER AMPLIFIER & POWER TRANSFORMER



The EIGHTPACK is a compact but versatile combination of the PA8250, an 8-channel power amplifier, and the PT8120: an 8-channel power transformer. This combination offers a maximum of flexibility to build a custom-designed system with 100V and low impedance zones. The installer can monitor each zone from the central rack location.

PA8250

This versatile 19" - 8 channel amplifier is compact but yet powerful and provides 8 x 250 W of program power in 4 Ohm use. For higher power requirements, the amp can be bridged per 2 channels with 4 x500 W in 8 Ohm bridged mode as a result.

It has very good cooling thanks to 2 high efficiency fans with 3-step control that kick in once the temperature exceeds 50°C.

Thanks to its input signal linking it is possible to get one single signal through all the output channels. The high pass filters takes care of unwanted rumble or low frequency sounds.

Inputs can be connected through RCA-cinch or Euroblock. The 8 speaker terminals are Euroblock as well, so there is no need for soldering in those difficult on-site conditions.

The PA8250's 8-channel architecture makes it easy to set up volumes for all 8 zones individually. This power amp is especially suitable for multiroom- or matrix systems or places like cafés, sportsbars or pubs : venues where you prefer different music levels in different areas.



PT8120

The PT8120 is an 8-channel power transformer. It is built using 8 high grade quality toroidal audio transformers. These quality components guarantee low distortion, high bandwidth, and full galvanic isolation between the audio sources and the 100 V speaker lines.

This transformer is an ideal solution for circumstances where an installer has to design a multiple-zone infrastructure.

The PB8120 has a built-in speaker for monitoring each of the 8 channels. Zone selection is done at the touch of a fingertip through the buttons on the front panel. Thanks to the attenuator switch, it is possible to pre-adjust the monitor level of the channels. Thanks to this feature, none of the monitor channels will sound a lot louder than the other ones.

Do you want a solution where you can build multiple 100V zones, mixed with stereo zones? The EIGHTPACK offers a reliable and flexible solution!

PT8120 TECHNICAL SPECIFICATIONS

Number of channels	8
Power	120 W in 100 V per channel
Input impedance	4 or 8 ohms selectable
Output voltage	50 - 70 - 100V selectable
Frequency response	28 Hz - 20 kHz (0/-3 dB)
Total harmonic distortion	<0,2%
Monitor speaker power	2 W
Sensitivity	-6, 0 , +6 dB selectable
Protection	DC input protection, anti clip protection

Power combinations with PA8250 8 channel amplifier

120W/100V: 1 channel of PA8250 into 8 ohm transformer input, 100 V out,

240W/100V: 1 channel of PA8250 into 2 8 ohm transformers, 8 ohm inputs wired in parallel, 2 x 50V outputs in series.



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PA8250 TECHNICAL SPECIFICATIONS

Amplifier type	8 channel, bridgeable
Output power per channel from 20Hz to 20 kHz	140 W
RMS program power into 8 Ohms	250 W
RMS program power into 4 Ohms	500 W
RMS program power into 8 Ohms 2 channels bridged	minimum 4 Ohms
Load impedance individual channels	minimum 8 Ohms
Load impedance bridge mode	>250
Damping factor (ref 8 ohm)	20Hz - 20 kHz +/- 1 dB
Frequency response	0,15%
Total harmonic distortion	0,2%
Intermodulation distortion	65 dB
Crosstalk	95 dB
Signal to noise ratio	15V/ μ s
Slew rate	Balanced Euroblock, Unbalanced RCA (cinch)
Inputs	Both inputs are summed into mixing point
Input impedance balanced input	20 kOhms
Input impedance unbalanced input	10 kOhms
Input sensitivity balanced & unbalanced	0 dBV
Routing	Linkable stereo inputs, stereo to mono mix Bridge mode adjacent channels only (e.g, 1&2, 3&4,,)
Filters	75 Hz highpass filter, 12 dB/octave, switchable Ground lift switch
Limiter	AP [®] limiter circuit, non defeatable
Protection circuits	Signal limiter, overload, short-circuit, DC, overheat, softstart
Cooling	2 High efficiency fans with individual 3 speed control: Off (<50° C), Half speed (>50° C), Full speed (>70° C)
Power supply	230 VAC/50Hz
Fuse	10A slow
Power consumption	Idle: 25 VA Full program power 8 channels: 1600 VA Max peak power: 3400 VA
Dimensions Height x Width x Depth	132 x 483 x 484 mm
Weight	Net: 25,3 kg (gross shipping weight 29,8 kg)