

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,
DIMENSIONS HEIGHT X WIDTH X DEPTH	82 X 483 X 350 MM (DEPTH WITH HANDLES & CONNECTORS = 400 MM)
WEIGHT	NET: 22,0 KG (GROSS SHIPPING WEIGHT 24,0 KG)

ANY SUGGESTION?

They are well appreciated and eventually rewarded!
Send your ideas or suggestions to
suggestions@apart-audio.com

PT8120 is developed by

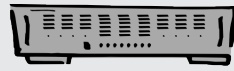
Audioprof nv
Lanteerhofstraat 90
BE-2100 Deurne
BELGIUM



MANUAL



PT8120



Features

The PT8120 is a 8 channel power transformer with built in signal monitor led indicators and monitor speaker. It is built using high grade, quality toroidal audio transformers, featuring low distortion, high bandwidth and offers full galvanic isolation between your audio sources and 100 V speaker lines. Additionally there are also 50V and 70V outputs to match your system's setup and you can use the transformer in both directions, i.e. from 100V input to 8 ohms output.

The PT8120 is therefore an ideal match for our 8 channel power amplifier PA8250. Why a 120 Watts transformer and a 140 Watts amplifier, well the answer is simple: the maximum load, i.e. the sum of 100V speakers wattage is 120 for the PT8120, meaning that you won't overload your 140 Watts amplifier.

The PT8120 has a built in local monitor speaker with volume control and presettable monitor level adjustment per channel.

Front panel



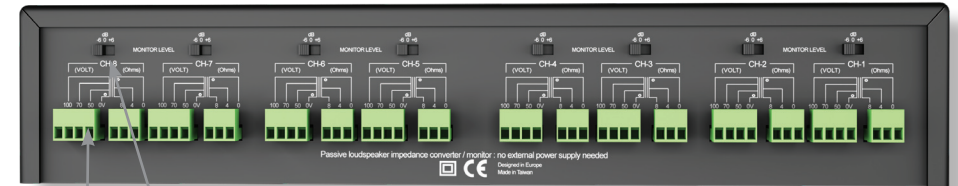
- 1
- 2
- 3

1.Channel 1 to 8 signal leds: these leds light up green when a sufficiently strong signal is present at channel 1 to 8 input terminals at the rear.

2.Volume: set the monitor level of the internal speaker with this knob. The channel being monitored is selected with channel 1 to 8 switch (3). Only one channel can be selected at once.

3.Channel 1 to 8 switch: with these 8 switches you can select the channel to be monitored. You can only monitor 1 channel at a time.

Rear panel



- 1
- 2

1. Channel 1 to 8 speaker terminals: connect a channel output of your 4 or 8 ohm amplifier (e.g. PA8250) to the terminals marked 0-4-8: output ground to 0, output + to 4 (4 ohm amp) or 8 (8 ohm amp) connector. Use only one input at a time, don't mix the 4 and 8 ohms connections on one channel. Connect your 100 V speakers to the terminals marked 0-50-70-100. Speaker line - to 0, speaker line + to 50/70/100 depending on your configuration.

Caution, only one of these channel outputs can be used, don't mix the 50/70/100 connectors on one channel!

2. Channel 1 to 8 monitor level attenuator switch: set this switch to +6, 0 or -6dB in order to pre adjust the monitor levels of the channels, e.g. if channel 1 is a "loud" channel, set the monitor attenuator of this channel to the -6dB position. This way the monitor level of less "loud" channels will be approximately the same as the loud channel. Set the switch of the most "silent" channel to the +6 position.