

integrated amplifier - PULSAR PA 1530 R

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Almost no other range of products reflects more clearly the success of T+A than the class of the large integrated amplifier. The PA 1520 R was far ahead of its time and has proved it over many successful years, and now the **PA 1530 R** is ready to re-define those same standards. The re-designed circuitry and unique silver/copper circuit board technology make this unit even more powerful and capable, both in terms of measured and perceived performance. Many components in all the signal paths and the output stage have been superseded by even more capable High End parts, producing further clear improvements in technical and sound terms. The **PA 1530 R** now represents our most highly developed and refined powerhouse. It represents the technical standards of tomorrow, and with its unbridled dynamics it sounds unashamedly good.

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Connection elements

- GND** The ground lead from an analogue disc player is connected here in order to avoid hum.
- TUNER** Input sockets for connecting high-level signal sources such as tuner.
- CD** Input sockets for connecting high-level signal sources such as CD player.
- AUX 1** General-purpose pre-amplifier inputs with an input sensitivity of 250 mV / 20 kOhm.
- AUX 2/ Phono** General purpose pre-amplifier input with an input sensitivity of 250 mV / 20 kOhm. If an **MM** or **MC** phono module is fitted then **AUX 2** is the phono input.
With MM phono module:
Input socket for disc players with moving magnet (MM) cartridge systems. Input capacitance (100 pF ... 500 pF) and input sensitivity (1 mV ... 5 mV) variable by means of switches. Simply set the values closest to those stated by the cartridge manufacturer.
With MC phono module:
Input socket for disc players with moving coil (MC) cartridge systems. Input impedance (5 Ohm ... 650 Ohm) and input sensitivity (50 uV ... 1000 uV) variable by means of switches. Simply set the values closest to those stated by the cartridge manufacturer.
- AUX 3** General-purpose pre-amplifier input with an input sensitivity of 250 mV / 20 kOhm.
- TAPE 1** Input and output sockets for connecting devices which can record and play back (recorders).
- TAPE 2** Input and output sockets for connecting devices which can record and play back (recorders). The input is equipped with an input buffer to be connected to source units with high output impedance (>1kOhm).

TV	Input sockets for connecting high-level signal sources such as TV or VCR. The input is equipped with an input buffer to be connected to source units with high output impedance (>1kOhm).
PRE	Variable asymmetrical pre-amplifier output fitted with cinch sockets. As this is a very low impedance output it is suitable for long leads (e.g. to connect active speakers).
SPEAKER A + B	Two pairs of loudspeakers can be connected to the amplifier (SPEAKER A and SPEAKER B). The impedance of each speaker must not be lower than 4 Ohm (DIN rating).
RC-IN	Input socket for the E 2000 remote control receiver.
RC-OUT	The remote control signals are transferred to the source devices via the remote control leads RZ 001 , which are plugged into the RC-OUT sockets.
RLink	Control output – preparation to control futur "R"-system components with extendend functions. A software update may be necessary.
TASI	Connection to T+A Surround decoder.

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Test

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Specifications

Pre-amplifier

Frequency response + 0 – 3 dB 0,5 Hz – 400 kHz

Signal: noise ratios (A-weighted)

<i>High level</i>	8 x 104 / 109 dB
<i>Phono MM</i>	82 / 86 dB (Non-standard version)
<i>MC</i>	78 / 82 dB (Non-standard version)
<i>Sub-sonic filter</i>	fixed (Non-standard version)
<i>Total harmonic distortion</i>	< 0,001 %
<i>Intermodulation</i>	< 0,001 %
<i>Channel separation</i>	> 90 dB

Nominal input sensitivity

<i>High level</i>	250 mV / 20 kOhms
<i>MM</i>	1 – 5 mV
	16 capacitances
<i>MC</i>	60 – 1000 uV
	16 impedances

Outputs

<i>Headphones</i>	50 Ohms
<i>2 x Tape</i>	250 mV / 100 Ohms
<i>PRE out Cinch nominal</i>	1 V eff
<i>max.</i>	9,5 V eff
<i>Impedance</i>	22 Ohms
<i>Dolby surround interface with fixed level (TASI)</i>	present

Output stage

<i>Nominal output 8 Ohms</i>	170 Watt
<i>per channel 4 Ohms</i>	280 Watt

<i>Peak output 8 Ohms</i>	185 Watt
<i>4 Ohms</i>	340 Watt
<i>Power bandwidth</i>	1 Hz – 300 kHz
<i>Frequency response + 0 – 3 dB</i>	1 Hz – 400 kHz
<i>Slew rate</i>	60 V/us
<i>Damping factor</i>	> 500
<i>Signal: noise ratio (A weighted)</i>	> 110 dB
<i>Total harmonic distortion</i>	< 0,002 %
<i>Reservoir capacity</i>	80000 uF
<i>Mains supply 110 V or 220 / 240 V, 50 Hz</i>	650 VA
<i>Dimensions</i>	15 x 44 x 39 cm
<i>Weight</i>	18,5 kg
<i>Colours</i>	Black (9005), silver aluminium, chrome (Non-standard version)
<i>Remote control</i>	(Non-standard version) Phonomodul replaces one HP-input

We reserve the right to alter technical specifications.