

Power amplifier - PULSAR A 1530 R



Is there such a thing as a powerhouse with tender feelings? Undoubtedly there is, and the new **A 1530** is the proof. Its predecessor, the A 1520, was due for a work-out in the gym, and when it emerged it had developed new High End mica capacitors, precision resistors and optimised torroidal transformers. However, the really significant feature of the **A 1530** is its silver / copper circuit board technology, which is completely new in the audio world. This innovation has also been introduced in all our power amplifiers and integrated amplifiers, with immediate effect. The new technology, developed in the field of RF applications, uses silver as the conductor in the circuit boards, and the sonic advantages are enormous. The new circuit boards are also non-magnetic, and all connections and contacts are also non-magnetic, completely eliminating the disturbing distortion which can be caused by induction effects.

The **ICA technology** incorporated in our amplifiers was developed by T+A with the aim of de-coupling the amplifier's input stage from the current amplifier stage. The result has been a clear improvement in the overall sound and in the spatial characteristics. The new push-pull class A mirror current stage is designed to cope with high-level signal processing, and features transistors with a transient frequency of more than 300 MHz. The result is virtually bottomless dynamic reserves, a vast bandwidth and tremendous speed. Naturally the A 1520 R can be used as a normal **stereo power amplifier**, but it can also be employed in other modes, e.g. for **bi-wiring**, or **bi-amping** in conjunction with other T+A power amplifiers. To protect the amplifier and the speakers connected to it an electronic circuit monitors the signals in the amplifier. This protective circuit is not located in the signal path, so it has absolutely no influence of any kind on the sound image. The circuit monitors the input signal before the output stage, and compares it with the output signal. If the slightest deviation occurs (clipping, distortion etc.) the circuit switches off the output relays. The protective circuit also trips if the outputs are shorted, or if the unit overheats.

Connection elements



INPUT	Asymmetrical amplifier input with an input sensitivity of 1 Veff.
XLR	Symmetrical amplifier input (XLR) with an input sensitivity of 1.55 Veff.
SPEAKER A + B	Two pairs of loudspeakers can be connected (SPEAKER A and SPEAKER B). The impedance of each speaker must not fall below 4 Ohm (DIN rating).
CRTL	If the power amplifier is operated with an (optional) remote-controlled pre-amplifier (e.g. P 1220 R), then the CTRL IN socket should be connected to the pre-amplifier's OUT CTRL socket via the RZ 001 remote control lead.
RLink	Interface for future system expansions

Specifications

Stereo operation

<i>Nominal output 8 Ohms</i>	170 Watt
<i>per channel, both 4 Ohms</i>	280 Watt
<i>Peak output 8 Ohms</i>	185 Watt
<i>4 Ohms</i>	340 Watt

Bridged mono operation

<i>Nominal output 8 Ohms</i>	500 Watt
<i>4 Ohms</i>	600 Watt
<i>Peak output 8 Ohms</i>	700 Watt
<i>4 Ohms</i>	900 Watt
<i>Power bandwidth</i>	1 Hz – 300 kHz
<i>Frequency response + 0 – 3 dB</i>	0,5 Hz – 350 kHz
<i>Slew rate, stereo</i>	60 V/us
<i>Slew rate, mono</i>	120 V/us
<i>Damping factor</i>	> 500
<i>Signal: noise ratio (A-weighted)</i>	> 114 dB
<i>Total harmonic distortion</i>	< 0,001 %
<i>Inputs</i>	XLR, Cinch
<i>Reservoir capacity</i>	120000 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>	Via R system

We reserve the right to alter technical specifications.