5.1 Surroundreceiver - PULSAR SR 1510 R

The basis for this unique surround receiver is the superb **DD 1510 R** 5.1 decoder and our high-end tuner, the **T 1210 R**, complemented by two additional output stages of identical design and a high-quality analogue pre-amplifier which is a completely new development. The unit can deliver a total of 750 Watts (5 x 150 W) whilst maintaining extraordinary sound quality and impressive dynamics. With its RGB Scart connections, excellent tuner and comprehensive update facilities to cope with future standards it is the ideal receiver for Europe.

Naturally we have also taken the requirements of our audiophile customers into consideration. For analogue stereo material there is a direct analogue mode (High Quality Analogue Stereo Mode), in which the decoder's entire digital signal processing section is switched off, and is therefore excluded from the signal path. As you would expect, the unit features separate mains power supplies for the analogue and digital sections.

Connection elements

Digital Input	3 Inputs for digital sources with coaxial digital output
	2 inputs for digital sources with optical digital output
5.1 Input	Input for a surround source with integral decoder.
5.1 Output	Output for external loudspeakers or external power amplifiers.
TASI	Interface for connecting the decoder to a **T+A** 'R'-series pre-amplifier, integrated amplifier or receiver. The interface automatically switches to surround mode. In this mode the volume and tone controls of the stereo pre-amplifier are disabled, as these functions are now assumed by the decoder.
Subwoofer Output	Output for connecting an active sub-woofer.
Front	The main-speakers are connected to these terminals.
Rear	The rear surround speakers are connected to these terminals.
Center	The centre loudspeaker, located at front centre between the main speakers, is connected to these terminals.
AV-AUX (Chinch)	Stereo sound input and video input for connecting an additional AV source device.
VCR (Scart)	Input / output socket for connecting a video recorder with SCART socket
Settopbox (Scart)	Input socket for connecting a set-top box with SCART socket
DVD (Scart)	Input socket for connecting a DVD player with SCART socket
TV-Output (Scart)	Input / output socket for connecting a TV set with SCART socket
R-Link	Control interface for connection to a **T+A** amplifier with **R**LINK control system.

Specifications

Principle	Surroundreceiver
AV inputs scart	4, RGB, S-VHS, FBAS
AV inputs cinch	1

Audio inputs stereo/Pro-Logic	4 x Chinch (1 x Phono MM)
Audio input Multi-channel	1 x DB 25
Digital inputs	6 x SP/DIF, 44.1 + 48 KHz
	3 x optisch, 3 x koaxial
AV outputs scart	1 x TV, 1 x VCR
Audio recording outputs	2 x analog, 2 x digital
Audio output multi-channel	1 x DB 25
Output f. active subwoofer	1

Digital unit

A/D converter	2 Channel, 24 Bit, 48 kHz
D/A converter	192 kHz / 24 Bit
Analogue filter	3rd order, 60 kHz, bessel
Decoder type	56 Bit signal prozessor
Frequency response	1 Hz ... 22 kHz
Total harmonic distortion	< 0,006 %
Signal : noise ratio (A-weighted)	> 103 dB
Signal : noise ratio (un-weighted)	> 98 dB
eff system dynamic range	> 94 dB
Channel seperation	> 80 dB
Volume control	analogue, 1 dB increments
Tone controls	fully digital, channel-separatet
Operating modes	Dolby Prologic II, Dolby Digital (AC 3), dts Digital Surround, Klangfelder

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Output stages

Nominal power per chanel 4 ohm	150 W
8 ohm	100 W
Peak power per chanel 4 ohm	290 W
8 ohm	170 W
Power bandwith (+0 -3dB)	1 Hz - 300 kHz
Frequncy response (+0 -3dB)	1 Hz - 400 kHz
Slew rate	60 V / us
Damping factor	> 500

Tuner

Sensitivity Mono	1.3 uV
Stereo	40 uV
Signal / Noise (S / M)	70 / 75
Total harmonic distortion (S / M)	0,2 % / 0,15 %
Frequency response	5 Hz - 15 kHz

Functions	RDS (Station name)
	Radio text
	Wide / Narrow
	Attenuator
Mains	110 V oder 220 V / 240 V, 50 Hz
	600 VA
Dimensions (H x W x D) in cm	15 x 44 x 39
Weight	18 kg
Colours	Black (RAL 9005)
	Silver aluminium
	Chrome * non-standard version
Remote control	via R-System

We reserve the rights to alter technical specifications