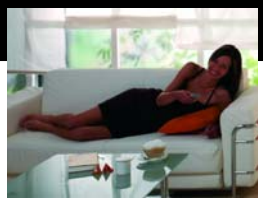
Distributor-Information
07/2007

News Letter 2

Up-to-date: The new CD-S5 - pure sound



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Think symmetrical: CD-S5

The CD-S5 is a CD player with purely symmetrically built circuitry and superior signal processing developed with the aim of allowing as little interference with the signal as possible. Attention was therefore given first and foremost to a very careful choice of components. So inside the CD-S5 you will find capacitors from Wima, Solen and DALE and in the power supply area we use high quality components like OPA2604/OPA2134.

To prevent our efforts in the symmetrical and channel-specific structure of signal processing from being wasted by signal disturbances via the routing of the power supply, all the power stages had to be appropriately stabilised and the mutual impact of the audio channels via the electricity supply had to be eliminated.

In addition, the high frequency digital circuitry had to have no impact in terms of disturbances to the sensitive analogue section conducted by the wiring or radiated (nor via the electricity supply). So the two parts of the circuitry are physically separated or screened from each other and the CD-S5 has two mains transformers: one for the electricity supply of the analogue section, the other for the digital board and the CD reading unit. This design greatly improves the definition and clarity of the sound and you can hear the difference.

Compared with the PCM1732 decoder of its predecessor the CD-S3, the PCM1792 working in the CD-S5 gives significantly better dynamics and improved decoder precision (24bit, 192 kHz). The special feature of this decoder/converter is its symmetrical output. The player does not therefore have to subsequently symmetrise the signal.

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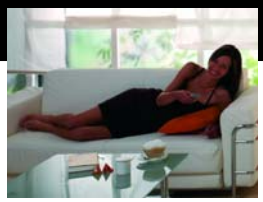

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Consistent analogue feel:

The concept of signal separation has also been extended to the pairs of signals of the two stereo channels: so four separate and simultaneously working signal channels each guide their signals consistently through the filters and amplifier unit, with practically no opportunity for the channels to affect each other (crosstalk).

The amplifier section of the audio output stage is built with J-FET transistors and it works in Class A circuitry. This solution creates a less "digital-sounding" sound and a more analogue feel without fading out the play.

The pause and mute functions have been provided in circuitry terms by a relay. In contrast to a switch simulated by transistors, here the impact on the sound is practically zero since the circuitry has been designed in parallel.

Besides the symmetrical analogue output (XLR), other features of the equipment are a coaxial digital audio output, an optical digital audio output and the support of the central stand-by control (POWER CONTROL).

Technical Specifications:

- **CD Format: CD 24 Bit/192 kHz, Output Voltage: 2,5 V +/- 1,6 dB**
- **Frequency Range: 10 Hz - 20 kHz +/- 0.5 dB, Signal-Noise Ratio: > 95 dB**
- **Distortion: < 0,003 %, Channel Separation: > 90 dB, Dynamic: > 100 dB**
- **Outputs (golden): 1 RCA, 1 XLR NEUTRIK, 1 Coaxial, 1 optical**
- **Mains Supply: 230 V/50 Hz, Weight: 10 kg**
- **Dim. (WxHxD): 430 x 135 x 330 mm**
- **Color: black/silver, Aluminum housing**
- **2 x Power Control Trigger connections (Input/Output)**

Visually this device harmonises with the other audio components in Vincent's Design Line 2. Together with the tuner and the amplifier components in this range we have created a system whose sound, processing quality and elegance are not easy to find these days.

For further information please contact Mr. Uwe Bartel.
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