

VIP G2: Audionet's player statement

The predecessor model VIP (**V**ersatile **I**ntegrated **P**layer) was one of the very first DVD players to offer superlative playback quality for both music and movies. As the trade journals soon confirmed, especially the unique VIP sound performance made the player a feared rival for even the most proficient sound-purity specialists worldwide.

Now, the second generation takes the stage. Available as of immediately, the VIP G2 (**Generation 2**) boasts a performance surpassing even that of its predecessor in every respect.



The VIP G2 is a universal player not only for CD and DVD standards, but also for all SACD formats, whether two- or multi-channel. With its peerlessly powerful rendition the VIP G2 effortlessly presents music of all sound formats and opens up the gates to new musical horizons. Brilliant, vivid and steady pictures combined with a both elementary and delicate spatial soundscape make for a breathtaking and emotional cinematic experience.

The VIP G2 offers pleasant handling and comfortable features. The newly designed, well-defined front panel, the clearly arranged menus, and the universal Audionet remote control make for maximum ease of use. Discs of all formats are loaded quickly and reliably.

Once entrusted to the VIP G2, the securely mounted discs are read free from unwanted external influences. The casing ingeniously combines amorphous granite, steel, aluminium and low-resonance MDF. Audionet Aligned Resonance technology additionally decouples from the casing the transport unit which is mounted on a sturdy aluminium plate, thus systematically absorbing parasitic momentum.

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The disc is fixed in position by a special stabilizer ("Puck") made of POM, a Teflon-like material. Running smoothly and solidly in thick aluminium rails, a sturdy aluminium cover seals off the disk drawer and imparts additional stability to the MDF cover. Parasitic vibrations and noise stand no chance.

The VIP G2 spares no effort to obtain the best possible sound quality. On the basis of groundbreaking engineering, excellent components, and true audiophile passion, we have re-defined the frontier of technical feasibility.



For the main channels, Audionet Intelligent Sampling technology ensures wholly accurate recovery of the analog signal from the digital data stream. In this process, the PCM data runs through a sophisticated two-stage filtration and decoupling process. First, the initial data is filtered and synchronously upsampled by proprietary Audionet software running on a powerful digital signal processor. The filters are designed for maximum possible accuracy of impulse and frequency response. Having been optimised in this way, the audio data is rendered to 192 kHz/24 bits by an asynchronous upsampler, and is completely decoupled from the input clock in the process.

PCM and DSD data are then transferred in separate channels to two high-performance converters and processed into analog audio streams. The digital-to-analog converters are clocked by an interference-free, stress-isolated, high-precision clock generator and powered by high-accuracy sources.

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The analog processing is performed by differential current-voltage converters and extremely complex filter/amplifier circuits. Designed for exceptional impulse accuracy and extremely high cut-off frequency, these electronic circuits are composed of discrete components, with two dual-FET inputs, boot-strapped cascode and audiophile adjustment. This extended design guarantees best channel separation, highest dynamic range and lowest distortion, eliminating jitter artefacts to levels below that which can be detected.

The digital audio transmission is likewise unique. DSD is first converted into PCM data, then processed and decoupled by Audionet Intelligent Sampling technology for subsequent routing to a powerful output transmitter via a low-jitter LVDS data link which is non-sensitive to interference. Audionet's proprietary HighBit interface permits transmission of all two-channel data up to 192 kHz or multi-channel data with up to 96 kHz per channel. The LowBit mode offers data rates up to 96 kHz/24 bits. Thus, either mode offers optimum PCM output data – irrespective of the initial data format, and especially for SACD, both two- and multi-channel.



During CD playback, the audio data is upsampled and digitally output at the rate of 192 kHz/24 bits, a feature which simultaneously accomplishes the function of complete sample-rate conversion. Above all, the VIP G2 is also a D/A-converter. Its qualities can therefore be used for all digital sources – even for computers connected over the USB audio interface.

As the first Audionet source device, the VIP G2 will benefit from the recognised qualities of the optionally available external high-precision power supply EPS, enabling the musical performance to be pushed to exceptional heights.

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In order to ensure the best possible image quality, the VIP G2 is equipped with six 12bits/216 MHz D/A converters for analog video processing. In conjunction with the unique Audionet DC-coupled video output stages, capacitors in the video output signal flow are eliminated to achieve an extremely high and stable video bandwidth. Besides CVBS and S-video outputs, the video output section further includes RGB and component (YUV) outputs, optionally in progressive-scan or interlaced format. Using the HDMI interface, which is also compatible for DVI with HDCP, digital image data is transferred at maximum DVD resolution in PAL 576 progressive format.



Overview VIP G2

Features

- universal player system for CD, DVD und SACD
- D/A-converter with USB/SPDIF-digital input
- DSD/PCM-converter
- top loader, casing made of amorphous granite, steel, aluminium and low-resonance MDF
- solid 10 mm aluminium lid
- transport decoupled with Aligned Resonance technology
- disk stabilizer made of POM
- separate power supply for digital and analog circuits
- Audionet Intelligent Sampling technology
- two selectable oversampling filters

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- discrete and extremely fast and stable filter and output stages
- completely DC-coupled, no capacitors in the signal path
- Audionet HighBit-Interface for all audio data, incl. DVD-A und SACD
- digital outputs can be turned off
- video outputs completely DC-coupled, no capacitors inn the signal path
- Progressive scan
- HDMI output
- video circuits can be disabled
- intelligent remote control SRC-7000

Optional

external power supply Audionet EPS

Laser system

semiconductor laser, wavelength 650 nm und 780 nm

Standards

- CD | CD-R | CD-RW
- DVD-R | DVD+R | DVD-RW | DVD+RW
- Video CD | Super VCD
- DVD-Audio | DVD-Video
- SACD stereo and multi channel
- Dolby Digital | DTS | DTS CD | MP3
- PAL/NTSC-progressive | PAL/NTSC-interlaced
- HDMI

Conversion

- front channels: 192 kHz/24 bits, Multibit-Delta-Sigma
- effect channels: 96 kHz/24 bits, Multibit-Delta-Sigma
- sampling rates: 32 kHz | 44.1 kHz | 48 kHz | 88.2 kHz | 96 kHz
176.2 kHz | 192 kHz | 2.8224 MHz
- video: 6x12-bit-video DAC, 16-fold oversampling, 216 MHz

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In- and Output

- analog audio outputs: 6-cinch line, gold-plated
2 XLR, gold-plated
- digital audio outputs: 2-cinch, 75 Ohm, gold-plated
1 AES/EBU, 110 Ohm, gold-plated
1 Audionet HighBit DataLink
1 optical (TosLink)
- digital audio inputs: 1 USB, for USB-Audio and SPDIF
- analog video outputs: 1 YUV interlaced + progressive/RGB interlaced
1 S-Video
1 Composite-Video (FBAS/Sync)
- digital video outputs: 1 HDMI
- external power supply: 5-pin input

Technical data

- bandwidth: 0 – 90,000 Hz (-3 dB)
- THD + N front channels: typ. 116 dB (A weighted) @ -60 dBFs
typ. 102 dB (A weighted) @ 0 dBFs
effect channels: typ. 95 dB (A weighted) @ -60 dBFs
- SNR: 116 dB
- channel separation: > 130 dB @ 10 kHz
- output impedance: 33 Ohm
- max. output voltage: 3.5 Veff.
- dimensions: W 430 mm | H 120 mm | D 360 mm
- weight: 22 kg