VIP G3

The Universal Virtuoso

AUDIONET

Track
12

Track Time
min   sec
01:12

VIP G3
Versatile Integrated Player

power — stop — skip — play

The Universal Virtuoso

The VIP G3 is the high performance playing device for CD-, DVD-Video- and DVD-Audio as well as SACD-formats. The VIP G3 sets remarkable new standards, even and especially for audiophiles who had lately become less impressed by anything digital.

The VIP G3 virtually breathes very amazing new life into music and movies you thought you'd know by heart – until this point. We've even heard word of vinyl junkies emphatically retaking anything they ever said about CDs. Which is no small feat to accomplish, you'll agree.

> **" ... the VIP G3 plays in a league of its own ... "**
>
> (av-magazin.de)

Absolute Genius

Audionet's mother of sources for any ultra high-end stereo combo plays a quite convincing role in a multichannel environment, too. The VIP G3 offers pleasant handling and comfortable features. The ergonomically designed Audionet system remote control, Harmony One, guarantees ease of use.

Discs of all formats are loaded into the 18 kg machine with ease. Above all, the VIP G3 is also a D/A-converter. Its qualities can therefore be used for all digital sources – even for computers connected via a USB audio interface.

> **" ...The Audionet VIP G3 is a magical source ... "**
>
> (i-fidelity.net)

The Disc Reference Reference Player

The predecessor models of the VIP G3 were the very first universal players to offer truly superlative playback quality for both music and films. Now, the third generation has taken the stage. The VIP G3 (Generation 3) is the ultimate statement Audionet player for familiar CD- and DVD- and SACD-media.

Our engineers improved both the cabinet and the circuit topology, turning every detail of the machine upside down. VIP G3 combines groundbreaking engineering and state-of-the-art scientific expertise with the most up-to-date pre- and power amplifier generation. Its authentic musical reproduction and the cinema-like images give you movies and music of breathtaking depth, contour and naturalness.

Innovation

Once entrusted to the VIP G3, the securely mounted discs are read absolutely free from external influences. The casing ingeniously combines amorphous granite, steel, aluminium and low-resonance MDF.

Audionet Aligned Resonance technology additionally decouples the transport unit from the casing which is mounted on a sturdy aluminium plate, thus systematically absorbing parasitic momentum.

Running smoothly and solidly on thick aluminium rails, a sturdy aluminium cover seals the disk drawer and gives the MDF cover additional stability. Parasitic vibrations and noise are eliminated completely.

To prevent any self-produced disturbance, the ventilation concept requires no fan. The adaptive stabilizer ("puck") made of POM, a Teflon-like material, fixes every disc firmly. The combination of a reduced contact surface and a stronger magnet increases contact pressure. The lower angular momentum of the new puck ensures a stable and smooth disc run.

Cream of the Crop

The efficiency and precision of the VIP G3 is such that even the sound properties of its own components and materials are clearly audible. For this reason, every sound-critical point on the VIP G3 is fitted exclusively with the finest stuff in the world, lots of which is custom-made for Audionet. At the power input a high audiograde fuse made of rhodium and pure copper passes the electricity over pure silver conductors to two separate mains supply circuits for the digital and analogue section.

The use of newly developed CLC-smoothing minimises sound-impairing mains interference producing a totally silent and authentic sound stage. Generously dimensioned line filters and push-pull core coils further improve the mid-range and bass reproduction of the VIP G3.

The newly developed Audionet OP-Amps are fitted with specially selected high-current foil capacitors with a minimal loss angle, increasing the capacity of the mice capacitors. The drivers stage now operates internally with a threefold push-pull and an even further increased current driver capacity.

Stereo- and Multi-Channel Reference

In a feat of high performance engineering the VIP G3 reduces jitter to a virtually unmeasurable minimum. Just one example: our engineers have reduced the jitter of the DACs to an impressive 60 picoseconds sigma eff.! The swinging mounting of the DAC high-precision clock-pulse generator deflects vibrations impairing sound. Another specialized high-precision clock-pulse generator is used in SACD reproduction to synchronize the music data perfectly and to avoid jitter. No music data is lost and all data is processed at the right time, thus guaranteeing exceptionally spacious, detailed and authentic music reproduction.

Our digital audio transmission is also 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 provides data rates of up to 96 kHz/24 bits. Thus, either mode provides optimum PCM output data – irrespective of the initial data format, and especially for SACD, both two- and multi-channel.

Additionally the surround-channels can be electronically switched off so that the entire mains supply circuit capacity is available for use on the two main-channels only.

Visionary

In order to ensure the best possible image quality, the VIP G3 is equipped with six 14bit/108 MHz D/A converters for analogue video processing. In conjunction with the unique Audionet Class-A video output stages, capacitors in the video output signal flow are eliminated to achieve an extremely high-quality and stable video bandwidth. In addition to 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 also makes it compatible for DVI with HDCP or the component output, as digital image data is transferred either scaled at 720 progressive, 1080 interlaced or at maximum DVD resolution in PAL 576 progressive format.

Finish

Front panel:
Brushed aluminium, black anodized, light grey printing
Brushed aluminium, silver anodized, black printing

Display:
Red or blue

Cover:
MDF, Nextel coated, grey

Slider:
Aluminium, 10 mm, black anodised

Chassis:
Granite, sheet steel, black

Function

Universal reference player for CD, SACD, DVD-Audio, DVD-Video.

Special Features

- Configurable as analogue stereo player, Video and multi-channel disengageable
- D/A-converter with USB/SPDIF-digital input
- Top loader, casing made of amorphous granite, steel, aluminium and low-resonance MDF
- Solid 10 mm aluminium lid
- Fan-free ventilation concept
- Adaptive disk stabilizer made of POM
- Separate power supply for digital and analogue circuits
- Transport decoupled with Aligned Resonance technology (3rd generation)
- Audionet Intelligent Sampling technology
- Discrete and extremely fast and stable filter and output stages
- Audionet HighBit-Interface for all audio data, incl. DVD-A und SACD
- Digital outputs can be disabled
- Class A video output stages, no capacitors in the signal path
- Progressive scan and scaling capability
- Progressive Scan und eingebauter Scaler
- HDMI output with 576p, 720p or 1080i
- Audionet System Remote Control Harmony One included

Standards

CD / CD-R / CD-RW
DVD-R / DVD+R / DVD-RW / DVD+RW
Video CD / Super VCD
DVD-Audio / DVD-Video
Stereo & multi-channel SACD
Dolby Digital / DTS / DTS CD / MP3
PAL/NTSC-progressive or PAL/NTSC-interlaced

In- and Outputs

Analogue audio outputs:	3 pair RCA line, gold-plated
	1 pair XLR balanced, gold-plated
Digital audio outputs:	2 RCA, 75 Ohm, gold-plated
	1 AES/EBU, 110 Ohm, gold-plated
	1 Audionet HighBit interface
	1 optical (TosLink)
Digital audio inputs:	1 USB, for USB-Audio and SPDIF
Analogue video outputs:	1 YUV interlaced + progressive/RGB interlaced
	1 S-Video
	1 Composite-Video (FBAS/Sync)
Digital video outputs:	1 HDMI 1.1 (compatible to DVI with HDCP)
External power supply:	5-pin input

Conversion

Front channels:	192kHz/24bit, Multibit-Delta-Sigma
Effect channels:	96kHz/24bit, Multibit-Delta-Sigma
Sampling rates:	32kHz / 44.1kHz / 48kHz / 88.2kHz / 96kHz / 176.4kHz / 192kHz / 2.8224MHz
Video:	6x14-bit-video DAC, 16-fold oversampling, 108MHz

Technical Data

Bandwidth:	0 – 90,000 Hz (-3 dB)
THD + N:	Front channels: typ. 115dB (A weighted) @ -60dBFs typ. 104dB (A weighted) @ 0dBFs
	Effect channels: typ. 110dB (A weighted) @ -60dBFs
SNR:	111 dB
Channel separation:	> 130 dB @ 10 kHz
Output impedance:	33 Ohm real
Max. output voltage:	3.5 Veff.
Power consumption:	max. 50 W
Dimensions:	width 430 mm height 120 mm depth 360 mm
Weight:	18 kg

Scientific Breakthroughs: Audionet Key Technologies

Audionet-Ultra-Linear-Amplifier ULA

Audionet's worldwide respected and award-winning ULA (Ultra Linear Amplifier) technology is of fundamental importance for our outstanding technology. This highly complex circuit topology, initially conceived with medical engineering in mind, delivers metrological results which mark a limit of feasibility. Even under the most severe strain or in other stress situations signal impurities are barely traceable, and the high return loss guarantees that even the most demanding loudspeakers will perform faultlessly up to their utmost limits.

Audionet Operational Amplifier

Audionet operational amplifiers (OP) are used in our devices at most sound-critical parts of the circuit design to deliver the very best tonal results. Usual operational amplifiers, available in different quality and price ranges on the global market, can't satisfy our core demands for perfect sound quality. Even the most expensive ones with the best results on paper aren't perfect. That's why we have designed our own operational amplifier technology. Any single Audionet OP contains at least 86 parts and components, and our topology ensures an impressive gain-bandwidth-product of 1 GHz.

Asynchronous Upsampling

With the D/A conversion we've focused our highest attention on eliminating jitter, the wobbling of digital signal slopes. Jitter faults curtail the sound reproduction in every respect: imaging, stage and depth rendition will be impaired. The conversion is done using Audionet's Intelligent Sampling Technology which guarantees an absolutely flawless recovery of the analogue signal from the digital bit stream. For this purpose the data are sent through a sophisticated, two-stage filtering and decoupling procedure. First the input data are filtered with Audionet's proprietary software using a powerful signal processor and upsampled synchronously. The filters have been designed under audiophile aspects with regard to an optimised transient and frequency response. The thus optimised data are then resolved through an asynchronous upsampling procedure at 192kHz/24bit. Hereby the bit stream is completely isolated from its input clock and its associated jitter. The data are then fed to high-performance converters, which are clocked by special ultra-precision quartz crystals, and individually processed per channel into analogue signals. This method ensures that jitter faults are

almost entirely eliminated in the analogue signal. No information gets lost and every bit of information will be processed at the right time, bringing forth an unmatched clarity, room depth and stage imaging.
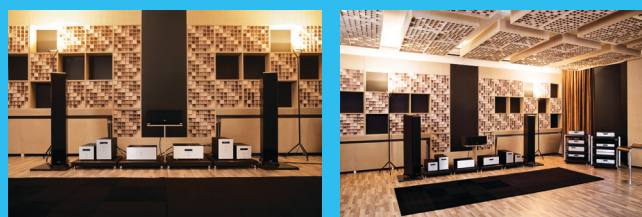
Double-Precision-Bassmanager and Parametric Equalizer

The digital signal processing is accomplished with efficient signal processors and our proprietary Audionet software which was developed and continuously improved exclusively under audiophile aspects in more than 15 years of painstaking scientific labour.

Audionet Listening Room
Listen and be enlightened!
In Audionet's quite incomparable listening room.

The double precision bass management uses a 48bit resolution at all sampling frequencies. Even the very lowest frequencies are therefore precisely reproduced and accurately processed. The bass manager offers freely selectable cutoff frequencies, filter Q factors and subwoofer phases. Thus you can perfectly integrate your subwoofers into the system and into the room.

The digital parametric equalizer uses Minimum Phase Equalizers (MPE) both for the main channels and subwoofer channels. For each MPE the filter type, frequency, gain and Q factor can be selected within an unusually wide adjustment range and disturbing room interference and tonal annoyances efficiently compensated. In combination with CARMA, our computer aided room acoustics measurement system, it is possible even for non-professionals to reach nearly professional results.

The delay manager has an adjustment range of up to 7 m and automatically calculates the delay times from the distances.

audionet

Scientific magic.

Reference

AV-Magazin.de:

" … The VIP G3 playing experience represents the final statement for the reproduction of CD, SACD, DVD audio and DVDs. Not only because there will probably never be any VIPs again. Working together with a high-performance external scaler and their in-house produced MAP, the VIP G3 elicits a picture and tone from the 'good old' DVD which makes entirely clear that this disc will be playable for a good any years to come. This is just as applicable for music discs: the VIP G3 plays in a league of its own."

Stereo Germany

"With respect: The best DVD audio player STEREO ever had. With comfortable distance. Yet in CD mode the VIP roughs up the competition and the reference CD player ART V2. In DVD audio mode it even sets the standard, no matter if two-channel or six-channel. Probably the best DVD audio player on the market at present."

i-fidelity.net

"The Audionet VIP G3 is a magical source. Why? It's inimitable method of bringing music to life across two channels, whether from a CD or SACD; the cheeky effortlessness which it retains even when playing complex musical structures; its boundless power in the lower octaves which never gets out of control; or its sensational spatial depiction, all of which catapult this universal player to the top position. … The reference at i-fidelity.net for multiplayers is called the Audionet VIP G3."

en.audionet.de

⬜ Audionet

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Sources
VIP G3
ART G3

Integrated Amplifier
SAM G2

Preamplifier
PRE G2
PRE I G3
MAP I
PAM G2

Power Amplifier
MAX
AMP
AMP VII
AMP I V2
AMP V
AMP IV
AMP III

Network Components
DNP
DNA 2.0
DNA I
DNC

Power Supply
EPX
EPS G2