The compact disc player Audionet ART G3: squaring the disc.

AUDIONET
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The Audionet ART G3 transforms your CD into a new and fascinating audio experience. Opening new dimensions in the listening experience, it provides an excellent tone quality, high definition, clarity and stage illumination. The energy flow is homogenous and unlimited. Music is transformed into a spacious, lively experience for the senses.

This is enabled by an unusual yet consequently-implemented solution. The system avoids and deflects vibration to maintain uninterrupted reading-out. The housing is an elaborate mixture of amorphous granite, steel, aluminium and low-resonance MDF. Our Audionet Aligned Resonance Technology (ART) also decouples the drive unit. The robust metal drive is set into a massive aluminium plate, guaranteeing read-out quality and stability. A special puck construction with a cylindrical receiver provides a stable, even disc run.

The D/A conversion for the main channels is performed by the Audionet Intelligent Sampling Technology. The data is processed by a complex 2-stage filtering and decoupling process with 192 kHz / 24 bit, producing first-class impulse and frequency fidelity. Jitter is reduced to an almost unmeasurable minimum. The data is then processed into an analogue signal by separate high-performance converters for each channel.

Analogue signal processing is made via a differential current / voltage converter, an extremely complex filter / amplification circuit and the unique discrete Audionet operational amplifiers, designed for extreme impulse fidelity and high cut-off frequency. The multi-layer, impedance-linearized circuit boards have a huge bandwidth and low-resistance, which reduces noise and distortion to a minimum.

Power is distributed throughout the ART G3 by several separated power supply units. We use only selected components and the best materials such as rhodium, silver and gold.

The ART G3 also acts as a D/A converter for external devices with selectable USB/SPDIF and optical TosLink inputs.

Press commentary:

Marius Donadello, av-magazin.de: As we have come to expect from Audionet, the ART G3 presents itself in an immaculate, elaborate form leaving nothing to be desired. Its reproduction quality unearths previously hidden pearls in the music, releasing previously unimagined potential from the common or garden CD. With its convincing quality, the ART G3 significantly exceeds the sound produced by its predecessor. The Bochum manufacturers have once again defended their position at the top of the audiophile tree. The new reference player for us at av-magazin.de is called Audionet ART G3.

Stefan Gawlick, i-fidelity.net: Over the last few weeks, our colleague Olaf Sturm enthused our readers for the new Audionet integrated amplifier SAM G2, establishing a virtual pedestal for this top-notch instrument in our editorial office. Having heard its output, I understand fully what moved him to do so. The clarity and precision produced by the ART G3 matched only by the almost quaffable yet lucid tonal substance makes it into the best CD player ever to have presented itself at i-fidelity.net. The immense musical competence with which this new ART G3 draws us into the world of sound only serves to underscore our decision to declare the Audionet ART G3 as our new reference point.

General Information and Technical Data ART G3:

// FUNCTION

Compact Disc Player

D/A converter function for audio- and pc-data

// SPECIAL FEATURES

Top loader with damping MDF, aluminium and granite casing construction, solid aluminium cover (10mm), run on Teflon bearings

Audionet “Aligned Resonance Technology”, decouples transport unit, boards and the clock generator

reference CD drive VAU 1254/31LF

disc stabilizer (puck) and its cylindrical receiver made of POM

separate power supplies for read-out and converter unit

completely DC-coupled, no capacitors in the signal path

discrete, extremely fast and stable filter and output stages

D/A converter function with USB/SPDIF digital input and optical TosLink input

Audionet HighBit-Interface with 192 kHz/24 bit output

AES-EBU output with 96 kHz/24 bit

digital outputs can be switched off

professional operating concept

automatic mains phase recognition

Audionet System Remote Control Harmony One

// OPTIONS

external power supply Audionet EPS G2

// LASERSYSTEM

Semiconductor laser, 780 nm wave length

// STANDARDS

CD, CD-R, CD-RW (finalized and non finalized disks)

Disc-size 80 und 120 mm according to IEC 908

// CONVERSION

192 kHz/24 bit, Dual-Mono-DACs, Multibit-Delta-Sigma

sampling rate
44.1 kHz, up sampling to 192 kHz

// IN- AND OUTPUTS

audio inputs digital
1 USB for USB-Audio (44.1 kHz/16 bit, 48 kHz/16 bit) or
SPDIF (32 kHz-96 kHz/24 bit)
1 optical TosLink (32 kHz-96 kHz /24 bit)

audio outputs analog
1 pair WBT RCA sockets, single-ended, gold-plated and Teflon insulated
1 pair Neutrik XLR, balanced, gold-plated

audio outputs digital
2 RCA sockets, 75 Ohm, single-ended, gold-plated and Teflon insulated
1 AES/EBU, 110 Ohm, gold-plated
1 optical (TosLink)

remote activation
1 Audionet Link OUT, optical (TosLink)
2 Audionet Link IN, optical (TosLink)

external power supply EPS G2
5-pin socket

mains
IEC male power insert connector

// SPECIFICATIONS

frequency response
0 – 90,000 Hz (-3dB) analog

THD + N
< - 100 dB at -60 dBFs

SNR
> 110 dB

channel separation
> 130 dB at 10 kHz

output impedance
33 Ohm real

output voltage
3.5 Veff.

mains
220..240 Volt / 50..60 Hz also available in 110..120 Volt / 50..60 Hz

power consumption:
1 W stand-by, max. 40 W

dimensions & weight
430 * 120 * 360 mm, 22 kg

// FINISH

front
brushed aluminium, 10 mm, black anodized, light grey printing or brushed aluminium, 10 mm, silver anodized, black printing

display
red or blue

cover
MDF, Nextel coated, grey and aluminium, 6 mm, black anodized

slider
aluminium, 10 mm, black anodized

chassis
granite and 2 mm sheet steel, black varnished

Find out more: www.audionet.de




Listen and be amazed.

The incomparable listening room which we have developed enables us to evaluate tonal signals and check their quality, so as to identify even the smallest tonal differences. Without going into overly-much detail, you can expect that we have invested as much effort in this creation as we put into the development of our amplifiers and players. Experience an acoustically overwhelming environment in which absolutely no musical information is lost.
If you would like to experience this truly astounding acoustic experience, just get in touch.

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