



Muscle-Games

HIFI Einsnull <http://www.einsnull-magazin.de/>

Peripherals:

- Sources: Audiodata Music Server MS II/Auralic AriesCD - USB cable: Audioquest Cinnamon- RCA / XLR cable: Audioquest McKenzie- Integrated amplifier: NAD C356BEE

AVM Ovation A 8.3 Cambridge Audio Edge A - Speaker Cable: Audioquest Rocket 44 - Speaker: SOUND + TONE "Nada"

Elaborate technology makes the difference. That's at analog and in digital systems like that. We have a combo in the test, which strives for exactly this mantra.

Unlike pure analog HiFi systems that are with regard to the mechanics difficult to miniaturize. There are high quality digital Music systems also with enormously small Dimensions. The two systems, we receive from Headquarter Audio are far from this. A purely digital Source with 15 kilos of weight are rare to find. A D/A converter, which is just a little bit below the 20 kilogram mark, is still rather the exception to the rule. Suitable here also the name of the device: Manufacturer Denafrips named his DAC Terminator, what the metal giant names really good. The associated source is equally descriptive named, albeit with a little less Fantasy:

Here it concerns the CD transport called by Jay's Audio CDT2 in the Mk-II version. Both fit together wonderfully, the bulky exterior is only part the connecting features. Transport and converters set up high quality components and best signal architecture, a first-class to achieve sound.



With the elegant remote all functions of the CDT2 are well controlled

Let's start on the CD drive. The Company Jay's Audio continues with their products full on playing CDs. Founder Jacky Ho has, despite the Advances in streaming and HiRes all the rotating discs prescribed. Many audiophiles see this is similar and I as proven Fan of streaming and straight HiRes audio has to admit that listening to a CD still is a completely different way of listening to music is.

Listening to an album here is just conscious and that domestic shelf can be wonderful as shrine used for your own hobby and, quite broadly, with the preserved music own personality reflect. With the CD is it possible to listen to the music celebrate, and the CDT2 wants exactly to do this.

A lid whose enormous material thickness which is in no way inferior to the case, provides access to the actual Drive. A **Philips CDM 4** mechanism is used to read the discs used, in turn, with a pretty light puck out of thin upholstered carbon on the spot being held. That works in comparison with the bulky-looking Device a bit questionable, but Jay's Audio knows what they are doing.

If you close it despite its mass wonderfully smooth lid of the Toploader, the album will be scanned shortly and the drive is waiting the signal for playback.

Besides the laser mechanics are natural also the other components of the CD transport with a view to the performance been selected. The Power is filtered so that Noise is suppressed. Quality Components can be found at all Corners and also at the timing the signal processing is precision the top priority. For that uses Jay's audio in the CDT2 a clock, the works exactly to the femtosecond.



While the large display dominates the look of the CDT2, shows the Terminator with his ads much more restrained

This is especially important for one the output types of the device at which

the correct timing plays a big role. As source device with claim the CDT2 offers a transmission type,

which is exactly right here: A HDMI Connection allows the transfer an I²S signal to an appropriate one Converter.

Unlike other used Connections becomes I²S besides the pure audio signals a timing signal sent too, even more correct signals on the received device allows. Of course, this sets one DAC ahead, also with I²S connections can handle what usually extremely high quality is reserved for models. That's why the CDT2 next to its HDMI a connection also three more exits, with which the drive comes in handy any DAC can be used.

All connection types, the Jay's audio used on his transport could be received from the Denafrips Terminator. Offers the mighty D/A converter as well a number of other compounds. Coaxial and optical S / PDIF variants and a USB B port is found on the back of the DAC. To come two AES / EBU connections and a total of three entrances, which are I²S compatible. Next the transmission via HDMI can the Terminator the signal type also accept by two RJ45 sockets.



Practically all digital connection types were considered by Denafrips

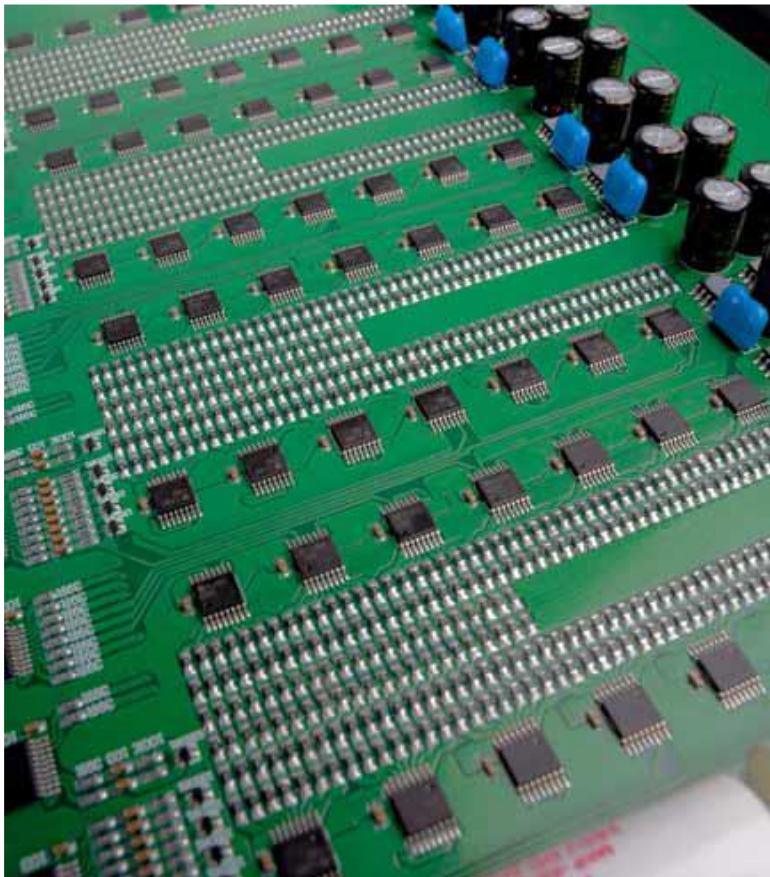
These Variety of connections is really impressive. Virtually every digital Source device can easily handle be connected to the converter and also the passing of the converted Signals to an amplifier is thanks symmetrical and unbalanced Flexible outputs. Even if the uncanny flexibility of the DAC in terms of connections already shows where the journey is going,

Technology enthusiasts will remain the mouth open at one look inside the Terminator. That starts with the Power on, even if this with a simple opening of the heavy device cover not at all becomes visible. Denafrips has his Reference DAC namely in two floors built, the entire lower just for the power supply is there.

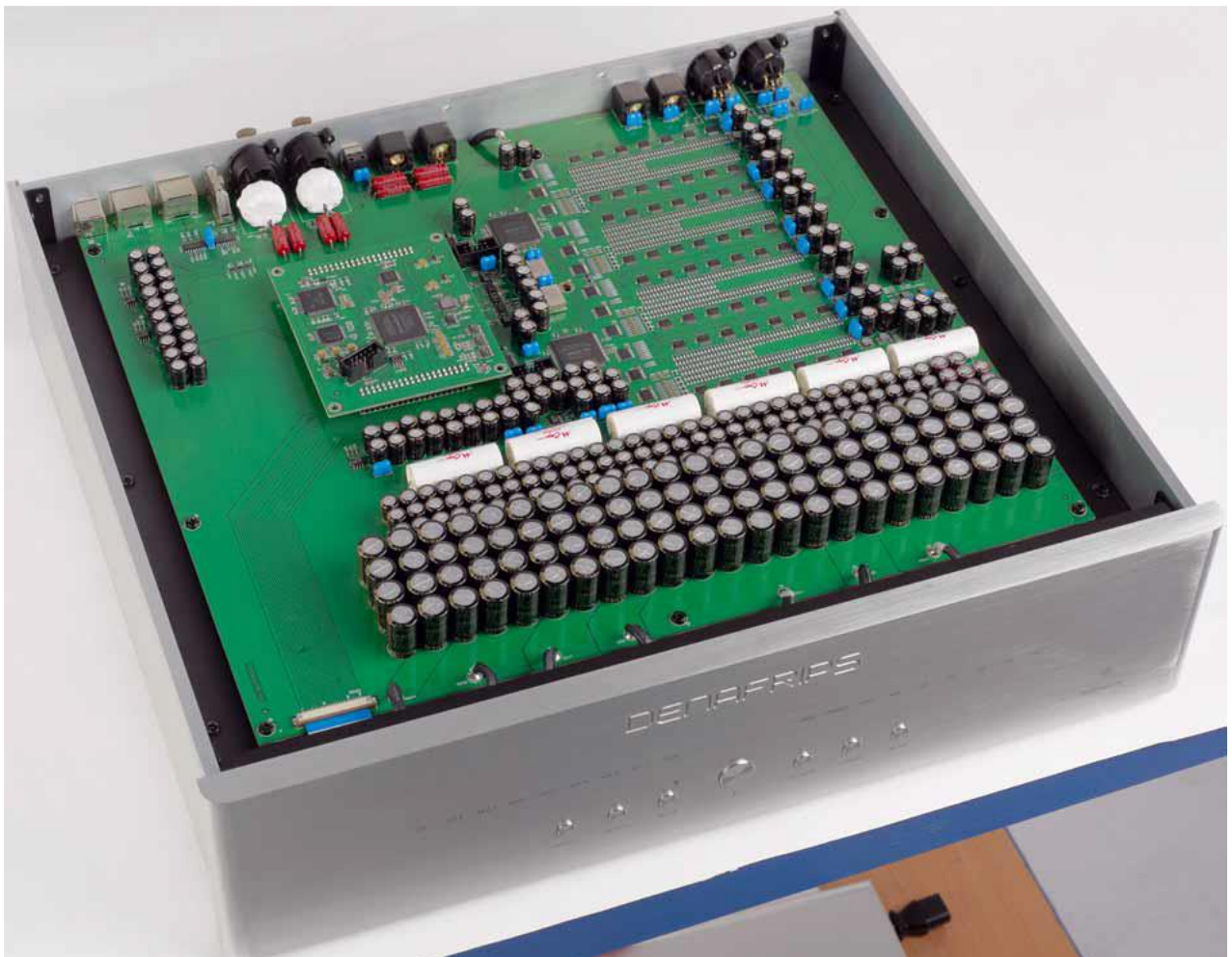
The power supply comes in one separated by a steel lid Metal tub under. Two big toroidal transformers supply analog and digital Sections of the converter separately with suitable current.

The upper floor of the big device remains reserved for audio electronics, which also impressed enormously. Already the pure amount of components and their precise arrangement are great. Just like the CD transport

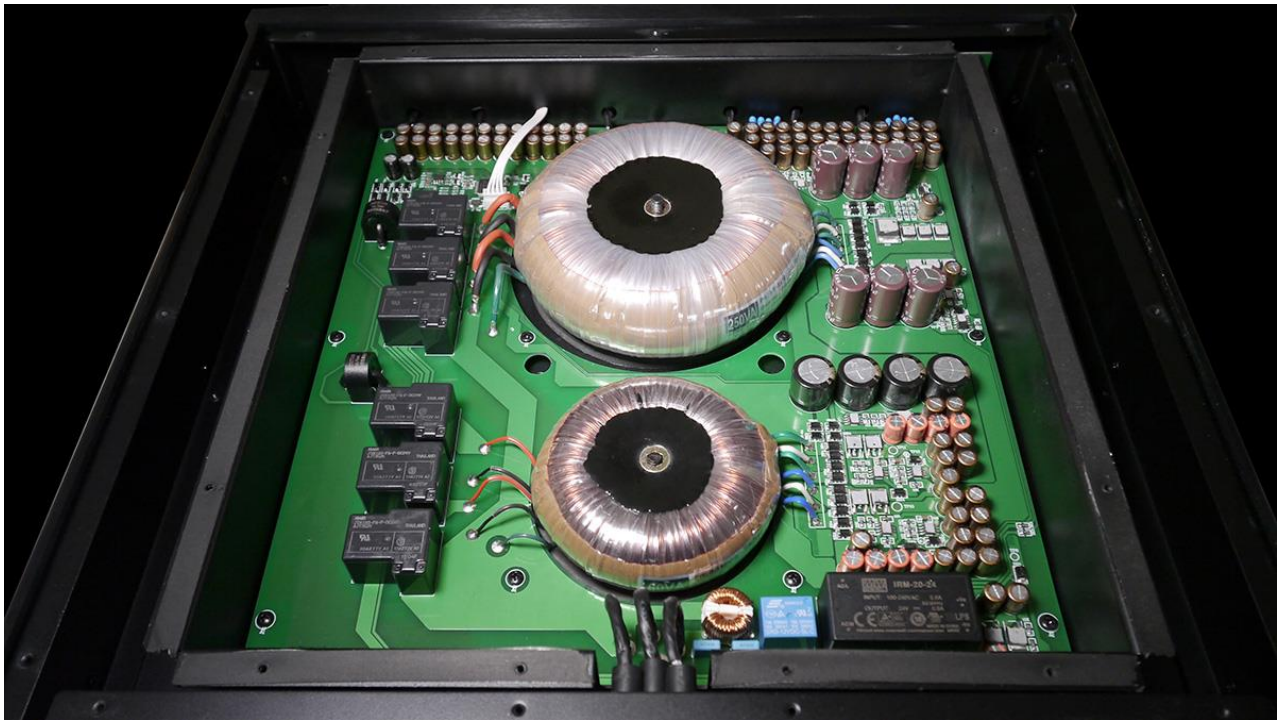
Also, everything is a little different here made as usual, so Denafrips the common one-chip solutions for Leaves DACs to the left and instead uses an R-2R design.



1000 selected resistors uses the Terminator for conversion



While the electronics occupy the upper area, comes the elaborate power supply in one separate housing under housing



Added for illustration by HEADquarter Audio



HEADquarter
AUDIO

Wir unterstützen Sie dabei Lautsprecher, HiFi Geräte, Kabel und Zubehör so zusammenzustellen, dass sie in der Lage sind einen natürlichen und richtigen Ton zu spielen.

Wir transportieren Musik
mitten ins Herz



4.500,00 €

DENAFRIPS

TERMINATOR R2R DAC

Der Terminator ist mit jahrelangen Forschungs- und Entwicklungsleistungen gefüllt.

Diskrete Widerstände der vierten Generation 26Bit R-2R für die PCM-Decodierung, 6Bit-DSD-Hardware-Decodierung mit 32-stufigen FIR-Filtern, ein Gesamtdurchbruch der traditionellen integrierten Chipbeschränkungen. I²S - Input / Gewicht: 19.0 KG

Mehr Informationen unter:
www.HEADquarteraudio.de

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Jay's Audio CDT2 MK2 CD- Laufwerk

Jay's Audio CDT2 MK2 CD- Laufwerk mit dem legendären Philips CDM 4 Dreharmlaufwerk mit Glastinse und I2S als HDMI (LVDS) Ausgang/ FEMTO Clock.

Das Laufwerk, um ihre CD-Sammlung nach Red Book Standard auf Topniveau die nächsten Jahre zu präsentieren. Musikalisches Ausnahmetailent zum unglaublichen Preis, verarbeitet wie ein Panzer und 15 Kg Gewicht.

2.298,00 €



Many will come to this Ladder DAC small resistances exactly on each other coordinated and set the digital into an analog signal. At the terminator uses Denafrip's insane 500 of these precision resistors, mind you per channel. 1000 smallest Components are used here, to convert signals with 26 bits.

Of course, the timing plays once again a big role, which is why Denafrips Clocks uses that with accuracies work in the femtosecond range. Determine two Crystek oscillators the timing independent of the input signal.

The elaborate construction can be used at the terminator to PCM signals up to 384 kHz too process while DSD to 11.2 MHz can be converted. Suitable to the type of change in which the signal changed as little as possible. The DAC also offers the matching NOS mode. At this Non-oversampling setting will to the usual conversion of the signal waived, instead uses the Terminator a native way of working.



NOS mode, phase and pinout of the RJ45 and HDMI connections can be set via buttons on the front panel

This is determined with the function keys at the front of the converter, as well as the source choice or the Conversion of the I²S mode for devices with different pin assignments.

Also the used sampling rate will be here displayed with some LEDs, the accurate reading a little mental arithmetic may require. Both frequency ranges 44.1 and 48 kHz as well DSD will be powered by its own lamp shown while the multiples with LEDs for the appropriate multiplier are displayed. Somewhat idiosyncratic, but ultimately as functional as any other type of ad too.

So much for Jay's audio and denafrips though She is proud of her technique only means to an end, because both after all manufacturers have gotten that good sound prescribed.



The HDMI output is for a corresponding Converter clearly the first choice



Good power supply and selected Components also distinguish the CDT2



A massive case protects the electronics the CD transport from vibrations



Thanks to large numbers, the display is also easy to read from a distance

The CDT2 then gets everything out of the CD, what the bits have to offer.

Even actually suboptimal mixed Rock sounds enormously dynamic to the speakers.

Low tuned Guitars give transport and DAC the necessary weight on the way, but do not seem cumbersome, but just deliver rich sound, when needed. Generally is the game thanks to the Ladder DACs and the I²S transmission pleasant off. CDs get a wide soundstage with beautiful depth graduation. Also details there are aplenty, straight fine in treble put the combi wonderful around. Against the dark background components are doing well and are shown very vividly. Ultimately, I have my inner urge for hiRes but give way and deliver the terminator with High bit signals from the network. Again, the DAC offers what is already at the CD playback showed.

High precision, good space and a differentiated representation. Disable the NOS mode, the room seems a little less off. In return, get mids and heights a little more contour. Here it is personal taste that decides how to work the denafrips Terminator. CDT2 and Terminator fit wonderfully together and do too a great figure in itself. The transport shows the benefits of the last 30 years in CD/Red Book, and the elaborate Ladder DAC offers high quality source devices one great platform to get bits again to become **music**.

Philipp Schneckeburger

Jay's Audio CDT2-MK2

- Price: around 2,300 euros
- Sales: Headquarter Audio,
Bergisch Gladbach
- Telephone: 02207 8470914
- Internet: www.headquarteraudio.de
- W x H x D: 430 x 120 x 380 mm
- Inputs: 1 x CD
- Outputs: 1 x HDMI I²S
1 x AES / EBU
1 x S / PDIF coaxial
1 x S / PDIF BNC

Denafrips Terminator

- Price: around 4,500 euros
- W x H x D: 430 x 105 x 380 mm
- Inputs: 1 x S / PDIF coaxial
1 x S / PDIF BNC
1 x Toslink optically
2 x AES / EBU
1 x HDMI I²S
2 x RJ45 I²S
1 x USB-B
- Supported sampling rates:
PCM up to 384 kHz, 26 bits;
DSD to DSD256, 11.2 MHz, 1 bit
- Outputs: 1 x XLR stereo
1 x RCA stereo

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<Checksum>

"Jay's Audio created with the CDT2 Jewel for lovers of the CD. The stylish Transport offers elaborate technology for the highest precision.

The same applies to the DAC. The R-2R construction Denafrip Terminator offers an excellent sound thanks to the enormous variety of connections every conceivable Source device can benefit.

A enormously strong duo. "

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