



# Privilege D/A Converter *MK2*

*Technical Specification*

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## Outside

Our philosophy in creating the transport model was the same as with the rest of the line:

Elegance of detail must be reflective of performance . Therefore the case has been produced from a unique, homogeneous 100 kg cast aluminium block. This process creates a natural and particular colour that is unwavering over time. The front panel has a VFD display, magnetic optical encoder form last generation included push function, 7 LEDs indicating the input selection. The device is supported by three steel feet fitted with a special plastic ring . The feet have been design for stability and excellent weight distribution. The structure of the special plastic feet enables the unit to be moved easily.

On the rear panel, the input and output connectors have been placed on the PCB for optimal use in a way which eliminates noise and frequency perturbation. All connectors have been chosen for their aesthetic quality as well as for their performance. The main switch has been separated from the AC power allowing better access to it, a particularly important feature which caters to thicker cables used in the world of high end audio. A USB port has been implanted to update the firmware. The Vacum Fluorescent Display enables the information display to be viewed more easily. All the functions of the unit are controlled intuitively by the rotate encoder.

## Inside

### Power supply part

The power cable coming from the input terminal is filtered and completely shielded and the electronics insulated from audio disturbances. Hence we use two 48VA transformers, one to power the electronic commands separately (Microcontroler , LEDs, Encoder, VFD screen), the other to power the processing of audio. Both transformers have been armoured against electromagnetic emissions and placed in order to have a better repartition of weight and mechanical stability. After its rectification, the voltage passes through a portion of the switching power supply which is then regulated to obtain a stable high quality, and sent to the analog supply separated from the digital supply. All the power cables have been separated from the data cables and anchored to the bottom of the housing.

## Audio part

The D/A converter has 6 inputs for digital streams (AES/EBU / SPDIF on 2 x RCA , 2x BNC and 1x Toslink). This structure enables the reception of all coded signals up to a sample frequency of 192KHz at 24Bits. The input selection is done by a simple rotation of the encoder either right or left. When the DAC receives a signal it can lock on, it indicates the sample frequency on the display and the LED corresponding to the input will have stabilized. With this simple system, you will know immediately whether you have selected the input source correctly. After the re-synchronisation, the incoming digital data streams will have been converted into a high definition 24bit/384kHz signal. This processing gives all the depth and the brightness to the sound contents in your digital data.

The analog outputs are based on an ultra high quality Sigma/delta Digital to analog converter from Analog Device. In each channel there is an AD1955 which processes the signal in mono configuration for a better inter-channel level. After the conversion, the signal is processed in balanced active stages (I/V conversion and gain). We use top-grade Audiophile components used throughout the important stages of the signal (Vishay resistors, Leclanché caps,..). All PCBs have been built using gold plated traces. This results in near perfect phase linearity and soundstage quality; the sound will be natural with a beautiful image. You will hear details that you've never heard before