



Privilege D/A Converter *MK2*

Technical Specification

Outside

Our philosophy in creating this DAC was the same as for the rest of this line. «Elegance of detail must be reflective of performances». The case has been excused from a 100 Kgr. aluminium homogeneous structures block. This allows us to obtain a natural and particulate color and highly stable over time. The front panel has a VFD display, magnetic optical encoder form last generation included push function , 7 LEDs indications for the inputs select. The device is supported by three steel feet fitted with a special plastic ring . The feet have been design to obtain very high stability and excellent distribution of its weight. The structure of special plastic feet enables to move also easily the unit. On the rear panel, the input and output connectors are opened at milli-meter planned for optimum use. 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 particularly important to cable diameter used often in the world of high end audio. An USB port has been implanted for make firm upgrade if it needs. The Vacum Fluorescent Display enables to see the informations with an better ease. All the function of the unit are controlled by the rotate encoder in a way intuitive.

Inside

Power supply part

The power cable coming from the input terminal is filtered completely shielded insulator electronics audio disturbances. Therefore we use two transformers 48VA, first is used to powered separately the electronic commands (Microcontroler , LEDs, Encoder, VFD screen). The second transformer powered the audio processing, both the Transformers have been developed with an armoring against the electromagnetic emissions and placed in order to have the better repartition of the weight and a higher mechanical stability. After his rectification, the voltage passes through a portion of switching power supply is then regulated to obtain a stable high quality and send to the audio part analog supply separated of digital supply. All the power cables are been separate the data cables and anchored to the bottom of the housing.

Audio part

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

The analog outputs are based on a ultra high quality Sigma/delta Digital to analog convert from Analog Device. In each channel are placed a AD1955 which mean a process in mono configuration for a better inter-channel level. After the conversion, the signal process in a balanced active stages (I/V conversion and gain). We use the Audiophile top-grade components used throughout important points of the signal (Vishay resistors, Leclanché caps,..). All pcbs have been built using gold plated traces. This result in near perfect phase linearity and soundstage quality; the sound will be natural with beautiful image. You will feel some details like you never listen...