



Privilege Preamplifier

Technical Specification

The chassis is carved from a block of aluminum 100kg. Neutrik audio connectors and Cardas are welded below the pcbs, because as for the amplifier electronics is mounted upside down.

The front consists of an LCD display, high intensity, a ring of blue LEDs showing at any time the general noise level, a small window allowing the IR receiver and a rotary encoder (located in the center).

This encoder is the latest optical encoder left in Elma. It can intuitively control all functions of the unit's volume control to the configuration options.

Supply

The power cable coming from the input terminal is filtered completely shielded insulator electronics audio disturbances. Therefore we use two transformers 48VA, one dedicated to feeding the sound card and the second feeds the control electronics and user interface. Power for the audio track is composed of power supply for the analog part.

After his recovery, blood passes through a portion of switching power supply is then regulated to obtain a stable high quality. The power of our digital audio is provided by a battery controller for proper operation. The second processor provides through regulating the current applied to the front.

All the power cables separate the data cables and anchored to the bottom of the housing.

Pre-Amp

This preamp is not a simple evolution of the Two classic line. Our engineering strengths of different feedbacks received have kept the spirit of Two and we designed this new preamp. 4 RCA inputs, 2 XLR inputs, a monitor input, monitor output, 2 XLR and 2 RCA outputs. The entire signal path was designed to promote balanced use of XLR cables, but requiring more electronic components.

We use Vishay resistors of very high qualities important point on the signal path. The preamp operates two digital volume controls Wolfson (1 per channel). It also has a loop reaction against removing the analog level (DC).

MCU

The switching relays the signal routing as well as all other functions are controlled by a microcontroller last generation. It includes a USB type B for the update of the device without opening it.

The MCU can also control the brightness of the LCD screen as well as blue LEDs power. Moreover the Pre – Amps has also 4 trigger outputs are present to control the amplifiers.