



Synfonia PPA Phono Preamplifier

Outside

The Synfonia PPA is the Phono Preamplifier to integrate your favorite turntable to your high end audio system. The aluminum box is carved from the block not only for the sophisticated design but also to keep a simple and smart package. Due to the recording technology of vinyls, the phono preamplifier has to use a reverse filter to obtain a flat frequency response at the output of the phono preamplifier. The integrated RIAA filter has been developed with low tolerance components in the way to achieve an outstanding audio performance. This reverse filtering allows you to hear the music as the sound engineer recorded it in the studio. That is the aim of the Orpheus Phono Preamplifier.

Inside

Each detail of the PPA has been studied to improve the audio performances avoiding creating unwanted perturbations on the device. For example, the deep structure of the PPA is a two stage device. The connections to the high voltage connector and the transformer are made on the lower part of the Phono Preamplifier. On the upper stage, only low level voltage are present as the digital and analog voltage for supplying the signal pcb. The PCB of the Power Supply Unit and the signal card are separated as the bottom floor is separated from the top floor with a steel part connected to the chassis (Earth). We use encapsulated transformers developed by a well known brand which specially has a division for audio.

In order to be compatible with a large spectrum of high-end devices, several switches allow user selection of various settings such as the input impedance, the output connector type and the Phono Preamplifier gain. These setting are particularly useful to integrate moving magnet (MM) and moving coil (MC) turntables.

The clever connections of the PPA allow the user to connect its turntable with RCA plugs and one connection for the needed ground on some devices. The output type is selectable by the switches placed on the rear panel.

In the way to stay compatible with the most of the turntable, on the rear panel of the PPA the user can find 3 switch for configuring the PPA according the turntable specifications. One first switch is for set the gain of the PPA to 40dB or 60dB. The second one is for selecting the input impedance (100R or 47K). The third switch is for selecting the output stage (XLR / Balanced or RCA / Unbalanced).

When the device is correctly powered, a big Orpheus cut in the aluminum is lighted in blue which make an impressive positive feeling in a room dedicated to music.

A technical mind

The PCB's have been developed in the way to keep the same signal length on the stereo signals.

The main connector is composed with a voltage selector which allows the user to connect its unit on 100V, 115 and 230V which is very convenient to select without opening the device.

When the PPA is in function, its electrical consumption is of 7W.

Several operational amplifiers are cascaded for the RIAA filtering in the way to be possible to change a component that is not good enough for the precision filter.

The connections between the different cards are made with straight tabs for an easier PCB replacement in case of a problem happens.

The signal connectors are plated with rhodium for the RCA connector and gold for the XLR connectors for best connections between the device and the cables.

In conclusion

The Synfonia PPA is the device you need to integrate your turntable to your audio system with style while keeping a high level of audio performance. Try it and you will be able to note that this device is able to transmit all the feeling potential of emotional music.