



Privilege SACD Player

Technical Specification

Outside

Our philosophy in creating this player 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 colour and highly stable over time. The front panel has a LCD display, 6 buttons, 1 LED indications and opening for trolley CD.

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 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. Moreover, each one is directly soldered on the circuit avoiding imperfection related to the connection by cable. 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.

Inside

We choose the mechanics of reading UMK-5 TEAC Esoteric™. It enables playback CD and SACD. Inside the all design has been place up side down in order to avoid any apparent screw on the products. Nevertheless the mechanics of the Esoterics has been place on the right side by an ingenious structure.

The placement inside has been completely designed to ensure optimum sound reproduction by minimizing the distance between the different parts. Moreover the goal of the Privilege line was to ensure any perturbation of unwanted frequencies. The result of been that constraint with our philosophy has allowed us to improve our performance and our knowledge of pure sounds.

The PCB boards are powered by two precise transformers made by Noratel. We choose to implement two transformers in order to powered separately the CD mechanics due to the high demand on Ampere and in order to provide a stable voltage to the UMK-5 Esoteric for a smooth reading of the signals. The second transformer powered the PCB's, both the Transformers have been closed under aluminum in order to limited the noise and the electromagnetic emissions.

All electronics are synchronized by our module «ultra low jitter master clock» called “Orphee PC2” design in our factory by our team. It’s monitoring of a high precision PLL for synchronizing both the CD mechanism and the remaining electronic components requiring different frequencies. This has for effect to avoid any problems of interpolation of signals and data loss.

The Digital outputs are based on a Orphee CV3, basically the CD and SACD signals are send to the Ophee CV3 in order to be converted in the DSD to PCM Format and then by the same component it will be up sampled at the required frequencies. It is possible to choose the sample frequencies in the front panel menu and by activating the switch “button” at the rear panel. For instance you can find the HD mode ON/OFF which mean you can choose between a 44.1 kHz and 96 kHz or 192 kHz, in other words the customer have the choice of reading the CD signal bit to bit or by up sampling the signal up to 192 kHz for a better quality sound.

The analog outputs are based on a ultra high quality Sigma/delta Digital to analog convert. In each channel are placed a the converter AD 1955 which mean a process in mono configuration . When you are in SACD mode the signal conversion is at his full speed in stereo which mean that we are at the maximum level of signal restitution. In summary when we read a SACD mode the signal is directly converted into Digital to analog without being process in the “Orpheus CV3”, basically by doing this operation we increase the full speed signal quality. In the CD mode the signal is up sampled to 24 bit/384 kHz by being powered by the “Orphee CV3”.

A ticket for the future

This player has a USB audio input enabling the user to use it as a virtual soundcard on PC and MAC. By plugging your cable inside the usb input, you will need to select inside the menu “Audio expansion”. This enable the user to have a fix cable on the items and decide of its utilization. This player is designed to evolve with new technologies as we all know that in the future digital format will take over CD’s. Moreover there is a second USB port which is dedicated to updating the firmware in case of customization or new software.

Sound reproduction feedbacks

SACD sound reproduction is clear ultra at any frequency obtaining a sound image with a transparency surprising. This player is capable to deliver you all the emotions and the colors of every recording on your CD and SACD. During the prototyping stage some Audiophile had the opportunity to discover in premium our new item which was describe as “His aesthetic combined with his sound reproduction makes this player a true piece of art.”

General Features

Teac Esoteric UMK-5

Transformers :

- ⦿ 170VA for the CD mechanic
- ⦿ 75VA for the electronic

Digital outputs :

- ⦿ S/PDIF, AES/EBU and TOSLINK (CD and SACD)
- ⦿ High definition mode OFF: 16Bits/44.1kHz
- ⦿ High definition mode ON : 24Bits/96kHz or 24Bits/192kHz

Analog outputs :

- ⦿ Balanced and Unblanced
- ⦿ Full SACD conversion in stereo
- ⦿ Digital to analog conversion by 2 x AD1955 in monophonic mode “24Bit/384 khz”

Audio Extension (in opt.) :

- ⦿ USB port connection to PC/MAC “Sound Card 24bits @ 96kHz”

USB Port :

- ⦿ Upgrade by USB key

Modules :

- ⦿ Powerlock™ sub pico-second lock master clock “Orphee PC2”
- ⦿ DSD/PCM converter module “Orphee CV3”