

PAGANINI

Upsampling CD/SACD Transport



Our design philosophy behind the Paganini range was to build a system as close as possible in performance to Scarlatti, but more accessible. The same high engineering standards and electronics are common throughout the *dCS* product ranges.

The Paganini range has a similar feature set to Scarlatti with the main differences being in the chassis, transport mechanism and the remote handset. These differences mean little is lost in the resulting musical performance and we think Paganini has a very special kind of magic.

The Paganini range is built to the highest specifications, it features a sleek solid aluminium fascia, thick aluminium casing, all metal buttons and a smooth transport mechanism. The Paganini Transport uses the TEAC Esoteric™ UMK5 mechanism which is solidly constructed and features a metal tray built specially for *dCS*. All signal processing and electronics in the Transport is *dCS*.



Paganini Transport upsamples CD data to DSD and transmits the data over the 1394 interface. SACDs are played in their native DSD format, again over the 1394 interface. Native CD data is available from 4 PCM outputs (2x AES3 and 2x SPDIF), as is down-sampled SACD data.

Paganini Transport is intended to be used with the matching Paganini DAC or with any suitable industry standard DAC. The unit may be run in Master mode or by using the DAC as the system clock. Performance will be enhanced further by adding the Paganini Clock to the system.

All of the Paganini products benefit from our 'soft' approach to programmable logic, which allows new software to be loaded from a *dCS* update disc to add new features and adapt to changes in digital formats.



Technical Specifications

Type	Upsampling CD/SACD Transport.
Colour	Silver or Black.
Mechanism	Dual laser CD/SACD mechanism.
Dimensions	(W) 460mm x (D) 400mm x (H) 110mm (W) 18.0" x (D) 15.8" x (H) 4.4" Allow extra depth for cable connectors.
Weight	11.5kg/25.3lbs.
Digital Outputs	IEEE 1394 interface on 2x 6-way connectors. The interface outputs dCS -encrypted DSD (1 bit data at 2.822MS/s) whether a CD or SACD is playing. 2x AES/EBU on 3-pin male XLR connectors. Each outputs CD format data (16 bits at 44.1kS/s), whether a CD or SACD is playing. 2x SPDIF on 2x RCA Phono connectors. Each outputs CD format data, whether a CD or SACD is playing.
Clocking	Word Clock Input on 1x BNC connector, accepts standard word clock at 44.1kHz. Sensitive to TTL levels. Word Clock Output on 1x BNC connector. With the transport in Master mode, a TTL-compatible 44.1kHz word clock derived from the internal crystal oscillator is available on this output. The calibration accuracy when shipped is +/-10ppm, not temperature compensated.
Software Updates	Updates loaded by CD
Local Control	Starter remote control provided or RS232. Philips Pronto™ programmable remote control is available from dCS and can be programmed to control the Paganini system. Pronto may be programmed further by the owner or installer, to control other products.
Power Supply	Factory set for 100, 115, 220 or 230 V AC, 49 – 62Hz.
Power Consumption	20 Watts typical/ 30 Watts maximum.

Key Features

- Paganini Transport upsamples Red Book CDs to DSD format and plays SACDs in their native format.
- All **dCS** products use a sophisticated multi-mode phase locked loop (PLL), which significantly reduces clock jitter.
- Faster, 100% accurate DSPs (within the bounds of their resolution) give improved filters revealing yet more fine detail.
- Higher capacity FPGAs (Field Programmable Gate Arrays) give more logic capacity and increase the scope for additional features and enhancements.
- Improved power supplies give lower running temperature and increased tolerance to AC supply variations.
- 16-bit micro-controller for a generally improved control system.
- High grade aluminium chassis and laminated acoustic damping panels, reduce magnetic effects and vibration.
- The Paganini range features a low-power LCD display that makes the user interface easier to read, keeps the power requirements down and minimises electrical noise.
- Our 'soft' approach to programmable logic allows **dCS** products to adapt to changes in digital formats and add new features by loading new software from a CD.

About dCS

Since 1987 **dCS** has been at the forefront of digital audio - creating products that are a unique synthesis of exact science and creative imagination. For people who are serious about music, **dCS** audiophile products offer an unrivalled ability to transform digital audio into real music that you can hear, feel and experience.

dCS products are designed and hand built in the UK to deliver a totally unique listening experience. The best materials combined with decades of experience and skilled manufacturing guarantee amazing performance.

Contact dCS

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