

Paganini Transport

Upsampling CD/SACD Transport

dCS
ONLY THE MUSIC



Elegant yet powerful, Paganini is the entry point to the magic of digital separates offering all the functionality needed for the unique experience that is synonymous with *dCS*.

The design philosophy behind the Paganini range was to expand the feature set of the one box Puccini and offer a system that would elevate the musical performance yet further.

The Paganini range is built to the highest specifications featuring 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 are designed in-house by *dCS*.

Paganini Transport upsamples CD data to DSD and transmits DSD data over the IEEE1394 and Dual AES interface. SACDs are played in their native format and also transmitted over IEEE1394 and Dual AES. 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 that allows new software to be loaded from a *dCS* update disc to add new features and adapt to changes in digital formats.

Paganini Transport

Upsampling CD/SACD Transport

TECHNICAL SPECIFICATIONS

Type	Upsampling CD/SACD Transport.
Colour	Silver or Black.
Mechanism	Dual laser CD/SACD mechanism.
Dimensions (WxDxH)	460mm/18.1" x 400mm/15.8" x 110 mm/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 <i>dCS</i> -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. When set to Vivaldi mode, the 2 outputs act as a Dual AES pair, carrying <i>dCS</i> -encrypted DSD data 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	Loaded from CD.
Local Control	<i>dCS</i> Premium Remote control supplied as standard or RS232.
Power Supply	Factory set for 100, 115, 220 or 230V 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 world beating, life-enhancing products that are a unique synthesis of exact science and creative imagination. Each of our award winning product ranges sets the standard within its class for technical excellence and musical performance. As a result our digital playback systems are unrivalled in their ability to make great music.

All *dCS* products are designed and manufactured in the UK using only materials and components that are of the highest quality. A carefully judged balance of our unique heritage and world class engineering ensures there is a rich history of groundbreaking innovation inside every *dCS* system.

CONTACT *dCS*

Data Conversion Systems Ltd

✉ Unit 1
Buckingway Business Park
Swavesey
Cambridgeshire
CB24 4AE
UK

@ info@dcsLtd.co.uk

🌐 www.dcsLtd.co.uk

🐦 dCSonlythemusic

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