PRODUCT DATASHEET

Scarlatti Transport

Upsampling CD/SACD Transport

dCS
ONLY THE MUSIC

Possesses the ability to unravel music like no other digital system – resulting in a performance that is simply stunning.

Scarlatti needs no introduction and since its launch has been the recipient of awards across the world for its extraordinary performance both in terms of objective measurements and the subjective musical experience it offers.

Scarlatti Transport uses the TEAC Esoteric VRDS Neo™ mechanism which provides a brushless motor with heavy flywheel for stable disc rotation and super rigid construction. All signal processing and electronics in the transport has been designed by *dCS*.

Scarlatti Transport features a IEEE 1394 Firewire link which outputs *dCS*-encrypted DSD (1 bit data at the rate of 2.822MS/s) to a *dCS* DAC from CD or SACD. Scarlatti 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 IEEE 1394 interface. Native CD data is available from 7 PCM outputs (2x AES/EBU and 4x SPDIF, 1x SDIF-2), as is down-sampled SACD data.

Scarlatti Transport is intended to be used with the matching Scarlatti 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 Scarlatti Clock to the system.

A new output mode reconfigures the two AES outputs as a dual AES output carrying encrypted DSD data. This mode is compatible with Paganini Scarlatti and Vivaldi DACs.

All of the Scarlatti products benefit from our ‘soft’ approach to programmable logic that allows new software to be loaded from a *dCS* update CD to add new features and adapt to changes in digital formats.

Scarlatti Transport Upsampling CD/SACD Transport

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TECHNICAL SPECIFICATIONS

Type	Upsampling CD/SACD Transport.
Colour	Silver or Black.
Mechanism	Dual laser CD/SACD mechanism (TEAC VRDS NEO™ mechanism).
Dimensions (WxDxH)	513mm/20.2" x 424mm/16.7" x 140mm/5.5". Allow extra depth for cable connectors.
Weight	19.6kg/43.2lbs.
Digital Outputs	IEEE 1394 interface on 2x 6-way connectors. The interface outputs *dCS*-encrypted DSD (1 bit data at 2.822MS/s). 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. The two AES outputs can be configured as a dual AES output carrying encrypted DSD data. 2x SPDIF on 1x RCA Phono and 1x BNC connectors. Each outputs CD format data, whether a CD or SACD is playing. 1x SPDIF optical on a Toslink connector, outputs CD format data, whether a CD or SACD is playing. 1x SDIF-2 interface on 2x BNC connectors, outputs CD format data, whether a CD or SACD is playing.
Clocking	Word Clock input on 1x BNC connector, accepts standard Word Clock at 44.1 or 88.2kHz. 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 via Scarlatti Transport.
Local Control	Nevo Q50™ programmable remote control is supplied with the Transport, programmed to control the Scarlatti system or RS232. Nevo Q50™ may be programmed further by the owner or installer, to control other products.
Power Supply	Factory set for 100, 115, 220 or 230V AC, 49-62Hz.
Power Consumption	25 Watts typical/40 Watts maximum.

KEY FEATURES

- Scarlatti 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.
- Aerospace grade aluminum chassis and laminated acoustic damping panels, reduce magnetic effects and vibration.
- The Scarlatti range features a low-power LCD display that makes the user interface easier to read, keeps the power requirements down and minimizes electrical noise.
- Our 'soft' approach to programmable logic allows *dCS* products to adapt to changes in digital formats and add new features.
- Scarlatti Transport uses TEAC VRDS NEO™ mechanism featuring brushless motor with heavy flywheel for stable disc rotation and super rigid construction.

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.

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