

Decco² - Product Information Sheet

The Peachtree Audio Decco² is four products in one - a high-quality valve-driven pre amplifier, a class A headphone amplifier, a 40 watts per channel amplifier and a very high quality on-board DAC.



The Decco² has a storage port on its rear panel to fit a Sonos wireless zone player (ZP90 shown fitting in to a Nova).

Designed with digital music users in mind, the Decco² from Peachtree Audio brings the very best audio techniques together with digital technology to rival even the most esoteric brands. Whether using digital music systems (Sonos®, Squeezebox®, Apple TV® or i-Tunes) or just playing CD's, the Decco² is designed to make the very most of your music content, no matter how it is stored or accessed.

Digital to Analogue Converter DAC

Featuring the **ESS 9006 Sabre DAC**, the Decco² is capable of **upsampling digital signals to 24/96**. Add to this the ESS Sabre's patented **jitter reduction circuit** (which re-clocks the digital signal to almost 0) and you have a DAC of the quality which is unheard of in a product of this type. Crucial to the quality of the DAC is how it has been implemented into the design. **11 regulated power supplies and transformer-coupling of each digital input stage** eliminates any noise associated with ground and switching power supplies.

Particular attention has also been paid to the **USB input which is galvanically isolated from the computer connection**. This is of major importance as significant noise is generated by a computer's switching power supplies which travels down the ground of the USB cable and manifests itself as a major source of jitter. The Decco² **eliminates this noise before the DAC sees it** leaving just the signal that should be processed available.

For user listening preferences, the Decco² features a **'sharp/slow' digital filter switch** on the rear panel that alters the DAC preferences. This is particularly useful when listening to more compressed music files that can sound edgy compared to high-quality downloads.

The Decco² also features a **'Jitter Bandwidth' (narrow or wide) switch**. Many digital music players and computers stream such heavily jittered signals that DAC's find it difficult to cope with and, in some cases, reject the signal altogether. The wide setting on the Decco² allows for **heavily jittered content to be streamed successfully** and without breaks in the playback.

Pre-amplifier

One of the most important components in any audio system, the Decco²'s pre-amplifier section receives the same critical attention to detail as the rest of the product. Featuring a **Stereo 6N1P triode valve 'Class A' front end**, the pre-amplifier stage has been developed over hours of listening and tweaking to give the best performance possible. Decco²'s input line up includes **2 x analogue line in, 3 x digital in (1 x coax, 1 x optical and 1 x USB)** and has been designed to make the very most of digital signals whilst allowing for connections of traditional analogue sources such as turntables (via an external phono pre-amp), tuners or tape decks.

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For those that require more power than the on-board 40 Watts that come with the Decco², pre-amplifier outputs allow for the connection to an external power amplifier and a 'Line-out' stage so that it **can be used as a switchable stand-alone DAC** that can be added to any existing HiFi or whole-house system.

Class A headphone Pre-amplifier

Making full use of the valve pre-amp stage, the Class A headphone section mutes the speakers when headphones are plugged in to the fascia-mounted socket. Utilising the best components available for the job, the headphone pre-amp stage is a considered amongst the best in the business.

40 Watts per channel power amplifier

The Decco² power amplifier stage uses stereo MOSFET amp modules that, when combined with the valve pre-amplifier, generates a luxurious and articulate sound and is rated at 40 watts per channel (less than 1% distortion into 6 ohms).

The Peachtree Audio Decco² will be available from October 2010 with an SRP of £849.99.

For further information, go to www.peachtreeaudio.com

Decco² Specifications



Pre Amplifier

- Class A Preamp output stage
- <30 Ohms output impedance
- Hybrid valve design using triode (Stereo 6N1P)
- 6.5V output @ 2.0V input
- Polypropylene caps in the signal path
- Switching relays in the signal path
- 2 Aux input
- 3 Digital inputs (all transformer coupled) - 1 x USB
1 x Toslink (optical)
1 x Coax

Headphone Amplifier

- Class A output with 6N1P valve in the circuit
- Suitable for all electro-dynamic headphones
- Frequency response: DC ~ 100 kHz +/- 0.1dB
- Voltage gain: 10dB
- Maximum output voltage: 7Vrms
- Output impedance: <30ohms
- Maximum output power: 100mW into 8 Ohm
300mW into 150 Ohm
150mW into 300 Ohm

Digital to Analogue Converter (DAC)

- 3 digital inputs: 1 x USB, 1 x Coax, 1 x Toslink (optical)
- ESS 9006 Sabre DAC w/patented jitter reduction circuit
- 24/96 upsampling
- 11 regulated power supplies
- Class A output stage (for use as an external DAC)
- Transformer coupled digital Inputs for ground isolation
- Galvanically isolated USB stage
- >118db S/N
- <1 picosecond jitter measured at the Master Clock (Super Clock)

Power Amplifier

- 40 watts per channel <1% distortion into 6 ohms
- Stereo MOSFET amp modules

AC	115v/230v switchable from back panel
Size	130 mm H x 380 mm W x 355 mm D (including volume knob and speaker terminals)
Finishes	Black Gloss
Weight	11.5 Kg

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