

## Nova - Product Information Sheet

The Peachtree Audio Nova is four products in one - a high-quality valve-driven pre amplifier, a 'Class A' headphone amplifier, an 80 watts per channel power amplifier and a very high quality on-board DAC.



The Nova has a storage port on its rear panel to fit a Sonos wireless zone player (ZXP90 shown).

Designed with digital music users in mind, the Nova 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 Nova 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 Nova 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 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 travel down the ground of the USB cable and manifests itself as a major source of jitter. The Nova **eliminates this noise before the DAC sees it** leaving just the signal that should be processed available.

For user listening preferences, the Nova 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 Nova also features 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.

### Pre-amplifier

One of the most important components in any audio system, the Nova's pre-amplifier section receives the same critical attention to detail as the rest of the product. Featuring a **Stereo 6922 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. The Nova's input line up includes **3 x analogue line in, 5 x digital in (2 x coax, 2 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 80 Watts that come with the Nova, pre-amplifier outputs allow for the connection to an external power amplifier. So that it can be **integrated into home theatre systems**, the Nova also has a bypass switch on the rear panel that allows for connection to the front left/right pre-outputs of an AV receiver/processor.

### 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 considered amongst the best in the business.

### 80 Watts per channel power amplifier

The Nova 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 80 watts per channel (less than 1% distortion into 6 ohms).

**The Peachtree Audio Nova will be available from October 2010 with an SRP of £1099.99.**

For further information, go to [www.peachtreeaudio.com](http://www.peachtreeaudio.com)

## Nova Specifications



Shown with Sonos ZP90 fitted (optional)

#### Pre Amplifier

- Class A Preamp output stage
- <30 Ohms output impedance
- Hybrid valve design using triode (Stereo 6922)
- 6.5V output @ 2.0V input
- Polypropylene caps in the signal path
- Switching relays in the signal path
- 3 Aux input
- 5 Digital inputs (all transformer coupled) - 1 x USB  
2 x Toslink (optical)  
2 x Coax

#### Headphone Amplifier

- Class A output with 6922 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)

- 5 digital inputs: 1 x USB, 2 x Coax, 2 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
- >122db S/N
- <1 picosecond jitter measured at the Master Clock (Super Clock)

#### Power Amplifier

- 80 watts per channel <1% distortion into 6 ohms
- Stereo MOSFET amp modules
- Internally wired like Sigma Servo control for better damping

<b>AC</b>	115v/230v switchable from back panel
<b>Size</b>	130 mm H x 380 mm W x 355 mm D (including volume knob and speaker terminals)
<b>Finishes</b>	Black Gloss, Cherry and Rosewood
<b>Weight</b>	11.8 Kg

Peachtree Audio products are distributed in the UK by the Digital Home division of Computers Unlimited, the UK's largest distributor of CE products:

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