

PRODUCT INFORMATION SHEET

Indigo

The Indigo is the very latest in our digital product development specifically designed to be the universal control centre for both digital and analogue sources. It takes our most advanced technology and combines it into one convenient full sized ultimate product. The Indigo is fully featured including a revolutionary digital iPod dock with wireless radio link option. Using the Chord supplied modified iPod Classic (option) a true digital output can be obtained to feed directly into our DAC circuitry. Providing uncompressed music files are used this can at last turn the iPod into a true high end music source. Using the supplied adapter digital music can also be streamed wirelessly via digital radio link from a modified iPod anywhere in a room allowing for more useful and convenient control from your armchair. For unmodified iPods we are providing a standard high quality A2DP radio dongle and this links directly to the Indigo's A2DP receiver.



The digital heart of the Indigo uses the latest generation of field programmable gate array devices (FPGA) as found in the QBD76. The FPGA handles the switching of SPDIF inputs, all digital SPDIF decoding, digital PLL, RAM buffer controller, WTA filtering, and the 5th generation Pulse Array DAC. The improvements to the Pulse Array DAC have been further complimented with improved power supply design and layout giving the very best digital to analogue conversion. (A separate White paper is available for further information of this amazing technology.)

Digital inputs include SPDIF, AES, optical, USB, iPod and of course our latest developments with Bluetooth audio. Using our custom designed Bluetooth receiver we have been able to extract the digital audio information and input this directly into our DAC technology. Unlike the low quality audio seen from other Bluetooth devices this gives us much better performance and enables CD like transfer of music from the Bluetooth device. Using your A2DP equipped mobile phone or computer you can connect wirelessly to the Indigo.

As well as supporting digital connectivity the conveniently situated iPod dock features the standard analogue connection and charging for use with any iPod. If you have the USB input connected to a personal computer then you can also sync and transfer music to the connected iPod. There is an inbuilt USB hub with two additional front panel connectors so that further devices can be connected to your computer via the Indigo.

An analogue input is provided for non digital sources via balanced XLR or RCA phono connectors and there are both direct line level and volume controlled analogue outputs. Using the line level output AV Bypass is possible.

Headphone connectivity is available with a low distortion, low noise headphone output jack socket easily accessible on the front panel.

Control is via the front panel or remote control and the large front panel display gives clear indication of settings and digital frequencies.

The Indigo is fully featured with ground breaking technology to give the very best sound performance from any connected device.

NEW

APRIL'09

Product Specification

HARMONIC DISTORTION	< -103 dB (1kHz, 24-Bit @ 44.1KHz Sample Frequency) < -110dB (100Hz, 24-Bit @ 44.1KHz Sample Frequency)
SIGNAL TO NOISE RATIO	> 120dB
CHANNEL SEPARATION	> 125dB @ 1KHz
DYNAMIC RANGE	120dB
SWITCHABLE DIGITAL INPUTS	2 x 75Ω SP/DIF BNC Coax 2 x AES Balanced XLR Input 2 x Plastic fibre optic (TOSlink) 1 x USB (B type) 1 x Bluetooth supporting A2DP Stereo Audio 1 x Digital iPod Dock input 1 x Wireless iPod digital input
SWITCHABLE ANALOGUE INPUTS	1 x RCA/XLR stereo analogue input 1 x Analogue iPod Dock input
ANALOGUE OUTPUTS	Stereo RCA Phono and balanced XLR Line Level Direct Outputs Stereo RCA Phono and balanced XLR Volume Control Outputs
HEADPHONE OUTPUT	1 x ¼" headphone jack socket
USB HUB (rear USB input must be connected to PC)	2 x Front panel USB sockets 1 x iPod dock sync
RAM BUFFER	3 Settings – off, minimum & maximum
PHASE SWITCH	2 Settings – Positive or Negative output phase
SAMPLE FREQUENCIES	32KHz – 96KHz Single Cable, 176KHz & 192KHz Dual Cable (Dual data mode)
LINE LEVEL OUTPUT	6V rms. Balanced. 3V rms. unbalanced
OUTPUT IMPEDANCE	75Ω (short circuit protected)
DIMENSIONS IN MM	420mm x 355mm x 88mm (Width x Height x Depth)
POWER CONSUMPTION	30W
OPERATING VOLTAGE	85 – 270V AC (50-60Hz) auto switching
WEIGHT	12 Kg



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