

Key features

- High performance proprietary FPGA-based digital decoding without digital filter
- Galvanic and magnetic isolations between the FPGA and the four branches of the R2R ladder converter
- Jitter free digital interface *AQlink PRO* (I2S protocol), uncompromising digital connection to La Diva cd transport
- Discrete R2R ladder DACs with low noise precision resistors
- Zero S/PDIF Jitter design, digital receiver stage PLL (phase locked loop) technology
- High-performance AQ Discrete Regulator (MOSFET, J-FET, BJT) for analog and digital DAC's power supply
- 2 separate low noise C-Core power transformers, one for the analog and one for the digital section
- MODULAR DESIGN with upgradeable multi board platform
- Transformer-based true balanced audio output stage
- Proprietary USB Firmware / driver :
Apple MAC OS - Linux OS : USB asynchronous native support, no need to install drivers software
- Fully upgradeable asynchronous USB high-speed module with resolution up to 24 bit and 384 KHz, operates with computers running OSX 10.7 and above, WINDOWS XP, 7, 8 and 10 ASIO bit perfect
- Digital phase selector on front panel
- High-quality parts selected for sound quality:
 - Tantalum, solid-polymer OS-CON and double-metalized MJP capacitors
 - low noise Metal Foil ultra-precision resistors
 - double metallized film pulse capacitor
 - ultra-fast diodes
 - halogen free cables
- Aluminium anti-resonant cabinet with Nextel
- RC5 IR remote controller (optional)
- Designed and handmade in Italy

Performance characteristics

Native Sample Rates Supported	AQlink / I2S serial bus - USB PC Audio : 24 bit / 384 KHz S/PDIF - AES/EBU : 24 bit / 192 KHz
Asynchronous USB (High Speed)	USB Type B
Digital Receiver	PLL (phase locked loop) technology 128 or 256 FS selectable
AQlink (I2S bus)	LVC MOS level
Digital to analog conversion type	Proprietary Optologic DAC
Oversampling factor	1x
Analog Conversion method	Pure R2R ladder - FPGA (Field Programmable Gate Arrays) based digital decoding without digital filter
Digital inputs	- RJ45 AQlink (I2S serial bus) - 24 bit / 384 KHz - BNC coax (S/PDIF) 75 ohm - 24 bit / 192 KHz - USB port - 24 bit / 384 KHz Modular input: - AES/EBU balanced 110 ohm - 24 bit / 192 KHz - RCA coax (S/PDIF) 75 ohm - 24 bit / 192 KHz - AT&T (ST Fiber) - 24 bit / 192 KHz - Optical TOSLINK - 24 bit / 96 KHz
Analogue Outputs	UNBAL 2 RCA Output 2.4 V RMS BALANCED (passive transformer's symmetrical) 2 XLR Output : 3.8V RMS
Output Impedance	10 Ω RCA - 600 Ω XLR
Load Impedance	10 k Ω (min.) RCA - 600 Ω XLR
Frequency Response	20Hz to 22kHz +0.5dB/-0.5dB
THD + N	<0,016% 1KHz -10dB
Main processor	STM-ARM microcontroller
Control connectors	RS-232 D-SUB 9-pin connector
Front Panel	Power, phase invert, mute, input switch, RC5 remote sensor
Power Consumption	100-115V / 220-240V; 50 or 60Hz - 82VA
Dimensions	(W x D x H) 450 x 380 x 100 mm
Weight	9 kg
Front finish	Satin Alu Silver or Satin Black
Case finish	Grey Nextel powder coated

Handcrafted in Italy



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AQ TECHNOLOGIES S.r.l.

www.aquahifi.com

info@aquahifi.com