



uPhono+

Multifunctional Phono Preamplifier

Description

uPhono+ is a multifunctional MM/MC phono preamplifier featuring high resolution A/D processing and conversion, three digital outputs and a high-current headphone stage.



uPhono+ Analogue Features

- Moving Magnet (MM) stage gain: 38dB @ 1kHz
- Moving Coil (MC) stage gain 58dB or 69dB @ 1kHz selectable with dip-switches
- MM cartridge input with 4 loading capacitor values (100/200/320/420pF) selectable with dip-switches
- MC cartridge input with 7 loading resistor values (5/10/25/100/250/500/1kOhm) selectable with dipswitches
- Fixed level analogue output
- Variable level analogue output: level varied with front panel volume control
- High-current headphone stage: can be used with headphones from 16 to 600 ohms impedance
- Subsonic IEC anti-rumble filter with override dip-switch
- Optimized PCB layout and widespread use of SMD componentry to minimize the length of the signal path
- Alps® «Blue Velvet» potentiometer that simultaneously adjusts the volume of the headphone stage and the level of the variable output
- Low noise internal mains power supply with totally independent analogue and digital power supplies



uPhono+ Digital Features

- USB 24bit/96kHz max. sample rate to record your vinyl discs on PC and save them in high-resolution formats
- Toslink (96kHz) digital optical output
- S/PDIF (96kHz) digital coaxial output
- A/D conversion carried out using the Cirrus Logic CS5341 IC
- USB asynchronous trasmission using the Bravo SA9137 IC
- Digital optical and coaxial transmission using the TI DIT4096 IC



Technical specifications AuPhono+



Analogue Inputs	Moving magnet cartridge (MM) / High output moving coil (MC)	
	Low and ultra-low moving coil cartridge (MC)	
Analogue Outputs	Fixed level analogue output	
	Variable level analogue output	
	Headphones (16-600Ω): ¼ inch (6.35mm) stereo jack socket	
Digital Outputs	USB B-type for connection to a PC (up to 24bit/96kHz)	
	Optical Digital	
	Coaxial Digital	
Input Impedance	MM	47kΩ + 100/200/320/420pF
	MC	5/10/25/100/250/500/1kΩ + 1nF
System Gain at 1kHz	MM	38dB
	MC	58dB / 69dB selectable
Nominal output level	316mVRMS (-10dBV)	
Input sensitivity for nominal output level	MM	3.36mV _{RMS}
	MC (58dB)	0.336mV _{RMS}
	MC (69dB)	0.1mV _{RMS}
Signal/Noise Ratio	MM	-80dB
	MC (58dB)	-64dB
	MC (69dB)	-60dB
RIAA curve accuracy	+/- 0.3dB from 20Hz to 30kHz	
IEC anti-rumble filter	-3dB at 20Hz and 6dB/octave	
Overload margin (headroom)	30dB	
THD+N at 1kHz	MM	0.018% (10mV _{RMS} in)
	MC (58dB)	0.12% (1mV _{RMS} in)
	MC (69dB)	0.12% (1mV _{RMS} in)
Line output impedance	Fixed	824Ω
	Variable	824Ω
Headphone stage	Output level	2.18V _{RMS} Max
	THD+N	0.07% (1kHz /32Ω)
USB A/D	Resolution	16/24 bit
	Sample rates	8, 16, 32, 44.1, 48, 88.2, 96kHz
Coaxial digital output	0.5Vp-p a 75Ω / 96kHz max.	
Mains voltage	220-240V AC or 100-120V AC according to the country of use	
Power	6.6W	
Dimensions (H x W x D)	82.5 x 216mm x 251mm (3.25 x 8.5 x 9.9 inches) including feet, connectors and knobs	
Weight	2.6Kg (lbs)	







CAUTION

Risk of electric shock - do not open No user serviceable parts inside Refer all servicing to qualified personnel

Coaxial Optical USB

Handcrafted in Italy by A.r.i.a. Srl





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Registered Office: Via E. Barone 4, 31030 Dosson di Casier (TV), Italy www.unisonresearch.com

Printed in Italy April 2019