



uPhono+

Multifunctional Phono Preamp

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 (20/50/100/150/250/500/1kOhm) selectable with dip-switches
- 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 transmission using the Bravo SA9137 IC
- Digital optical and coaxial transmission using the TI DIT4096 IC

Technical specifications uPhono+



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 MC	47kΩ+100/200/320/420pF 20/50/100/150/250/500/1kΩ+1nF
System Gain at 1kHz	MM MC	38dB 58dB / 69dB selectable
Nominal output level	316mVRMS (-10dBV)	
Input sensitivity for nominal output level	MM MC (58dB) MC (69dB)	3.36mV _{RMS} 0.336mV _{RMS} 0.1mV _{RMS}
Signal/Noise Ratio	MM MC (58dB) MC (69dB)	-80dB -64dB -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 MC (58dB) MC (69dB)	0.018% (10mV _{RMS} in) 0.12% (1mV _{RMS} in) 0.12% (1mV _{RMS} in)
Line output impedance	Fixed Variable	824Ω 824Ω
Headphone stage	Output level THD+N	2.18V _{RMS} Max 0.07% (1kHz /32Ω)
USB A/D	Resolution Sample rates	16/24 bit 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)	

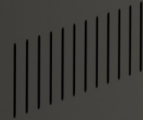




uPhono+ D

Headphones

Volume







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All information herein is subject to change without notice.

Printed in Italy July 2019