

### Features

- Audiophile A/D converter
- Flexible Phono preamp powered by Digital Signal Processor (DSP)
- IR remote control

- Hardware . XMOS UAC2 USB interface
- SPDIF & TOSLINK outputs for computerless digitization Multiple DSP phono Equalization
- Preset to store configurations 123dB SNR / -117dB THD+N

### **USB Audio Recording**

- Convenient Plug&Play solution Sample rates from 44.1~192 kHz

- Flexible A/D conversion

The miniDSP ADept is a compact high-resolution A/D (analog-to-digital) convertor that accepts single-ended (RCA) or balanced (on XLR) audio signals. The digital output is available on SPDIF coaxial and TOSLINK optical connectors, and can also be recorded to a computer or mobile device via the USB-C connector. Adept combines low latency, high sample rate and extremely low noise floor performance to provide optimal digitization of your favorite analog audio content.

The miniDSP ADept is also a phono preamp (with a turntable connected to the RCA inputs) with accurate phono equalization for moving magnet or moving coil cartridges. In addition to the standard RIAA phono equalization curves, we've used the power of DSP to provide additional curves that will be of interest to the keen collector of older vinyl. A range of input gain, resistance and capacitance values are provided to optimize for any cartridge and can easily be saved and recalled in your favorite preset.

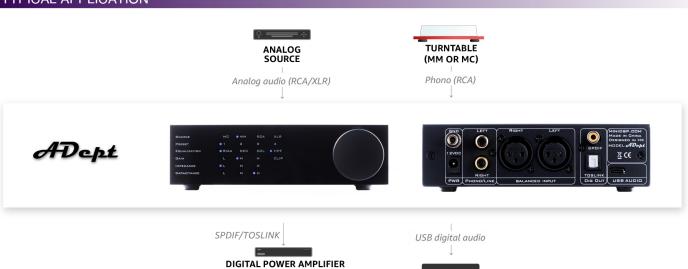
miniDSP once again innovates with audiophile performance in a package that doesn't break the bank.



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COMPUTER

## **TYPICAL APPLICATION**



LOUDSPEAKERS





## TECHNICAL SPECIFICATIONS

	Description			
USB & DSP Audio Processor	XMOS Multicore processor, USB Asynchronous, UAC2 interface, Firmware upgradable			
ADC resolution/Sample rate	ESS ES9842 Pro - 32 bit/44.1~192kHz			
USB Audio support	UAC2 Audio - Custom ASIO driver (Windows) / Driverless on (Mac/Linux/Android/IoS)			
Digital Audio Output Connectivity	1 x USB audio (PCM) on USB type C 1 x SPDIF on RCA connector, 1 x OPTICAL on Toslink connector Supported sample rates: 44.1 ~ 192 kHz			
Input/Output configuration	2 x channel analog in (Unbalanced RCA or Balanced XLR), 2 x channel digital out			
Filtering Technology / Presets	IIR / Up to 4 presets			
Dimensions	150x180x41 mm			
Accessories	IR Remote for control of source/volume/preset/standby			
Power Supply	Included external switching PSU 12V/1.6A (US/UK/EU/AU plugs)			
Power Consumption	6 W (idle) / 0.9 W (standby)			

# AUDIO SPECIFICATIONS

Input Source	Moving Coil (MC)/RCA	Moving Magnet(MM)/RCA	Line-in/RCA	Line-in/XLR	
Selectable Phono Equalization mode (IIR+FIR)	RIAA, IEC No.98 (500R-13.7) Decca 33.3, London M33 (500C-12) Columbia LP M33 (500C-16)		N/A	N/A	
Phono EQ Accuracy (RIAA, Decca and Columbia)	Within ± 0.1 dB (20 Hz - 2	0 kHz)			
Optional High Pass Filter (Subsonic filter)	At 20 Hz with 24 dB/octave				
Maximum analog input (before digital gain & RIAA EQ if applicable, at Low, Medium, High Gain)	81mV, 29mV, 12mV	220mV, 110mV, 68mV	N/A, 2.2 V, 1.1 V	N/A, 4.4 V, 2.2 V	
Maximum recommended cartridge output @1kHz, 5cm/sec (Low, Medium, High Gain)	4.2mV, 1.5mV, 0.6mV	13mV, 6.5mV, 4mV	N/A	N/A	
Selectable Input Impedance (Low, Medium, High)	50 Ω, 100 Ω, 1 kΩ	33 kΩ, 50 kΩ, 100 kΩ	33 kΩ, 50 kΩ, 100 kΩ	Fixed at 200 kΩ	
Selectable Input Capacitance (Low, Medium, High)	1 nF, 3 nF, 5 nF	50 pF, 100 pF, 500 pF	50 pF, 100 pF, 500 pF	Fixed at 100 pF	
Frequency Response	20 Hz - 20 kHz ± 0.2 dB	20 Hz - 20 kHz ± 0.1 dB	20 Hz - 20 kHz ± 0.05 dB		
SNR vs Low(L), Medium(M), High(H) gain setting	84 dB(A) ref @ 2mV (L) 79 dB(A) ref @ 1mV (M)	With RIAA EQ 95 dB(A) ref @ 10mV (L) 90 dB(A) ref @ 5 mV (M) 87 dB(A) ref @ 2.5 mV (H)	122 dB(A) at med gain 120 dB(A) at high gain	123 dB(A) at med gain 122 dB(A) at high gain	
THD+N vs Low(L), Medium(M), High (H) gain setting	_	-83 dB (0.007 %) ref @(M)	-116 dB (0.00017 %) at med gain -115 dB (0.0002 %) at high gain	-117 dB (0.00015 %) at med gain -116 dB (0.00017 %) at high gain	
Crosstalk	-85 dB	-100 dB	-132 dB	-138 dB	

