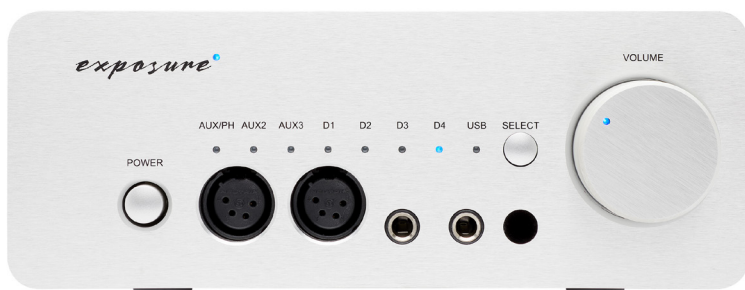


# The Art of Music Reproduction



## XM HP Headphone Amplifier

### Headphone Output

Output Impedance :	<5 Ohms
Maximum Level into 33 Ohms Load :	@ 1kHz & 0.01% THD : 7V RMS (1.5W)
Total Harmonic Distortion :	@ 2V output, 1kHz : <0.003% (120mW)
Maximum Level into 330 Ohms :	@ 1kHz & 0.01% THD : 7.5V RMS (170mW)
Total Harmonic Distortion :	@ 2V output, 1kHz : <0.003% (12mW)
Load Impedance Total All Outputs :	16 Ohms minimum

### Analogue Inputs

Pre-Amplifier Output (Input Sensitivity / Impedance / S/N):	
AUX/PH Input MM :	2.5mV @ 1kHz, 47K Ohms S/N > 73dB
Frequency Response :	+/-0.5dB 50Hz-20kHz. High pass roll off -1.5dB @ 20Hz
AUX 2 & AUX 3 Input Line :	350mV @ 1kHz > 14K Ohms output gain X3.75, +11.5dB
Total Harmonic Distortion :	<0.005% at 1kHz : @ 1.3V RMS output
Frequency Response :	20Hz - 20kHz +/- 0.5dB
Signal to Noise Ratio :	ref 1.3V RMS Output : 1kHz : >92dB
Channel Separation @ 20kHz :	>60dB

### Digital Inputs

SPDIF Inputs BNC Coax & Optical :	32 - 192kHz @ 16-24 bits
Total Harmonic Distortion :	<0.005% at 1kHz @ 1.3V RMS output
Signal to Noise Ratio :	ref 1.3V RMS Output : 1kHz : >98dB
USB Input :	Linear PCM 44K1 - 192kHz @ 16-24 bits DSD x64 (DoP) Asynchronous transfer from host

### General

Mains Supply :	110/120V or 220/240V @ 50/60Hz (factory set)
Fuse :	T2AL for 110/120V units T1AL for 220/240V units
Power Consumption :	<15W
Dimensions (HxWxD) :	89mm x 218mm x 363mm
Net Weight :	4kg
Gross Weight :	5kg

### Features

- Custom-made toroidal power transformer
- High quality all aluminium casework and extruded front panel
- High quality resistors & capacitors used in the signal path
- All discrete audio output stage with high drive capability for low impedance headphones
- 2 pairs of 6.35mm jacks and 2 pairs of XLR sockets, allowing 2 pairs of headphones to be used at one time
- Moving magnet phono and two line level inputs
- Two coax (bnc) and two optical inputs and one class 2 USB input with DSD
- Separate pre-amp output
- Remote control
- Three year guarantee
- Available in black or titanium

