

## NEW PRODUCT

# HP-A4BL D/A CONVERTER & HEADPHONE AMPLIFIER



### MAIN FEATURES

- \* Equipped with 4-pin XLR balanced output
- \* Newly developed audio-grade capacitor is adopted
- \* Highly precise crystal with low phase noise is adopted
- \* Playback 24bit/192kHz PCM and 11.2MHz DSD audio
- \* High performance DAC (Barrbrown PCM1792A) is equipped
- \* Asynchronous transfer up to 192kHz/24bit compatible with USB Audio 2.0
- \* HI/LO Gain selection (10dB) for wider selection of headphones
- \* Digital Filter selecting Roll-Off characteristics and Cut-off frequencies



### SPECIFICATION

#### <Inputs>

[USB] terminal  
Interface :USB 2.0 Hi Speed  
Sampling Frequencies :PCM 44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz DSD 2.8MHz, 5.6MHz, 11.2MHz  
Quantization :16bit, 24bit  
[Digital In] terminal  
Connector :Optical, Square  
Format :S/PDIF  
Sampling Frequencies :44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz  
Quantization :16bit, 24bit

#### <Outputs>

[PHONES BALANCED] terminal  
Connector :XLR (4-pin)  
Maximum output :300mW or more (32 ohm)  
Load impedance :16 - 600 ohm  
THD :less than 0.04% (at 1kHz)  
Frequency Response :20Hz - 80kHz (+-3dB, 32 ohm, 100mW)

[PHONE UNBALANCED] terminal  
Connector :1/4" stereo jack  
Maximum output :300mW or more (32 ohm)  
Applicable load impedance :16 - 600 ohm  
THD :less than 0.04% (at 1kHz)  
Frequency Response :20Hz - 80kHz (+-3dB, 32 ohm, 100mW)

[OUTPUT] (L,R) terminal (Analog output)  
Connector :RCA Pin  
Reference output level :2Vrms (0 dBFS)  
Applicable load impedance :less than 10k ohm  
THD :less than 0.01% (at 1kHz)  
Frequency Response :20Hz - 80kHz (+-3dB)

[DIGITAL OUT] terminal  
Connector :Optical (square)  
Format :S/PDF  
Sampling Frequencies :44.1kHz, 48kHz, 88.2kHz, 96kHz, 176.4kHz, 192kHz  
Quantization :16, 24bit

#### <General>

[microSD] card slot (for firmware upgrade only)  
Format : FAT32  
Compatible card : microSD card (SDHC), up to 32GB  
Accessories : Rubber foot (x4), USB cable, Manual, AC adapter  
Power supply :DC12V  
Measurements :150(W) x 34(H) x 157(D)mm including protrusion  
Weight :approx. 630g

