

Headphone Amplifiers Comparison Chart

	230HAD	430HA
Configuration	Single-ended	Fully Balanced Differential
Type of Amplification	Transconductance	Transconductance
Input Impedance	22,000Ω	22,000Ω
Single-ended inputs (RCA)	1	2
Balanced inputs (XLR)	n/a	1
Mini-jack input	1 (1/8")	1 (1/8")
Selectable Gain	n/a	14dB and 20dB
Defeatable Crossfeed Circuit	n/a	●
Single-ended Headphone Outputs	1 x 1/4" Stereo TRS	1 x 1/4" Stereo TRS
Balanced Headphone Outputs	n/a	1 x 4-Pin / 2 x 3-Pin
Single-ended line-level outputs (RCA)	1 x Fixed / 1 x Variable	1 x Fixed / 1 x Variable
Output Power @ 600Ω / 300Ω / 50Ω	100mW / 200mW / 1W	667mW / 1.33W / 8W
Output Impedance	1.25Ω	1.25Ω
S/N Ratio @ full output	115dB	120dB
THD @ 1kHz, 0dBFS	0.005%	0.005%
Intermodulation Distortion	0.005%	0.005%
Digital-to-Analog Converter (DAC)	●	Optional
Digital Inputs	S/PDIF x2 USB x1 Toslink x1	S/PDIF x2 USB x1 Toslink x1
DSD Decoding (via USB only)	DSD64, DSD128 & DSD256	DSD64, DSD128 & DSD256
PCM Decoding (352.8 & 384kHz via USB only)	16-32 bits / 44.1-384kHz	16-32 bits / 44.1-384kHz
Remote Control	CRM-3	CRM-3
12V Trigger Output	n/a	1
RS-232 Port	n/a	●
Infra-Red (IR) Input	n/a	●
SimLink	n/a	●
Weight	6.2 lb / 2.8 kg	17 lb / 7.5 kg
Dimensions (W" x H" x D")	7.0 x 3.0 x 11.0	16.9 x 3.5 x 13.8