



Superlux HA3D is a portable, stereo headphone amplifier designed for demanding and critical audio monitoring. This audiophile-quality headphone amp is ideal for adding headphone feeds for portable, studio and audio enthusiast applications.

The HA3D provides 3 independent headphone feeds from balanced or unbalanced line sources. Each headphone output is controlled by the associated level control, equipped with independent peak LED, and 1/4-inch output connector. With its extended bandwidth and high current/voltage drive capability the HA3D can drive headphones of various impedances to high levels with very low distortion; important for monitoring in high SPL environments. It can be powered from two-AA batteries or an external DC supply.

Features

- 3 independent headphone outputs with individual volume controls
- Frequency response from 10 Hz to 50 kHz
- ≥ 120 dB dynamic range
- High power outputs easily drive headphones to high volume levels with very low distortion
- Individual peak indicators show overload of each headphone feed.
- Master Stereo / Mono switch
- LED Battery life indicator, powered by 2 AA alkaline batteries, (10+ hours with Alkaline batteries with nominal drive levels), or an adapter with 5-17V DC output, (not supplied)
- 2 balanced XLR line level inputs plus 1 unbalanced 1/4-inch or 1/8-inch stereo inputs
- Loop output to connect additional HA3D's in series for extra headphone outputs
- Sturdy Aluminum alloy housing with strap slots on side panels for easy mounting or wearing

Specifications

Frequency Response	10 Hz-50 kHz, ± 1.0 dB, any input to any output, gain control set to 50%
Voltage Gain	(Gain, Loop, Out Headphone output) Bal. Line, -3dB, 34dB; HP Input, -1dB, 35dB
Output Clipping Level	+18dBu minimum with 600 Ω load / +16dBu minimum with 300 Ω load
Headphone Output impedance	200 Ω
Input Clipping Level	XLR: +24 dBu
Dynamic Range	≥ 120 dB (Balanced line inputs)
THD + Noise	0.03% maximum (from 10 Hz-22k Hz @ +10 dBu input and output level, 300 ohm load, 10 Hz-22k Hz filter bandwidth)
Input Impedance	XLR-Balanced - 22k ohm, 1/4" & 1/8" Unbalanced - 9.1k ohm Note: only one set of inputs (balanced or unbalanced) should be connected at a time
Loop Output	Unbalanced, 200 Ω output impedance
Internal Voltage Rails	± 15 V, regulated
Operating Temperature	32°-160°F
Dimensions (with foot pads)	1.69"×3.7"×5.51"
Weight	1.24 pounds