

HA 4V-R



4Ch Headphone Amplifier (Remotable)



Main Features

- ▶ The HA 4V-R is a 4-in 4-out solid state headphone amplifier, designed to drive simultaneously 4 headphones with very different impedance.
- ▶ The 4 high efficiency amplifiers gives the HA 4V-R the possibility to drive high impedance headphones with the equivalent output voltage of a much bigger power amplifier, plus it provides way more current for low impedance phones than any other amp on the market.
- ▶ Each one of the four outputs has its own independent amplifier, each with its own output level control.
- ▶ The level of each one of the four outputs can also be adjusted via a very fine 267 steps digital VCA control, just by connecting a common linear pot. to the specific port placed on the backpanel.
- ▶ The status of the VCA (Max>Min \Min>Max) can be also reversed via a backpanel dip-switch
- ▶ The unit is managed via a programmable central Microcontroller, whose FW can be updated in the future, to add so new features or

custom configurations.

- ▶ Input 1 can be summed independently with input 2, 3 or 4 just via a backpanel dip-switch setting, this way you'll avoid hardware and unreliable cable parallels.
- ▶ Each combined channel can be identified via a yellow LED placed on front panel.
- ▶ Status LED placed right at the center frontpanel can provide feedback about: power, signal presence, CH1 summing, and peak.
- ▶ Four layer PCB for better grounding layout, it reduces noise and components encumbrance, even on such a highly populated unit as the HA 4V-R.
- ▶ Suitable for recording and studio monitoring, broadcastig, point-of-sale, museum media displays, interactive kiosks, educational AV learning, group music listening, presentations and Podcasting.
- ▶ Fully integrated high-current dual std. (115-230VAC) PSU, provides better Audio performance and reliability (no external dongles or wall plug device needed).
- ▶ Half single 19" rack unit fully compatible with the InOut RM30 and FP30 rack accessories.



Rear Panel (input/output)

215 mm (Half rack unit)

- ① VCA Remote Control (Stereo)
- ② VCA Inverted Switches
- ③ Ch1 Summing
- ④ Unbalanced Line Input



Technical Characteristics

Output Level: 17.3 V @ 600Ω = 500 mW 10.2 V @ 50Ω = 2100 mW

Output impedance: 160Ω

Output Connectors: 4 x 1/4" stereo jack

Input Impedance: 10 kilohms (transformer-free)

Maximum Input Level: +18 dBu

Input sensitivity: -22dBu

Input connector: cinch RCA (stereo L-R)

Signal to Noise Ratio: 96 dB

Dynamic range: > 122 dB (A-wtd)

THD+Noise: .001%

Frequency Response: 20 Hz to 20 kHz, ±1dB

VCA control: 0-10Vdc (reversible) on Poenix barrier strip

AC Mains Supply: 110 / 230 Vac ±10% 60/50Hz / 25 VA

Size: 44mm (H) x 215mm (W) x 158mm (D)

Case: Half single 19" rack metal cabinet, fully compatible with the InOut RM30 and FP30 rack accessories

Weight: 1.02Kg

Color: Custom InOut dark blue