

Audioarts HS-1 Headphone Station



The AUDIOARTS HS-1 is a compact analog headphone amplifier (2-3/4 x 3-1/8") with stereo 1/4" phone output jack, power indicator and rotary level control. It comes complete with a 9VDC power supply, and is designed for either countertop use or undercounter mount with an optional bracket.

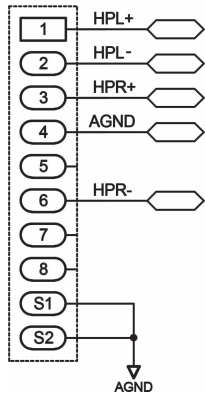


UNDERCOUNTER BRACKET: This optional bracket secures the HS-1 underneath a countertop using four screws. A mounting template with dimensions and recommended hardware callout is included in the box.





WIRING is through three rear connectors: twin parallel input RJ45s that follow standard Studio Hub analog audio pinouts (below right), and a 9VDC input jack for the provided power supply (below left). Note the **center pin** on the power supply is *negative*. The parallel inputs allow for easy daisy-chaining of a common source signal to multiple HS-1 units.



OUTPUT CAPABILITIES: The HS-1 amplifier can drive voltage hungry Hi-Z headphones to +20dBu. Lo-Z headphones are easily driven properly with an output current of 65mA.



AN INTERNAL GAIN SWITCH allows you to match different input source levels. To access, remove the unit's two front panel screws using a 1.5mm hex wrench and push the rear connectors in from the back; the circuit card will slide forward out the front. Turn the unit over to view the switch. The factory default setting is LO gain; the HI setting is for situations requiring additional gain. *Be aware that excessive volume settings can permanently damage your hearing!* (see left, OUTPUT CAPABILITIES)

HS-1 SPECIFICATIONS

GAIN: +5dB default setting, +14dB HI setting

DISTORTION:

THD+N .003%

IMD .005%

SMPTE DIN .001%

NOISE: -95dBu 20KHz BW, unweighted

MAXIMUM OUTPUT:

voltage +20dBu

power 180mW

current 65mA

MAXIMUM INPUT LEVEL: +26dBu

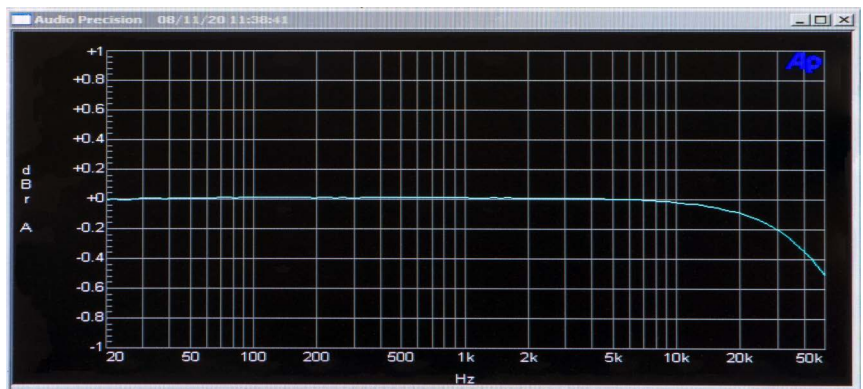
DYNAMIC RANGE: 115dB

CMRR: 80dB

WEIGHT: 4oz/113g

DIMENSIONS: 2.75"/6.98cm wide, 0.95"/2.41cm high, 3.125"/7.94cm deep (rotary knob adds 0.625"/1.59cm)

UNDERCOUNTER BRACKET: 3.9"/9.91cm wide, 2"/5.08cm deep, 0.97"/2.46cm high



Frequency response is virtually flat (-1/10dB @20KHz)