

The Whirlwind HATT-AES is an active headphone amplifier that converts a digital AES3 stream into a high fidelity, low distortion stereo headphone signal optimized for modern 32 Ohm headphones. Sample rates from 32 kHz to 192 KHz are recognized by the HATT-AES D/A converters. Features include an analog 3.5mm TRS stereo input jack, analog signal present LEDs, and a buffered AES loop-thru output. The headphone output can also be used as an unbalanced stereo line driver.

The HATT-AES is powered by an included model #PS6 “wall wart” supply. Both ¼” TRS and 3.5mm TRS headphone jacks are provided and the volume control adjusts the listening level. The HATT-AES is housed in an attractive, durable ABS box for placement anywhere a high quality headphone driver is required.

HATT AES

TABLE TOP HEADPHONE AMP
WITH AES INPUT

whirlwind



whirlwind

99 Ling Road Rochester, NY 14612 · Ph. 585 663-8820 Fax 585 865-8930 · sales@whirlwindusa.com
www.whirlwindusa.com

The single volume control adjusts the level delivered to both left and right earpieces. The PWR LED indicates operational status, the LOCK LED shows connection with a valid AES3 stream (32 kHz to 192 KHz sample rates) and the CHA and CHB LEDs display analog audio presence at the output of the D/A converters. Although ¼" TRS and 3.5mm TRS headphone jacks are included for convenience, *only one jack should be used at a time.*

A 3.5mm stereo TRS jack is provided for injection of unbalanced stereo signals. The AES3 input is a female XLR. Both AES3 digital and 3.5mm analog inputs can be used together if required. The AES thru XLR male jack provides a buffered, latency free, output of the input signal for daisy-chaining several units together with the same AES3 stream. The 2.1mm power input jack is for connection to the model #PS6 6 Volt DC power supply.

Frequency Response +/- .8 dB 20 Hz to 20 kHz (30 Ohm load)
+/- .2 dB 20 Hz to 16 kHz (10 kOhm load)

THD+noise < .05% 20 Hz to 20 kHz (30 Ohm load)
< .004% 20 Hz to 20 kHz (10 kOhm load)

Input Impedance 100 kOhms AES
10 kOhms analog

Headphone Impedance 32 Ohms recommended

Power requirements 6 VDC @ 300mA (#PS6 included)

Short circuit protection Withstands shorted output at full level indefinitely



Noise at unity gain < -98 dBV

Maximum output level +4 dBV

Maximum Input level +0 dBfs (5 Vpp) AES
+3 dBV analog

This product is guaranteed for 2 years from the date of purchase against manufacturing defects. For warranty service, return the unit, along with the original sales receipt, to: whirlwind, 99 Ling Road, Rochester, NY 14612, postage prepaid. We will repair or replace the unit at our option and pay the return postage.