

STUDIO *H*AVOC Power Amplifier

User's Manual

Finkbiner Industries LLC

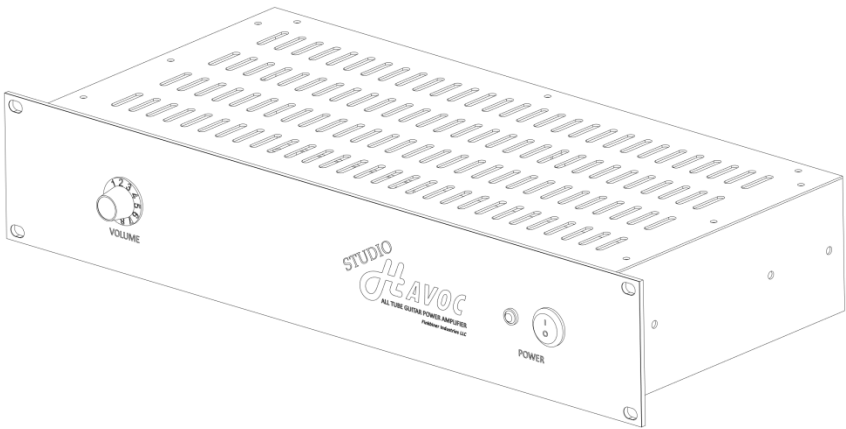


Table of Contents

- WARNINGS 3
 - RISK OF ELECTRICAL SHOCK 3
 - SERVICE AND SUPPORT 3
 - ALLOW ADEQUATE VENTILATION 3
 - RISK OF DAMAGE 3
- OVERVIEW 4
- FEATURES 4
- FRONT PANEL 5
- REAR PANEL 5
- SPECIFICATIONS 7
- WARRANTY 8
 - Warranty Coverage 8
 - Items Not Covered 8
 - How to obtain warranty service 8
 - Satisfaction Guarantee 8

WARNINGS

RISK OF ELECTRICAL SHOCK

Do not open cover, risk of electrical shock inside.



To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids should not be placed on this apparatus. To prevent the risk of fire hazard, replace with same type 250 volt fuse.

SERVICE AND SUPPORT

For service or support, contact:

Support@HavocAmps.com

ALLOW ADEQUATE VENTILATION

Do not block the vents on top of the apparatus. Provide adequate ventilation to prevent overheating.

RISK OF DAMAGE

Do not power on your *STUDIO* **HAVOC** power amplifier without first plugging in an 8Ω speaker cabinet; damage to your amplifier will otherwise result.

OVERVIEW

Congratulations on your purchase of a *STUDIO* **HAVOC** power amplifier, hand-built and hand-wired by Finkbiner Industries LLC in the USA. The *STUDIO* **HAVOC** power amplifier features one 12AY7 tube and two EL84 power tubes (Class AB push-pull) with 10 watts of output power, a *VOLUME* control to tame the volume, and an 8Ω speaker level output for connecting to your choice of 8Ω speaker cabinet.

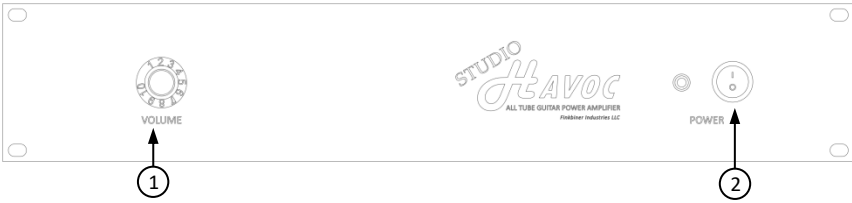
The *STUDIO* **HAVOC** power amplifier is perfectly sized for use in small rooms, apartments, recording studios; anywhere that volume needs to be manageable with uncompromised tone.

For best results, we of course recommend driving your new *STUDIO* **HAVOC** power amplifier with a **HAVOC** preamplifier. They are, after all, designed for each other.

FEATURES

- Flat frequency response in the guitar range preserves the tone that has been crafted in a preamplifier
- Low noise design and layout
- Line level input
- *VOLUME* control
- 8Ω speaker level output
- 10 watts of all tube Class AB push-pull power
- Cathode biased power tubes makes for easy power tube replacement; no bias adjustment necessary

FRONT PANEL



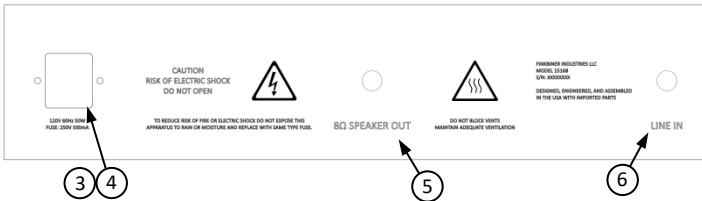
1. VOLUME

The *STUDIO HAVOC* power amplifier has a single volume control for fine tuning the power sent to the speaker. Use in conjunction with the level control from your input device.

2. POWER

It turns it on when you want to rock, and turns it off when you are finished.

REAR PANEL



3. POWER

Plug the included IEC power cable in here, and plug the other end into a grounded 120 VAC outlet. Be sure to use a properly grounded outlet. Do NOT remove the ground pin from the power cord, due to shock hazard.

4. FUSE

The power cord receptacle contains a fuse for protection. Only replace the fuse when the power cord has been disconnected, and only with like specifications (see SPECIFICATIONS on page 7). If your amplifier is blowing fuses, send it in for service (see SERVICE AND SUPPORT on page 3). Do NOT replace with a larger current rating fuse.

5. SPEAKER OUT

Accepts a 1/4" TS connector, and sends a speaker level signal to an 8Ω speaker cabinet. Be sure to use an appropriately sized speaker cable (16 AWG is fairly standard for typical cable lengths of ten feet or less to 8Ω speakers), NOT a guitar cable.

6. LINE IN (UNBALANCED)

The *STUDIO* **HAVOC** power amplifier has a single high(-ish) impedance (100 KΩ) input for use with line level signals from a **HAVOC** preamplifier, stomp box, mixer, or other device. The input jack accepts a standard 1/4" TS guitar cable.

SPECIFICATIONS

- MODEL: 15168
- INPUT IMPEDANCE: 100 K Ω
- OUTPUT POWER: 10 watts
- REQUIRED SPEAKER IMPEDANCE: 8 Ω
- POWER CONSUMPTION: < 50 watts 60 Hz, 120 VAC
- FUSE: 5x20mm, 250V, 0.50 amp, ceramic, slow blow
- DIMENSIONS: 19" x 8" x 3.5"
- WEIGHT: 8 lbs
- TUBES: (1) 12AY7, (2) EL84

WARRANTY

Warranty Coverage

This warranty covers defects in material and workmanship in **HAVOC** amplifiers purchased in the USA for a period of one year from the date of original purchase. The warranty begins on the date of purchase. Finkbiner Industries LLC will repair or replace, at its discretion, the defective product.

Items Not Covered

The warranty does not cover:

1. Damage caused by accident, abuse, modification, misuse, neglect or occurring during shipment.
2. Damage caused by service or repair performed by persons not authorized by Finkbiner Industries LLC.
3. Products not purchased from an authorized **HAVOC** amplifiers dealer.
4. Products on which the serial numbers have been removed, defaced, or altered.

How to obtain warranty service

Contact support@HavocAmps.com to arrange for warranty service. Include a copy of your sales receipt.

Satisfaction Guarantee

If you are not satisfied with your **HAVOC** amplifier for any reason, contact support@HavocAmps.com within 30 days of the original date of purchase to return the product for a full refund of the purchase price, less shipping costs. The product must be in original, undamaged condition.