



## **HIWATT AMPLIFICATION LIMITED WARRANTY**

HIWATT amplifiers are warranted against defects in materials and workmanship for five (5) full years from the date of purchase with the exception of footswitches, patch cords, tubes, transformers and meters; these are warranted for 90 days from date of purchase. This warranty is to the original purchaser only and may not be transferred. While under warranty, all replacement parts and labor will be provided without charge. This warranty does not cover damage caused by misuse, accident, neglect or normal wear and tear. Determination of such damage shall be by HIWATT Amplification exclusively. The warranty will be void if repairs have been attempted or performed by anyone other than HIWATT Amplification.

To validate the warranty, the Warranty Registration Card must be completed and returned to HIWATT Amplification within ten (10) days of retail purchase.

Should your HIWATT product require service, you must contact either the HIWATT dealer you purchased it from or HIWATT Amplification directly, and the need for return will be determined and authorized. Products returned to HIWATT Amplification require a Return Authorization Number (RA#) on the outside of the carton. Products needing warranty repair must be returned securely packed to HIWATT Amplification and must be accompanied by a copy of the original sales receipt. All transportation charges are the responsibility of the purchaser.

HIWATT Amplification reserves the right to repair or replace defective units. In the event a duplicate part or product is no longer available, HIWATT Amplification will replace the product with one of equal, or greater value at the sole discretion of HIWATT Amplification.

HIWATT Amplification is not responsible for any incidental or consequential damages resulting from any defect or failure of the product other than the repair or replacement of the product under the terms of this warranty. This limited warranty gives you specific legal rights which vary from state to state and is in lieu of any and all other warranties either expressed or implied except as may otherwise be required by law.

## **HIGH GAIN SERIES - NEW TECHNOLOGY, SAME ETHOS**

At last, the long-awaited series, everything today's guitarist needs still with that awesome Hiwatt class and distinction. Best of both worlds, vintage and modern, in one enclosure.

### **HI-GAIN 100 & 50 HEADS**

Clean channel (CH1) is the exact circuitry as used in our Custom amplifiers. Push-pull bright/normal switch offers same dual channel principle of Custom 100 and 50 models. Channel 2 (CH2) dials the biggest sounding distortion with awesome bottom end for all your drop tuning requirements. Optional foot-switch controls channel switching.

### **HI-GAIN 100 & 50 SER HEADS**

Same features as HIGH GAIN 100 & 50, but with Accutronics reverb, fx loop, and amplifier mute (so you can use the pre-amp on it's own through the specially-designed speaker emulation circuitry). Just take a look at the rear of this amp for the features available. Use two double foot-switches (available separately), one foot-switch controls the mute and channel switching, the other controls reverb and fx loop (on/off) Total control and versatility together with vintage tone and completely modern features.

### **HI-GAIN 50 & SER COMBOS**

Exact circuitry and features as HIGH-GAIN 50 and HI-GAIN 50 SER heads, joined by a pair of 12" specially designed 75W speakers.

### **HI-GAIN 4x12 CABINET**

Solid and tight-sounding enclosure hosting four 12" specially designed 75W speakers. Features comfortable side handles for easy transportation.

## **BEFORE OPERATING THIS EQUIPMENT**

**CAUTION:** Extremely high voltages exist in this amplifier and there are no user serviceable parts. For maintenance or in the unlikely event of a repair being required, refer to HIWATT Amplification only. **DO NOT OPERATE THE AMPLIFIER WITH ANY OF THE COVERS REMOVED.**

**WARNING:** EXPOSURE TO HIGH SOUND VOLUME MAY CAUSE PERMANENT HEARING DAMAGE.

1. Check that the voltage selector is set to the correct wall voltage.
2. Always use an earthed supply.
3. Always connect a loudspeaker system of the correct impedance (4,8 or 16 Ohms) and set the impedance selector to that value prior to switching on the amplifier. Use only correct two-core loudspeaker cables terminated with mono jack plugs. Use of co-axial leads like guitar leads will invalidate the warranty and may damage the amplifier. In common with all valve amplifiers, it is vital that the amplifier is not operated into an open circuit.
4. Check that the correct fuses are fitted in the fuse holders on the rear panel.
5. Before switching the amplifier on ensure that the standby switch is in the off position.

## **OPERATION**

- Dual channel configuration is suitable for guitar or bass amplification, with passive or active pickups.
- With the CH1 VOLUME full you may find that some high gain pickups and active systems will give a distorted signal.
- Tone Volume section may include Bass, Treble and Middle EQ controls for tone shaping, and Presence control accentuates overall high and mid frequencies.
- The tone controls operate on either channel and the presence control allows an extremely bright and aggressive sound to be selected at the upper end of the setting. Experienced HIWATT users will confirm that this was always the case with the old heads.
- Master Volume Control sets the amount of effective output of power tubes.
- Although CH1, just like HIWATT classic amplifiers, is primarily designed for clean sounds, may be overdriven with any external effect device to offer many other possibilities. HIWATT amplifiers will always be considered as optimal canvases to create new sounds with the aid of external devices, such as effect processors or other instruments.

## **DO's and DON'T's**

- DO keep amplifier away from children.
- DO unplug amplifier from socket if danger of lightning exists.
- DO switch off all electric equipment before making connections.
- DO avoid direct contact with tubes shortly after amplifier has been turned off.
- DO always use the standby switch when switching on the amplifier. Switching on an amplifier with EL34 output valves without using the standby could seriously reduce the valve life. Allow the amplifier to warm up for two minutes before switching the standby on. The standby can also be used as a mute, for tuning or a quick string change.
- DO always check the voltage and impedance settings especially when touring or in a studio setting.
- DO remove AC mains socket if amplifier will be stored for long period of time.
- DO have the output tubes replaced regularly and use only matched sets of EL34's. The output valves affect the sound of the amplifier and different players like different tubes. An average set of quality valves should last for approximately 2000 hours of use, about 5 hours a day for a year. This is the maximum period for a premium original sound. Always disconnect the amplifier from the mains and allow the valves, all of which run very hot, to cool prior to replacing them.
- As for the preamp valves we recommend that they are kept in until they cause trouble. Symptoms of this are noise, popping and microphone squeals or rattles through the loudspeaker.
- DON'T disconnect a loudspeaker lead at the loudspeaker end if the amplifier is still operating (The single situation most likely to cause damage to a valve amplifier is driving it into an open circuit).
- DON'T attempt to repair or modify a HIWATT product yourself. Only factory repairs are acceptable in warranty claims, HIWATT Amplification exclusively relinquishes all responsibility for any unit modified or misused in any way.
- DON'T cover the amplifier or block the air vents.
- DON'T place drinks on top of the amplifier or allow any liquid to fall in it.
- DON'T store the amplifier in damp or dusty conditions, direct sunlight or extremely high temperatures.

## **CLEANING**

- Do not attempt to clean any part of the amplifier when it is switched on.
- The vinyl may be cleaned with a damp (not wet) cloth or brush.
- The chassis and front panel may be wiped with a moistened cloth with water and mild detergent or an alcohol based cleaner and then dried.
- Do not use silicone based polishes or solvents as benzene or paint thinner to clean the unit.

FOR MORE INFORMATION AND OTHER HIWATT PRODUCTS PLEASE VISIT  
**[WWW.HIWATT.COM](http://WWW.HIWATT.COM)**

## HIWATT Amplification Warranty Registration

Complete, insert in an envelope and mail us this form  
within 10 days of purchase to activate warranty.  
You will receive the official HIWATT Newsletter every month!

Model# \_\_\_\_\_  
Serial# \_\_\_\_\_  
Store Purchased From \_\_\_\_\_ Price \$ \_\_\_\_\_  
Check One: Purchased \_\_\_ Gift \_\_\_  
Date Purchased \_\_\_\_\_  
Name \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Phone \_\_\_\_\_ Age \_\_\_\_\_  
E-mail \_\_\_\_\_ Annual Income \$ \_\_\_\_\_  
How did you find out about HIWATT?  
Internet \_\_\_ Friend \_\_\_ Teacher \_\_\_ Salesperson \_\_\_  
Musicians \_\_\_ Magazine \_\_\_ Catalog \_\_\_ Other \_\_\_\_\_  
What made you purchase this product?  
Appearance \_\_\_ Price \_\_\_ Sound \_\_\_ Features \_\_\_  
Recommendation \_\_\_ Artist who plays it \_\_\_\_\_  
What additional features would you like? \_\_\_\_\_  
How much would you be willing to pay for these features? \$ \_\_\_\_\_  
Which magazines do you read regularly? \_\_\_\_\_  
Who are your favorite musicians or groups? \_\_\_\_\_  
What other amps and guitars do you own? \_\_\_\_\_  
Comments \_\_\_\_\_



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Visit the official HIWATT website for products, news and info:

**[www.HIWATT.com](http://www.HIWATT.com)**