

HIWATTTM

OWNERS MANUAL

**THIS MANUAL COVERS MODEL NUMBER
DR103**

Distributed Worldwide by HIWATT Amplification International

Distributed in the United States by HIWATT Amplification USA

Manufactured in England by the Audio Brothers

INTRODUCTION

These amp heads are as exact a replica as possible of the **HIWATT™** DR103's that were built in the early seventies under the ownership of Dave Reeves.

A look inside the amplifier will reveal point to point hand wiring, turret tag boards (no printed circuits), and hand laced wiring harnesses. The circuit diagram at the back of this manual will confirm that Dave Reeves original circuit has been very closely adhered to, the 1975 version to be precise. The power transformers and output transformers are manufactured by Partridge, the original 1970's supplier, to the original design sheets. The components and wires are the modern available equivalents of the vintage components, 1 Watt carbon resistors, and wound polyester capacitors being used throughout.

Because the components are modern and English valve manufacturers no longer exist there are slight unavoidable differences in the absolute electrical and sound qualities of this design. In measurement terms your **HIWATT™** head is however as close to the original as it is possible to build and the sound will not disappoint even the most discerning **HIWATT™** enthusiast. This amplifier has been handbuilt by people who care, and we trust that it will give you much pleasure over many years.

HIWATT AMPLIFICATION INTERNATIONAL

BEFORE OPERATING THIS EQUIPMENT:

YOUR SAFETY IS PARAMOUNT: 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 YOUR NEAREST **HIWATT™ DEALER. DO NOT OPERATE THE AMPLIFIER WITH ANY OF THE COVERS REMOVED.**

1. Check that the voltage selector is set to the correct wall voltage.
Note: Users in the United States may wish to measure the actual wall voltage before choosing between 100V and 117.5V as supplies can vary quite dramatically.
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 fuseholders on the rear panel (See the specification sheet at the end of this manual for the correct fuse ratings for your model).
5. Before switching the amplifier on ensure that the standby switch is in the off position.

OPERATION

The DR103 heads are suitable for guitar or bass amplification, with passive or active pickups. Although these heads are primarily designed for clean sounds they may be overdriven with any competently designed effector to give other sounds. With the NORMAL VOL or BRILL VOL full on you may find that some high gain pickups and active systems will give a distorted signal. The upper input on each channel will give the cleaner sound.

The tone controls operate on either input 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. All the inputs may be used

