



# Elite

Power Amplifier

## User Manual

### **Models Covered**

Single Ended Mk 1 (3 Box)

## Introduction

Congratulations on your purchase of the new “Elite 845” amplifier from Audion.

Your Audion Amplifier is the result of nearly 20 years exhaustive research and development culminating in our current world class product. The chassis is made of aluminium designed to minimise magnetic interference and reduce internal noise to an absolute minimum. All our amplifiers are hand built using only the finest components available.

## Warranty

All of our products carry a 2 (two) year worldwide parts and labour warranty (less delivery charges). All valves/tubes are guaranteed for a period of 6 (six) months. This does not affect your statutory rights.

## Getting Started

Upon opening your 2 boxes you will find:

1. Audion Amplifier x 2 Mono-blocks
2. Audion Phase Corrected Power Supply Unit
3. Power cord
4. This User Manual
5. Product Registration and Warranty form
6. Valves/tubes

Please keep all packaging and store in a dry and safe place.

Carefully remove your Audion Amplifier from its packaging and store both the box and the foam in a safe place, should, in the unlikely event that you ever need to return your Audion to us for maintenance, upgrading or servicing. The packaging has been specifically designed to protect your amplifier.

Before attempting to connect your Audion please read carefully and understand thoroughly the contents of this manual. Keep this manual near you when installing your Audion so it is handy for reference.

This manual is designed to assist both novice and experienced persons in achieving satisfaction from your Audion. It describes the features and operation.

### Please Note.

As with any electrical product extreme caution should be exercised. Do not place your Audion in direct sunlight. There are no user serviceable parts inside. The valves/tubes run **HOT** in normal operation, under no circumstance during operation should they be touched. If it becomes necessary to replace a valve/tube please allow at least 20 minutes from switching off for the unit to cool. The amps take approx. 40 seconds to switch on to prevent damaging the 845 cathodes, you may hear a faint click sound this is quite normal.

## Valves/Tubes

You will now need to place the valves/tubes into your Audions. The Elite uses a 6922 in the left hand side front and an E182CC in the right hand side front and an 845 in the larger rear socket.

In use they can run as hot as a light bulb – *SO BE CAREFUL.*

The smaller 6922 and E182CC valve/tubes will only fit one way around into its respective socket. Before inserting check that the pins are straight and that there is no physical damage to the glass envelope. A small downward push is all that is needed to insert the valve/tube make sure that the pins align and that the orientation is correct.

The larger rear valve/tube 845 will only fit in one way around – please note the position of the locating tab on the side of the metal outer and locate this to the valve/tube holder. A small downward push and a twist are required to insert correctly. Do not use excessive force.

All Audion valve/tubes are dynamically selected and where applicable are supplied as matched pairs. All are supplied with a six (6) month return to base warranty.

## Please Note

Inserting the valve/tubes the wrong way around will at the very least damage the valve base pins and may result in a loose valve causing crackling.

**WARNING** – Do not attempt to remove or replace valves/tubes whilst your Audion is in operation, as by so doing you could destroy the amplifiers circuitry – risk electrical shock to yourself and invalidate your Audion's warranty.

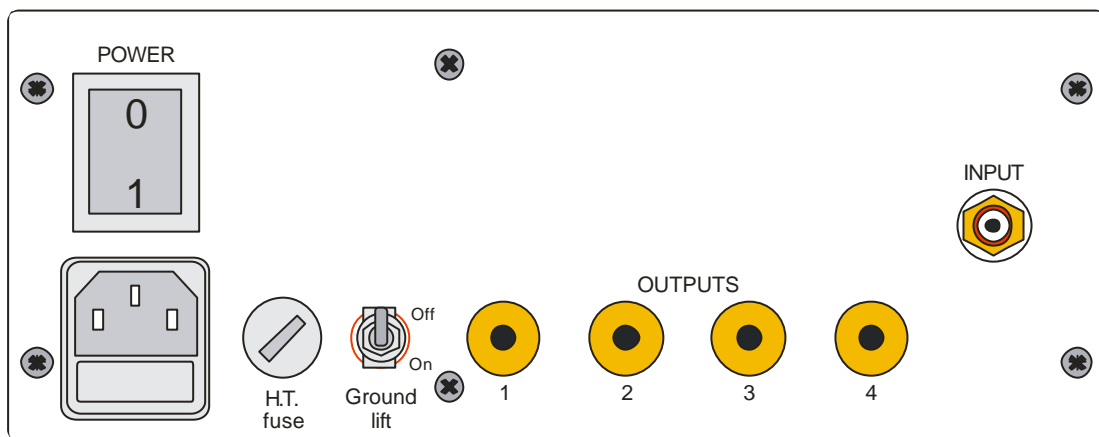
## Installation

### Positioning Your Audion

You will probably have in mind the location to place your Audion but remember, valves/tubes get warm and need a good circulation of air.

### Connecting

Your Audion is supplied with a power cord for your country of operation. However we recommend connecting your input and loudspeaker cables prior to connecting the power cord.



Audion Elite Mono-block Amplifier Rear Panel

First connect an audio input lead to the input RCA connector on each of your mono-blocks. Left channel to your left Mono-block and Right channel to your right Mono-block.

Next, connect the loudspeaker cables to your Audions. Your loudspeaker cables should be of a suitable quality and connect to the corresponding red/black binding posts of the loudspeaker. To achieve the best from your Audion we recommend that your loudspeakers have an efficiency of 89 db or higher.

Your Mono-block Amplifiers come with an 8 and a 4 ohm output. Marked 0, 0, 4, & 8. The 8 ohm tap is positioned on the outside right when viewed from rear and the 4 ohm tap is next to the black from the left. The ground lift switch is used to effectively reduce a ground feedback loop and hence noise from some installations. Finally connect the power cord to a mains electricity supply.

Before proceeding – Are all the connections fitted correctly and securely tightened?

Finally Check again – make sure everything is correct.

## Using your Audion

Congratulations you are now ready to switch your Audion on. But first we recommend turning the volume control on the front panel anti-clockwise to zero. On the rear panel locate the on/off button. Push the button downwards to position 1; this has now turned your Audion on. You will notice if everything has been installed correctly that your valves/tubes are starting to glow, your Audion is now “Warming up”. We recommend that an initial few minutes is allowed for the warm up process to take place. A valve/tube will change its audio characteristics slightly once it has reached its nominal operating temperature.

Select your sound source, CD, record, etc. and play. Once your source has started playing adjust the volume control to your required level.

In general use your Audion should give many years of trouble free use. The anodised aluminium chassis should be wiped regularly with a clean lint free cloth to remove dust. Under no circumstances should solvent or solvent based products be used on or near your Audion.

Please remember to fill in and return your warranty registration form to us at the address at the end of this manual.

Enjoy your Audion.

## Technical Specifications

### Single Ended - Each Mono-block

Power: 25 Watts Class A into 8 Ohms at 230V AC	Load: 4 & 8 Ohm
Distortion @ 1Watt: <0.1% No Feedback	Frequency Response: 13 – 34 KHz $\pm$ 3 db
Sensitivity: Variable <200 mV Full output	Noise: < (CCIR) – 90 db
Consumption: 240 Watts	Tubes: 1 x 845, 1 x 6922, 1 x E182CC

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