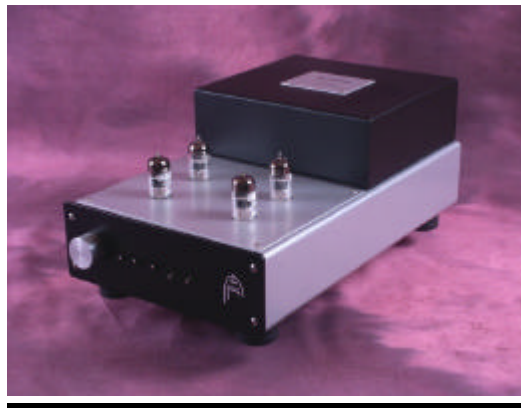




# Premier

## Pre-Amplifiers



## User Manual

### **Models Covered**

Phono Stage MM

Head Amplifier MC

Line Pre-Amplifier + Remote Version

Line / Phono MM Pre-Amplifier + Remote Version

Line / Phono MM Plus + Remote Version

## Introduction

Congratulations on your purchase of the World acclaimed "Premier" pre-amplifier range 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 anodised 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 offering the highest quality.

Our new look for all of our Pre-Amp range represents our guarantee to you of quality.

## 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 box you will find:

1. Audion Pre-Amplifier
2. Power cord
3. This User Manual
4. Product Registration and Warranty form
5. Valves/tubes

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

Carefully remove the 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.

## Valves/Tubes

You will now need to place the valves/tubes into your Audion. The Phono & MC Stage uses 2 x 6922/E88CC in the left and Right hand side front. The Line level pre-amplifier uses 2 x 6922/E88CC in all the sockets. The Line / Phono uses 4 x 6922 in all the sockets, and finally the Line / Phono Plus (2 box) uses 4 x 6922 in the pre-amplifier and none in the separate power supply.

If you have never handled a valve/tube before be careful – they are similar in properties to a light bulb and just as easily breakable. In use they can run as hot as a light bulb – *SO BE CAREFUL*.

The smaller E88CC or 6922 valve/tube 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. 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 a crackling sound.

**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.

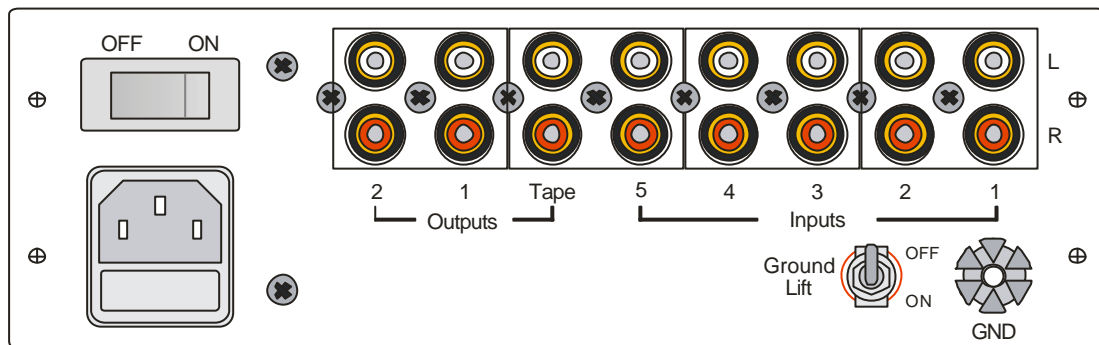
## Installation

### 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

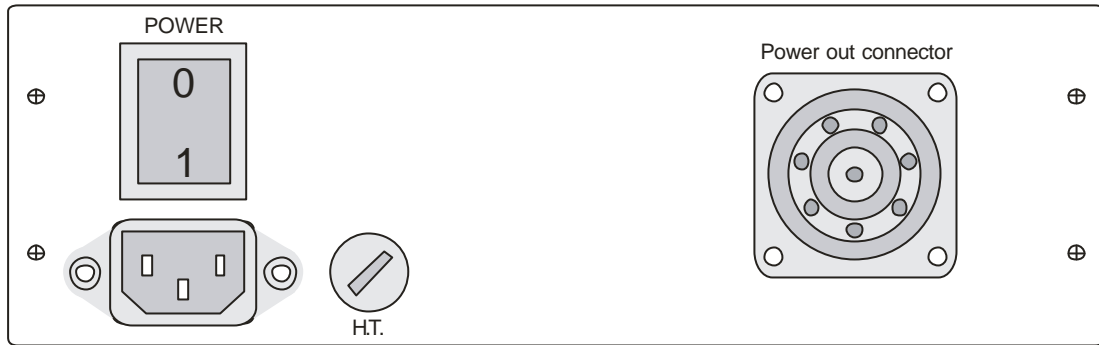
Your Audion is supplied with a power cord for your country of operation. However we recommend connecting your input and output cables prior to connecting the power cord.



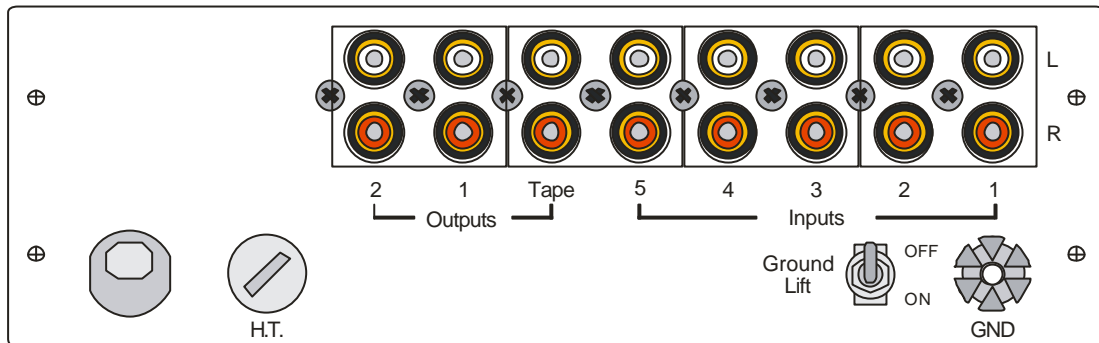
Audion Premier Pre-Amplifier Rear Panel Layout



Audion Premier Phono stage & Head Amplifier Rear Panel



Audion Quattro/Head Amp & 2 Box Power Supply Rear Panel



Audion Premier Line / Phono Plus Pre-amplifier Rear Panel

First connect audio input leads to the input RCA connectors. 1 being for the best line level input on the basic model or for the Line/Phono models 1.0 & 2.0, 1 is the MM input. 2-5 is then used for line level inputs. Connect all audio input leads. The top white sockets are for the Left input(s) the bottom red sockets are for the Right channel(s). Start from Input 1 then work through to input 5 not forgetting the earthing cable from the turntable

Next, connect the output cables from your Audion Pre-Amplifier to your Audion Power Amplifier. For all models the left and right channels are marked by red/black colouring and also their names ie left, right etc. Your connection cables should be of a suitable quality and connect to the corresponding red/black RCA connectors of your source equipment. The output cables should connect between your Premier and the corresponding red/black RCA connectors of your power amplifier. For best results we recommend the use of an Audion Power Amplifier, and Audion Electron or Proton Interconnect cables

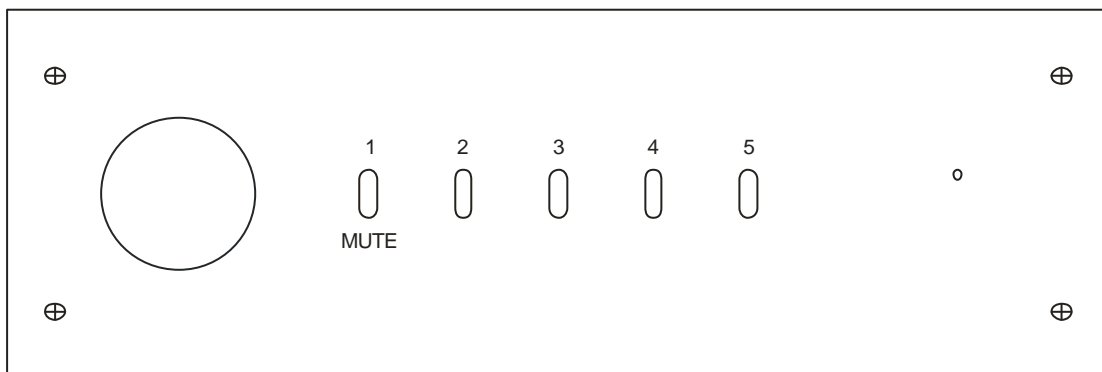
The ground lift switch is used to effectively reduce a ground feedback loop and hence noise from some installations. Finally connect the power cord to a mains electricity supply. Before proceeding – Are all the connections fitted correctly and securely tightened?

### Using your Audion

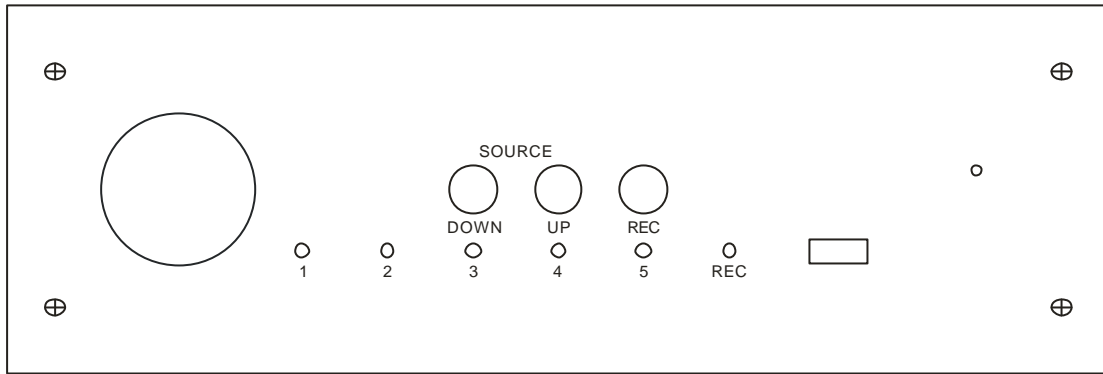
Congratulations you are now ready to switch your Audion on. But first we recommend turning the volume control on the front panel anti-clockwise to zero. On the rear panel locate the on/off button. Push the button downwards to position 1, this has now turned your Audion on. You will notice if everything 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.

On the Standard models, the five switches correspond to the five inputs on the rear and can be switched in and out accordingly.



Audion Premier Pre-Amplifier Front Panel



Audion Premier Pre-Amplifier Remote Front Panel

The remote model has three buttons – Up, Down and Record. The up and down buttons change inputs from 1 to 5 and the Record button allows recording via RCA pair No. 6.

The input marked 1 is optimised and should be utilised for your primary source be it CD or external phono stage. The input marked 5 conveniently placed next to the tape out is for tape input which can either be accessed by selecting No. 5 or by using the tape monitor switch. The other inputs are all at line level and can be used for any line level source. All models with the exception of the Phono Stage have two (2) pairs of output RCA type connectors which are provided for the use of bi-amping. The tape output will output un-attenuated line level signals as selected with the selector switches. The selection of inputs is quite simply achieved on the front panel by switching down the corresponding toggle switch. It should be noted that the tape monitor circuitry should be set to line for normal operation and that any switch to the left of another will take overriding priority.

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.



Have you tried Audion cables.. We have power, loudspeaker and interconnects. They are available in two ranges, The Electron, real high end, totally transparent for the discerning listener and the Proton range for the discerning listener on a budget. Visit our website for up to the minute information. We also highly recommend our MC head amplifier, designed for low output MC cartridges. It is totally transformerless designed for speed and accuracy – this is a cut down version of our world class Quattro pre-amplifier.

## Technical Specifications

### Phono Stage MM

Sensitivity Ref – 0dbV 2.0mV MM  
 Distortion @ 1V <0.015% No Feedback  
 Frequency Response: 11 – 185KHz  $\pm$ 1 db RIAA  
 Inputs: 2 x 1 Phono MM  
 Consumption: 12 Watts

Phase - Correct Gain: 46db  
 Noise (CCIR) <80 db  
 Signal to Noise: >70 db  
 Outputs: 2 x 1 Main Out  
 Tubes: 2 x 6922 or E88CC

### Head Amplifier MC

Sensitivity Ref – 0dbV 0.4mV  
 Distortion @ 1V <0.010% No Feedback  
 Frequency Response: 10 – 205KHz  $\pm$ 1 db RIAA  
 Inputs: 2 x 1 Phono  
 Consumption: 12 Watts

Phase - Correct Gain 63db  
 Noise (CCIR) <80 db  
 Signal to Noise: >70 db  
 Outputs: 2 x 1 Main Out  
 Tubes: 2 x 6922 or E88CC

### Line Pre-Amplifier

Sensitivity Variable >1,1V Line  
 Distortion @ 1V <0.010% No Feedback  
 Frequency Response: 11 – 165KHz  $\pm$ 1 db RIAA  
 Inputs: 4 Line Level, 1 x tape  
 Consumption: 12 Watts

Phase - Correct  
 Noise (CCIR) <100 db  
 Signal to Noise: >70 db  
 Outputs: 2 Main Out, 1 tape  
 Tubes: 2 x 6922

### Line Pre-Amplifier Remote Control

Sensitivity Variable >1,1V Line  
 Distortion @ 1V <0.010% No Feedback  
 Frequency Response: 11 – 165KHz  $\pm$ 1 db RIAA  
 Inputs: 4 Line Level, 1 x tape  
 Consumption: 12 Watts

Phase - Correct  
 Noise (CCIR) <100 db  
 Signal to Noise: >70 db  
 Outputs: 2 Main Out, 1 tape  
 Tubes: 2 x 6922

### Line / Phono Pre-Amplifier

Sensitivity Variable >1.1V Line, 2 mV Phono  
 Distortion @ 1V <0.010% No Feedback  
 Frequency Response: 11 – 165KHz  $\pm$ 1 db RIAA  
 Inputs: 3 Line Level, 1 x tape, 1 x Phono  
 Consumption: 12 Watts

Phase - Correct Gain: 46db  
 Noise (CCIR) <100db <80db Phono  
 Signal to Noise: >70 db  
 Outputs: 2 Main Out, 1 tape  
 Tubes: 4 x 6922

## Line / Phono Pre-Amplifier Remote Control

Sensitivity Variable >1.1V Line, 2 mV Phono  
Distortion @ 1V <0.010% No Feedback  
Frequency Response: 11 – 185KHz  $\pm$ 1 db RIAA  
Inputs: 3 Line Level, 1 x tape, 1 x Phono  
Consumption: 12 Watts

Phase - Correct Gain: 46db  
Noise (CCIR) <100db <80db Phono  
Signal to Noise: >70 db  
Outputs: 2 Main Out, 1 tape  
Tubes: 4 x 6922

## Line / Phono Plus Pre-Amplifier 2 - Box

Active Power Supply – on board regulation  
Sensitivity Variable >1.1V Line, 2 mV Phono  
Distortion @ 1V <0.010% No Feedback  
Frequency Response: 11 – 185KHz  $\pm$ 1 db RIAA  
Inputs: 3 Line Level, 1 x tape, 1 x Phono  
Consumption: 12 Watts

Impedance: 47K / 254 Ohms  
Phase - Correct  
Noise (CCIR) <100db <80db Phono  
Signal to Noise: >70 db  
Outputs: 2 Main Out, 1 tape  
Tubes: 4 x 6922

## Line / Phono Plus Pre-Amplifier Remote Control 2 - Box

Active Power Supply – on board regulation  
Sensitivity Variable >1.1V Line, 2 mV Phono  
Distortion @ 1V <0.010% No Feedback  
Frequency Response: 11 – 185KHz  $\pm$ 1 db RIAA  
Inputs: 3 Line Level, 1 x tape, 1 x Phono  
Consumption: 12 Watts

Impedance: 47K / 254 Ohms  
Phase - Correct  
Noise (CCIR) <100db <80db Phono  
Signal to Noise: >70 db  
Outputs: 2 Main Out, 1 tape  
Tubes: 4 x 6922

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Revision 1.3 Premier