



Silver Night

Power Amplifiers

User Manual

Models Covered

Stereo 2A3 Hardwired – 3.5 Watt
Stereo 300B - 7 Watt Mk1, 2 & Anniversary
Stereo Integrated 300B - 7 Watt Mk1, 2 & Anniversary
Stereo PX25 Mk2 – 8 Watt
Stereo Integrated PX25 - 8 Watt Mk2
Parallel Single Ended 300B Mk1 & 2, 2A3 Mk2
Push Pull 300B Mk1

Introduction

Congratulations on your purchase of the World acclaimed “Silver Night” triode amplifier from Audion.

Your Audion Amplifier is the result of over 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 our Mark 2 and Anniversary ranges are entirely hard wired offering even better quality.

Warranty

Audion warrants this product free from defects in materials and workmanship and 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. In the event that your Audion product requires servicing, please contact your Audion dealer. If the equipment needs to be shipped, please use the original packaging and include a copy of the sales purchase receipt, with a note explaining in as much detail as possible, the problems that you are experiencing with the unit.

Any modification not authorized by Audion will invalidate this warranty.

The Anniversary models are hardwired with carefully selected components, improved circuit topology, closer tolerances and extended dynamic ranges.

Note: Due to Audion’s desire to continually improve its products, specifications are subject to change without notice.

THIS PRODUCT COMPLIES WITH CE STANDARDS

Getting Started

Upon opening your box you will find:

1. Audion 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 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.

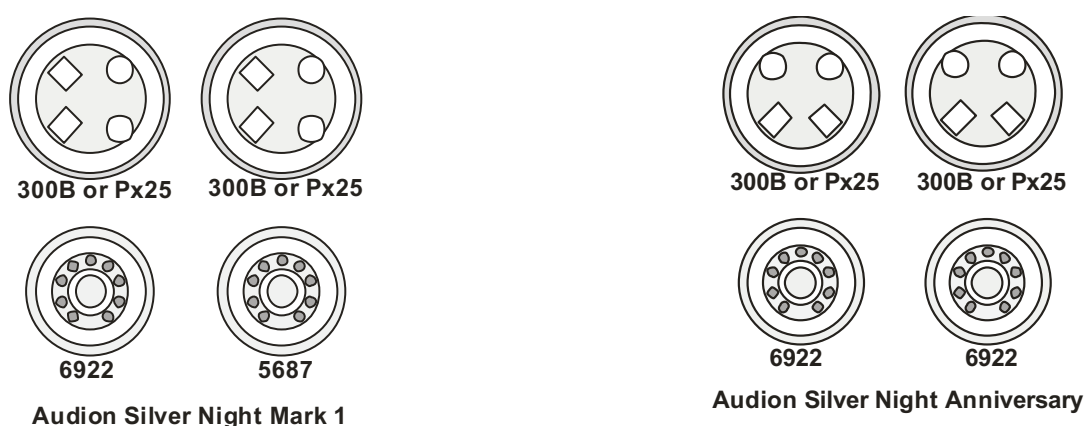
This manual is designed to assist both novice and experienced persons in achieving satisfaction from your Audion. It describes the features and operation.

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 down.

Valves/Tubes

You will now need to place the valves/tubes into your Audion. The Silver Night Mark 1 uses a 6922/E88CC/6H1N in the left hand side front and a 5687 on the right hand side front. All Mark 2 & Anniversary stereos use 2 x 6H1N tubes. The Silver Night P.S.E. Mk2 & Anniversary uses a 6H23N in the left hand side and a CVX120 in the right hand side. All Models use either 300B, 2A3 or PX25 valve/tubes in the rear sockets depending on the model ordered.



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 5687, 6922, 6H1N or CVX120 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.

The larger rear valve/tubes 300B, 2A3 or PX25. All valve/tubes, when viewed from underneath have two (2) large and two (2) small pins. Look at the socket and align the valve so that the two larger pins align with the right hand vertical pair to the right on the socket when viewed from above with the front facing you. A small downward push is required to insert correctly. Do not use excessive force. Generally speaking your amp will be designed so that the logo on the larger tubes face front.

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.

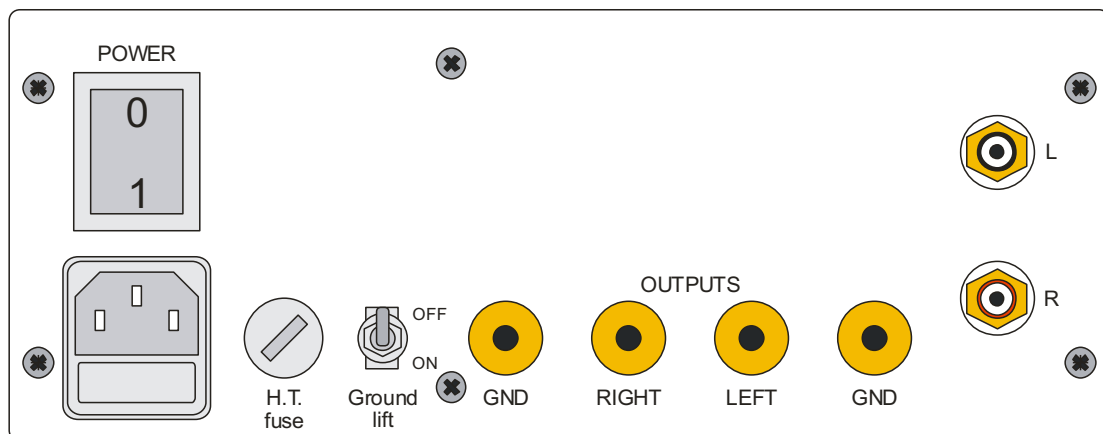
Installation

Positioning Your Audion

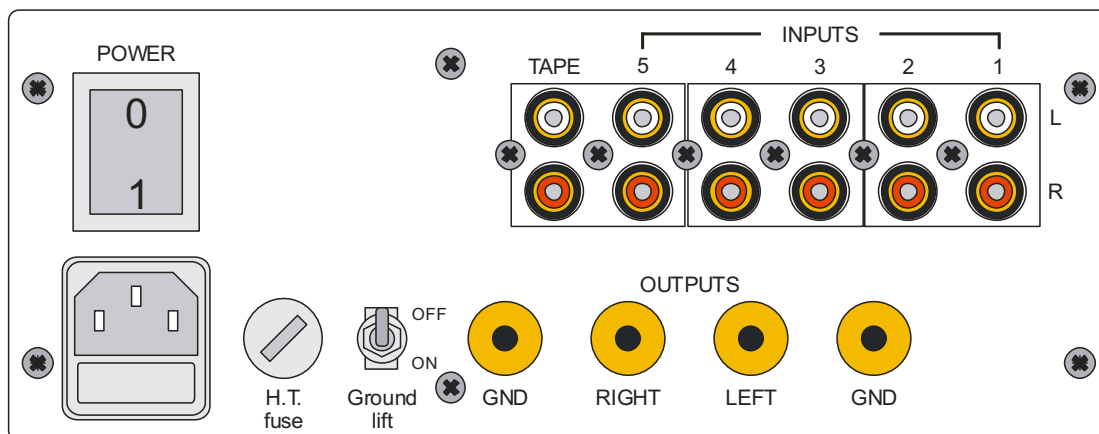
You will probably have in mind the location to place your Audion but remember, valves/tubes get warm and need a good circulation of air.

Connecting

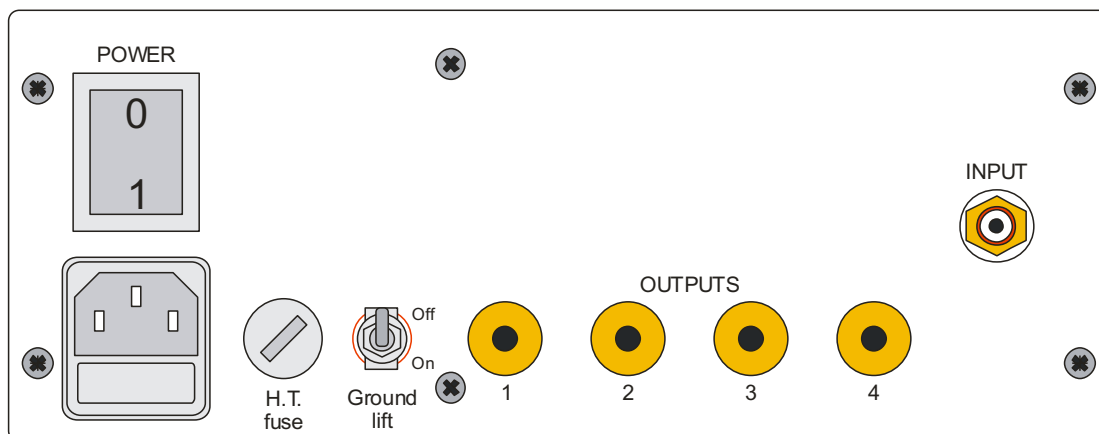
Your Audion is supplied with a power cord for your country of operation. However we recommend connecting your input and loudspeaker cables prior to connecting the power cord.



Audion Silver Night Stereo Amplifier Rear Panel Layout



Audion Silver Night Integrated / Remote Amplifier Rear Panel



Audion Silver Night Mono-block Amplifier Rear Panel

First connect audio input leads to the input RCA connectors. In the case of the integrated / remote models, 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).

Next, connect the loudspeaker cables to your Audion. For all Stereo models the left and right channels are marked by red/black colouring and also ground & channel name; ie left, right etc. 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. We also recommend the use of our Electron Range of Loudspeaker and interconnect cables with this amp.

Unless ordered specifically all the above models come with an 8 ohm output. The Mono-block Amplifiers come with 1 x 8 ohm and 1 x 4 ohm outputs and 2 x black ground. The 8 ohm tap on outside, 4 ohm tap on inner side. 8 ohm is position 1, 4 ohms - position 2 and positions 3 & 4 are ground.

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.

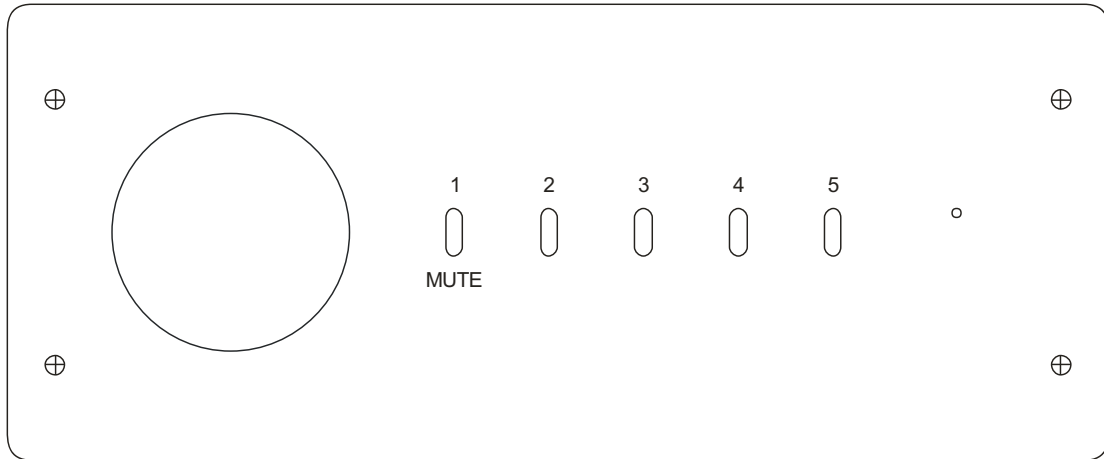
Special Note – Make sure that all connection are tight and clean. For best results use good quality audio interlinks. Although several companies make good quality interlinks those manufactured by Audion give the best performance with Audion Amplifiers.

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.

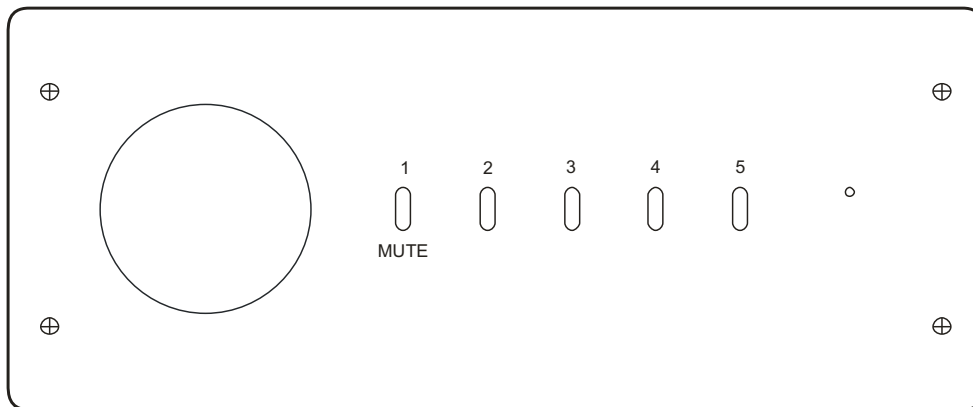
Select your sound source, CD, record, etc. and play. Once your source has started playing adjust the volume control to your required level.

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



Audion Silver Night Integrated Amplifier Front Panel

The Silver Night uses a series of switches in order to select the source. Working from left to right the switches should be in the up position until the source you wish to hear. The rest of the switches should be down. Thus, for source two you need the first two switches up and the remainder down as shown below;



Mute = DDDDD
 Input 1 = UDDDD
 Input 2 = UUDDD
 Input 3 = UUUDD
 Input 4 = UUUUD
 Input 5 = UUUUU

D= down, U= up

Switch 1 in the mid-position mutes all channels.

Switch 1 in the down-position sends output to tape-out.

Tape Output

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.

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.

☀ make sure **ALL** volume controls are turned completely down

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.

Interconnect cables are very important to the final sound, so choose the best and listen to them carefully before investing on a final setup.

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

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.

WEEE Directive and Product Disposal



At the end of this products serviceable life it should not be treated as household or general waste. You should contact us at Audion at the address below for free collection to be correctly recycled and disposed of according to the waste electrical and electronics equipment regulations.

Technical Specifications

Stereo Mk 1

Power: 2 x 7 Watts Class A into 8 Ohms at 240V AC Load: 4 – 16 Ohm Nominal
Distortion @ 1Watt: <0.1% No Feedback Frequency Response: 20 – 24KHz ±3 db
Sensitivity: Variable >150mV Full output Noise: < (CCIR) – 90 db
Consumption: 145 Watts Tubes: 2 x 300B, 1 x 5687, 1 x 6922
Fuse Rating EU. Pwr. 2A/250V HT 500mA/250V US/Jpn Pwr 3.15A/125V HT 1A/125V

Stereo Mk 2 & Anniversary Ltd

Power: 2 x 7 Watts Class A into 8 Ohms at 240V AC Load: 4 – 16 Ohm Nominal
Distortion @ 1Watt: <0.1% No Feedback Frequency Response: 10 – 35 KHz ±3 db
Sensitivity: Variable >150mV Full output Noise: < (CCIR) – 90 db
Consumption: 152 Watts Tubes: 2 x 300B, 2 x 6922/E88CC/6H1N
Fuse Rating EU. Pwr. 2A/250V HT 500mA/250V US/Jpn Pwr 3.15A/125V HT 1A/125V

Stereo Mk 2 2A3 & Anniversary Ltd

Power: 2 x 4 Watts Class A into 8 Ohms at 240V AC Load: 8 Ohm Nominal
Distortion @ 1Watt: <0.1% No Feedback Frequency Response: 10 – 45 KHz ±3 db
Sensitivity: Variable >150mV Full output Noise: < (CCIR) – 95 db
Consumption: 130 Watts Tubes: 2 x 300B, 2 x 6922/E88CC/6H1N
Fuse Rating EU. Pwr. 2A/250V HT 500mA/250V US/Jpn Pwr 3.15A/125V HT 1A/125V

Stereo PX25 Mk 2 & Anniversary Ltd

Power: 2 x 8 Watts Class A into 8 Ohms at 240V AC Load: 4 – 16 Ohm Nominal
Distortion @ 1Watt: <0.1% No Feedback Frequency Response: 15 – 33 KHz ±3 db
Sensitivity: Variable >150mV Full output Noise: < (CCIR) – 90 db
Consumption: 157 Watts Tubes: 2 x PX25, 2 x 6922/E88CC/6H1N
Fuse Rating EU. Pwr. 2A/250V HT 500mA/250V US/Jpn Pwr 3.15A/125V HT 1A/125V

Parallel Single Ended Mk 1

Power: 15 Watts Class A into 8 Ohms at 240V AC Load: 4 – 16 Ohm Nominal
Distortion @ 1Watt: <0.1% No Feedback Frequency Response: 10 – 35KHz ±3 db
Sensitivity: Variable >150mV Full output Noise: < (CCIR) – 90 db
Consumption: 165 Watts per Mono-block Tubes: 2 x 300B, 1 x 5687, 1 x 6922
Fuse Rating EU. Pwr. 2A/250V HT 500mA/250V US/Jpn Pwr 3.15A/125V HT 1A/125V

Parallel Single Ended Mk 2 & Anniversary Ltd

Power: 16 Watts Class A into 8 Ohms at 240V AC Load: 4 – 8 Ohm Nominal
Distortion @ 1Watt: <0.1% No Feedback Frequency Response: <10 – >40KHz±3 db
Sensitivity: Variable >150mV Full output Noise: < (CCIR) – 90 db
Consumption: 167 Watts per Mono-block Tubes: 2 x 300B, 1 x 6H1N, 1 x CVX120
Fuse Rating EU. Pwr. 2A/250V HT 500mA/250V US/Jpn Pwr 3.15A/125V HT 1A/125V

Push / Pull Mk 2 & Anniversary Ltd

Power: 24 Watts Class A into 8 Ohms at 240V AC Load: 4 – 8 Ohm Nominal
Distortion @ 1Watt: <0.1% No Feedback Frequency Response: 11 – 35KHz \pm 3 db
Sensitivity: Variable >150mV Full output Noise: < (CCIR) – 90 db
Consumption: 165 Watts per Mono-block Tubes: 2 x 300B, 2 x 6922 Fuse Rating EU.
Pwr. 2A/250V HT 500mA/250V US/Jpn Pwr 3.15A/125V HT 1A/125V

Please help in the preservation of the environment and return old amplifiers that are due for disposal to an authorised depot or back to the factory for correct disposal.

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