



# *AMP Flux*

Pre-Amplifier &  
Power Supply Unit 1 & 2

## **User Manual**

### **Models Covered**

Pre-Amplifier

## Introduction

Congratulations on your purchase of the acclaimed “AMP Flux system” amplifier and pre-amplifier range from Audion.

The criteria for the product was to produce not only a tube like sound but a triode type of sound. This relationship should be explained in more depth. Many valve amplifiers are produced with a thick soft sound, this is not the triode sound we are discussing. The sort of triode sound here, would be from a modern, up to the minute sound, one which would win many awards, gold medals and an ‘A’ rating from Stereophile. The amplifier in question is the world famous Audion Silver Night. Used as an initial benchmark, a long journey started, it was clear after a very short time that somehow things had gone amiss, surely there must be a more elegant solution, a solution which would involve minimal components, maximum transfer, safety and reliability. The search started initially for a suitable device rugged enough and linear enough to do the job.

The search was on to conquer this problem. Single ended seemed very simple and elegant, however the electricity board also enjoyed the extra revenue, and the constant heat was only desired in the winter. A solution came to light which solved many problems, an output transformer. Aagh you might say, but contrary to popular belief these are not a limiting factor but are actually the main requirement for good sound. Firstly, they avoid any DC voltage across the loudspeaker (that must be an advantage). Secondly, they provide better impedance matching which is absolutely vital when feedback is not being used. Thirdly they provide signal swing below the ground rail effectively doubling the supply rails and assisting. A complete re-appraisal of this device proved necessary for the transistor and new winding topologies investigated. The resulting device a “flux converter” (flux being the electrical charge stored in the device). The other main advantage of the new Flux Converter was the fact that its storage properties would enable the negative cycle to be maintained avoiding cut-off and enabling the biasing method of class “A”. This constituted constant dissipation in the device and hence thermal stability whilst improving efficiency and maintaining sonic performance.

Music requires a vast criteria for good reproduction, many obvious, but evidently ignored in the search of specifications. Most

important of these are dynamic expression, tonal fidelity, and harmonic structure. A freedom of these surely would excel. The resulting music pre-amplifier provides an interface to the real world. It utilises the same circuitry as the power amplifier with only one device per channel. The devices used in the Flux system although few, are highly specialised however careful matching in the dynamic domain assists selection.

Your Audion Amplifier is the result of nearly 20 years exhaustive research and development culminating in our current world class product. 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. AMP Flux Pre-Amplifier or AMP Flux PSU
2. Power cord
3. 2 x Proprietary power connector cables (grey)
4. This User Manual
5. Product Registration and Warranty form

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

Carefully remove your Audion AMP Flux 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 AMP Flux 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.

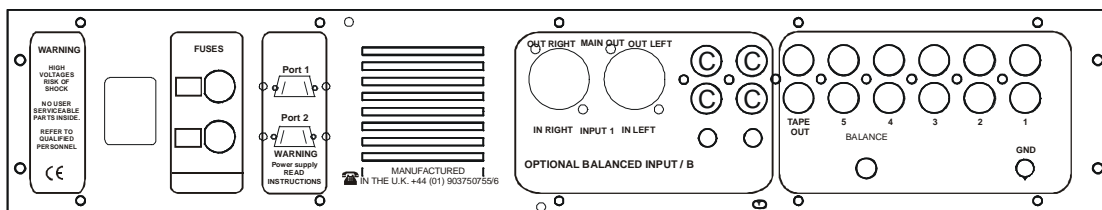
As with any electrical product extreme caution should be exercised. Do not place your Audion in direct sunlight. There are no user serviceable parts inside. Some components run **WARM** in normal operation.

## Installation

### Positioning Your Audion

You will probably have in mind the location to place your Audion but remember, The AMP Flux system gets warm and needs a good circulation of air. The standard unit (Pre-Amplifier and PSU1 and 2) are a stackable system. The units should be placed in a suitable environment to enable airflow. Allow approx. 50mm clearance to the lid, avoiding covering the front or sides, this will allow thermal conduction of the heat. A complete separation of the units left and right on single shelving or stands will also be acceptable. The main requirement being clearance for convection

### Connecting



AMP Flux System Pre-Amplifier Rear Panel

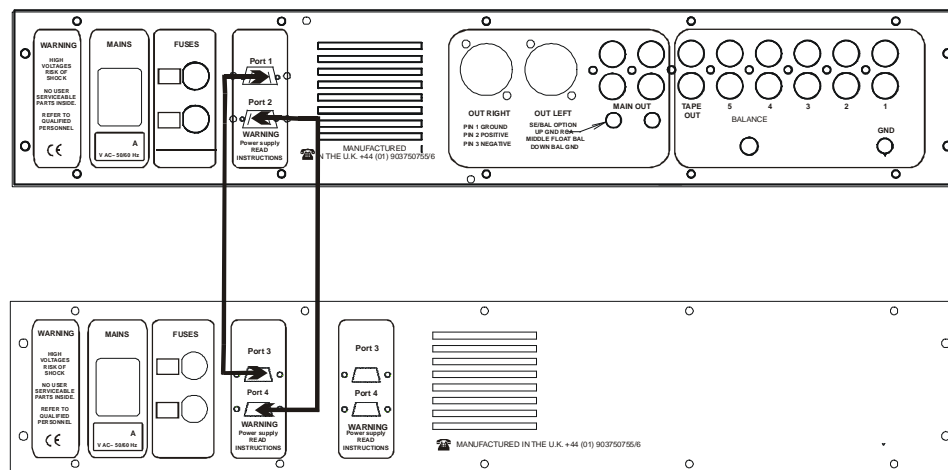
Your Audion is supplied with a power cord for your country of operation. However we recommend connecting your input and output cables prior to connecting the power cord.

First connect your audio input and output leads to the appropriate input/output RCA connectors on the back of your Pre-Amplifier. Left channel to the Black RCA connectors, Red to the Right hand channel.

Once all your input cables are connected, find the proprietary power cables in your package and connect from either the PSU1 or the PSU2 to your pre-amplifier, making sure they are fitted in the correct orientation (they only fit one way around) and that the screws securing the plugs are tightened.

# AMP FLUX SYSTEM AMPLIFIERS

## PREAMPLIFIER



AMP Flux System Connection Diagram

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 of the PSU locate the on/off button. Push the button downwards to position 1, this has now turned your Audion on. Your Audion is now “Warming up”. We recommend that an initial few minutes is allowed for the warm up process to take place.

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

The system should be used sympathetically and to obtain the best results, ancillary equipment selection is vital. Many different set-ups have been tried and tested but not all.

The Flux has a ground lift switch at the rear, use this in the unlikely event that you may have a ground loop between pieces of equipment (Hum.)

### Warning:

Do not cover any of the slots of the case including those on the front panel. Do Not Drive Shorted Loads

In general use your Audion should give many years of trouble free use. The 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

### AMP Flux Pre-Amplifier

Power: 40 Watts Class A into 8 Ohms at 240V AC	Load: 4 – 16 Ohm Nominal
Distortion @ 1Watt: <0.1% No Feedback	Frequency Response: 10 – 34KHz $\pm$ 3 db
Sensitivity: Variable >150mV Full output	Noise: < (CCIR) – 90 db
Consumption: 105 Watts	Dimensions:

Audion International  
Chez Reynaud  
Le Haut Mont  
17360, La Genetouze  
France

[www.audion.co.uk](http://www.audion.co.uk)