

ALCHEMIST

A A 1

Integrated

Amplifier

INSTRUCTION

MANUAL

POSITIONING

The AA1 Integrated Amplifier is a class A/B type device, and as such it will need to dissipate a little heat. It should therefore be placed on a flat surface with free space all around. Under no circumstances must the unit become covered as this may result in the unit overheating.

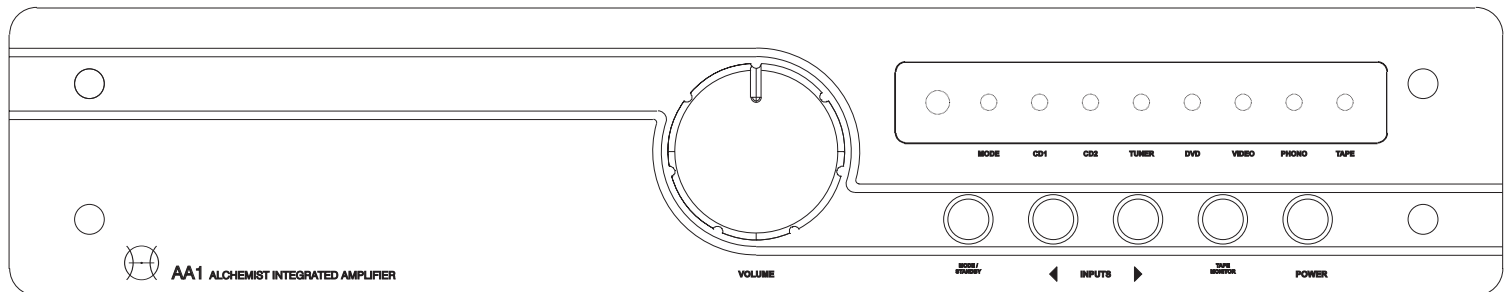
MAINS POWER CONNECTION

The AA1 comes with an IEC mains lead fitted with the relevant plug type for the country of use. If there is any need to change this then follows the relevant instructions for the plug type used.

There is an external replaceable fuse on the rear of the unit: refer to specifications for fuse value.

Never replace with a different value.

Be sure that your system is switched off whilst connecting / disconnecting any leads.



CONTROLS

The controls on the fascia of the AA1 are: Volume control, Mode/Standby, Inputs (<</>>), Tape monitor and Power.

All functions are duplicated on the AA range system remote handset.

Volume: You will probably find that the maximum usable volume will be attained at approximately two o'clock on the volume control (See Loudspeaker Matching)

Mode/Standby: After the AA1 has been initially switched on this function will allow you to toggle between; normal listening, normal listening -20dB and standby.

Inputs (<</>>): This will allow you to either progress up or down through the available inputs, stepped one input at a time.

Tape Monitor: The Tape Monitor switch enables the monitoring of the selected source through your tape machine.

Power: This will either fully power up the AA1 or be completely switched off.

GENERAL CARE

Any cleaning of your AA1 amplifier should be done with a clean dry cloth. Do not use any solvent or silicone based cleaning solutions.

Remember to replace all of your packaging in the box and re-seal. Keep the box for future transportation of your product.

SOURCE CONNECTIONS

Be sure that your amplifier is switched off when connecting or disconnecting any leads.

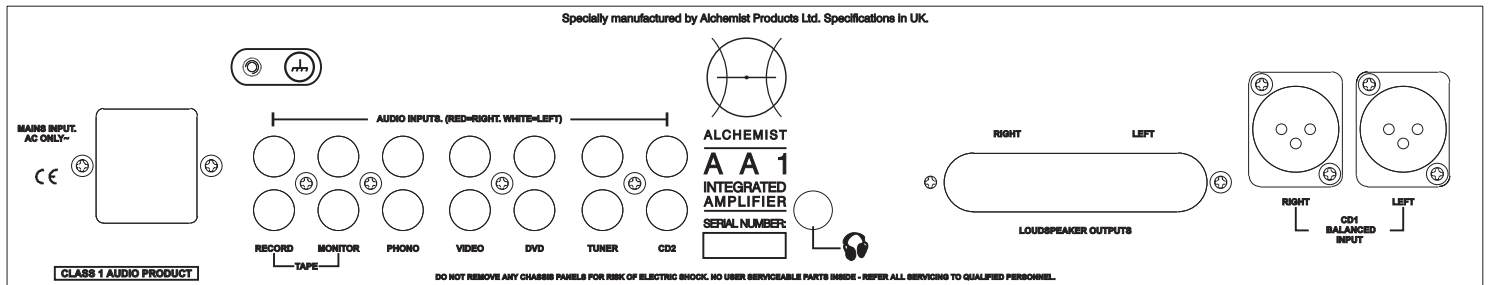
As the phono sockets on the AA1 are gold plated, we recommend that, where possible, you use gold phono plugs on your interconnect leads. Gold to gold connections will ensure that a good electrical contact is maintained without the need for periodic cleaning.

Take care that your input leads are correctly oriented for Right and Left channels. RED is usually Right and WHITE or BLACK is usually Left.

The AA1 has seven inputs, five line level: BALANCED CD, VIDEO, DVD, TUNER, CD2, one PHONO(MM only) and one TAPE loop.

There is also one line output provided for TAPE recording.

Most turntables will need to be connected to the ground terminal. If, when listening to your turntable you can hear a slight buzzing noise, you probably have an earth loop. You should therefore disconnect the Earth lead. If the buzzing persists, contact your dealer.



LOUDSPEAKER CONNECTIONS

As with all connections ensure that the equipment is switched off before you attempt to connect any cables.

Loudspeaker output: The AA1 Integrated has the facility to connect your loudspeaker cables to your loudspeakers via either a 4mm or bare wire type connection. If you are using the bare wire method make sure that all the strands of cable are securely within the binding post before you switch on your amplifier. The Red terminal is for your positive (+) connection and the BLACK terminal is for your negative (-) connection. If you fail to observe this pattern your system may result in an *out of phase* condition, giving you poor results in the sound quality.

Loudspeaker matching: The most common misunderstanding in matching amplifiers with loudspeakers is with power handling.

When amplifiers are given a power rating, this refers to the maximum output. The maximum usable output will usually be reached at about 1 - 2 o'clock on the volume control, leaving enough reserve power to cope with transients and crescendo's. This limit is also dependant on such things as source output levels and loudspeaker sensitivity. If an amplifier is driven beyond this limit it will 'clip' (literally clipping the wave form), resulting in distortion. It is this distortion that usually damages loudspeakers, and not a mis-match in power ratings. If you are in any doubt about the suitability of your amplifier to drive your loudspeakers, please consult your dealer.

Please note that, as with all hi-fi products, there are no user-servicable parts inside.
Please refer all servicing work to a qualified engineer.

AA1 SPECIFICATIONS

Rated Power Output (Max): Typically 80Watts (26V) into 8ohms

Input Sensitivity: 400mV

Frequency Response @ 3V: -3dB @ 60KHz

Residual noise (Max vol): <0.3mV

Total harmonic Distortion: <0.05% THD

Channel Separation: Typically -65dB

Peak Power consumption: 300 Watts

Dimensions (W x H x D): 440mm x 350mm x 95mm

Weight (Packed): 10Kg

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In the unlikely event that we should discover something that would improve one of our products, we reserve the right to change specifications without prior notice