

**ALLNIC AUDIO
H-1200 PHONO STAGE**



OWNER'S MANUAL

ALLNIC AUDIO H-1200 PHONO STAGE

Thank you for purchasing this Allnic Audio H-1200 Phono Stage. We are certain your trust in Allnic Audio and Hammertone Audio, as well as your appreciation for the sound of this high-quality device, will be rewarded by its excellent operation for years to come.

Please read this entire manual before you connect the H-1200 Phono Stage to the other components of your system and the wall outlet.



MUSICAL
TRUTH



David Beetles CEO

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**** Information and specifications for the Allnic Audio product described in this manual are subject to change without notice.**

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Please read about **SAFETY** before you attempt to use the H-1200 Phono Stage - we care about our customers and the equipment, and we want you to enjoy this product for a long time!

INTRODUCING THE H-1200 PHONO STAGE

The H-1200 is Allnic Audio's entry level phono stage. Like all Allnic Audio products, it uses Permalloy (iron and nickel alloy) for its transformer (step-up) cores. Allnic is grateful to Mr. G.W. Elmen of Western Electric for inventing Permalloy for transformer core use, and in so doing, providing an enormous service to recorded music listeners everywhere.

The H-1200 has the following features:

- Quality Permalloy core MC step-up transformers included; no need for an external MC step-up device.
- MM / MC dual input possible
- RIAA equalization, CR type, precisely compensated within $\pm 0.3\text{db}$
- Automatic semi-conductor voltage regulation circuit ensures quieter operation. It also protects the tubes from AC Line voltage fluctuations and sufficiently copes with any abrupt internal current demands.
- Small size, which makes it possible for the H-1200 to be installed near the turntable and to use interconnection cables that are as short as possible
- Pure, non-negative feedback circuit
- Pure class A operation
- As are all Allnic Audio products, the H-1200 is fully RoHS (EU Reduction of Hazardous Substances regulation) compliant in construction and materials

WHAT'S IN THE BOX?

Please check that the shipping box contains the following:

- One (1) Allnic H-1200 phono stage – in natural aluminum or black finish in accordance with your order
- One (1) power cord
- One (1) Owner's Manual

Note:

- 1) The H-1200 ships with the tubes installed.

- 2) The H-1200 will work with most IEC type aftermarket power cords. Of course, only you can determine the power cord that works most synergistically with the H-1200 in your system.

We advise that you keep the box and other packing materials that your H-1200 came in. It will be useful if you sell your H-1200 or in the unlikely event you need to ship it for service.

SAFETY

- Disconnect the power cord by pulling the plug, not the cable.
- Keep the power cord away from any heat source.
- Keep the unit away from liquids – do not allow any liquid to enter the interior of the unit.
- When the unit is moved from a cold to a warm environment, allow sufficient time for any condensation to evaporate before plugging the unit into an AC connection.
- Do not attempt any repairs.
- See the notes on "Location, Location, Location".

CLEANING

A. Chassis

Use only a soft, lint-free cloth dampened slightly with water only (NO cleaning fluids!) to clean the faceplate and chassis.

B. Connectors

You may use any good quality contact cleaner recommended for such applications to clean the contacts from time to time, as you deem appropriate.

INITIAL SET-UP

A. LOCATION, LOCATION, LOCATION

Like all audio products using tubes, the Allnic Audio H-1200 needs to be placed on a solid stand in a location that provides for good air circulation around the phono stage.

- DO NOT place the unit on carpet or foam.

- DO NOT subject the unit to knocks and shocks as you move it around. This advice is meant particularly for those who may want to place the H-1200 on some kind of after-market isolation feet or similar devices. Dropping one side of the H-1200, or the whole unit, is not a good thing to do.
- DO NOT place the unit near a strong light or heat source.
- DO NOT place anything heavy on the unit.
- DO NOT allow rubber or vinyl materials to rest on the unit's chassis for long periods of time. This could discolour the metal.
- DO place the unit on a shelf or stand that is stable and not subject to vibration or sudden shock.
- DO consider using a high quality power cord and inter-connects, for both inputs and outputs. The H-1200 is a highly sensitive piece of electronic equipment designed for neutrality and will output what you put into it.
- DO try to place the H-1200 away from major sources of RFI and EMI; though well shielded, the H-1200 will function best away from large power transformers and other sources of such interference.
- DO NOT cover the ventilation slots in the top of the chassis.

B. POWER CONNECTION

The H-1200 uses a standard three prong male IEC connection for AC input. You need to use a power cord with a female three prong IEC connector at one end. The IEC AC connection is located on the right side of the rear panel of the H-1200 (Please refer to Figure 1).

The H-1200 you have purchased is set internally for AC 110/120 volt – 60 HZ operation. There is no way to change this to another AC setting without return of the unit to the factory for re-wiring, at the owner's cost, including transport both directions.

C. INPUTS

There are two (2) pairs of single-ended (RCA) inputs. Both pairs are within the rectangular lines closest to the top of the unit. The top pair of inputs, with an "MC" label between them and joined by a horizontal line, are the inputs for a moving coil cartridge. The bottom pair of inputs, with an "MM" label between them and joined by

a horizontal line, are the inputs for a moving magnet cartridge.

In the centre of the four RCA connections is a screw type connector. This connector is the ground connection for a ground wire from a cartridge and/or turntable.

When you are facing the front of the H-1200, the right channel input connections are on the extreme right of the unit, and the left channel input connections directly to their left, beside the power cord connection.

The H-1200 has been designed and manufactured to work most synergistically with Allnic Audio preamplifiers, pre-phono stages and equalization products.

D. OUTPUTS

The H-1200 is equipped with one pair of single-ended (RCA) outputs. The right and left channel output connections are located below the two pairs of input connections. Again, when you are facing the front of the H-1200, the output connections are the horizontal pair closest to the bottom of the unit, with the left channel output connection on the extreme right of the unit, and with the right channel output connection directly to its left, beside the power cord connection.

E. A NOTE ON PHASE

Phase issues generally will result in lack of bass and/or focus of the stereo image. You may need to reverse connections on your cartridge if you are having phase issues. As is usual in these circumstances, some trial and error experimentation may be required to find the correct position. Of course, the entire process is simplified if your preamplifier has a phase control, as do the Allnic Audio L-1500 and L-4000 preamplifiers.

F. IMPEDANCE

In the Specifications at the end of this manual, you will read that the moving coil (MC) input impedance for the H-1200 is up to 30 ohms. This value represents the internal impedance of the cartridge itself, and is at the high end of what would normally be expected for the internal impedance of an MC cartridge. It would be unusual to find a cartridge with internal impedance greater than that value. In fact, however, the MC step-up

transformer in the H-1200 can accept cartridges with up to 300 ohms internal impedance.

INITIAL POWER-ON

PLEASE NOTE – CAUTION!

Be sure you have turned the volume down or otherwise muted your preamplifier before turning on the H-1200. Also, make sure all your connections are snug.

- 1) Once you have your H-1200 in place, all connections have been made to your turntable and preamplifier, the MC (for moving coil, top position) / MM (for MM, bottom position) switch on the face H-1200 to the appropriate position (Please refer to Figure 2).
- 2) Move the switch marked with the vertical line above it and the circle below it (this is the power switch to the “on” position – that means the switch is pushed up toward the vertical line. Of course, the off position is the reverse, moving the switch down toward the circle below it.

OPERATION

When the Allnic Audio H-1200 has powered up, the light above the word “ALLNIC” will illuminate.

The Allnic Audio H-1200 is now ready for operation.

To avoid surges to the speakers, it is best to change from MM or MC input to the other only with your preamplifier volume down or otherwise muted.

From this point on, operation is straight-forward. Of course, always BE CAREFUL about differences in gain between your sources. Generally, disc players and tuners will have greater gain than phono stages. That means the volume setting for listening to your turntable might be too high for listening to CD's.

When you are finished listening, turn off your power amplifier(s); then turn off your preamplifier and then the H-1200 last.

In the case of any failure, please contact Hammertone Audio for assistance.

TUBES

The H-1200 uses the following tubes:

- Two (2) x 6112
- Two (2) x 6021

All consequences of changing or attempting to change tubes are borne by the user unless by express agreement between the owner and Hammertone Audio. Allnic Audio and Hammertone Audio are not liable in any way whatsoever for any injury or loss incurred by the user or for damage to the H-1200, any of its parts, or tubes or replacement tubes resulting from the user changing or attempting to change tubes.

SPECIFICATIONS

FOR THE ALLNIC AUDIO H-1200 PHONO STAGE

Inputs:	MC (Moving Coil – unbalanced (RCA) × 1 pair MM (Moving Magnet - unbalanced (RCA) × 1 pair
Ground:	Screw Type x 1
Outputs:	Unbalanced (RCA) × 1 pair
Frequency (R.I.A.A):	20Hz - 20KHz (±0.3db)
Voltage Gain:	+70db (1 KHz) MC +38db (1 KHz) MM
Input Impedance:	MC - up to 30Ω (See “Impedance”, above) MM 47kΩ
Maximum Input Voltage (MM, non-clipping):	20Hz / 30mV 100Hz / 60mV 1KHz / 300mV 10KHz / 500mV
THD (Total Harmonic Distortion):	Less than 0.3% (1 KHz, Output 1V)
Output Impedance:	1.2kΩ (On - off method)

S/N Ratio:	- 68db (CCIR, 1 KHz)
Tubes:	6112 × 2 - First gain stage/channel 6021 × 2 - Second gain stage/channel
Fuse:	AC 2A, 250V
Dimensions:	112mm (4.4 inches) × 250mm (9.8 inches) × 93mm (3.67 inches) (W×D×H)
Power consumption:	17W at 110/120V / 60Hz
Weight:	2.2 kg (4.9 lbs) unpacked. Packed weight in original material is 3 kg. (6.6 lbs)

Figure 1 – H-1200 Rear Panel View

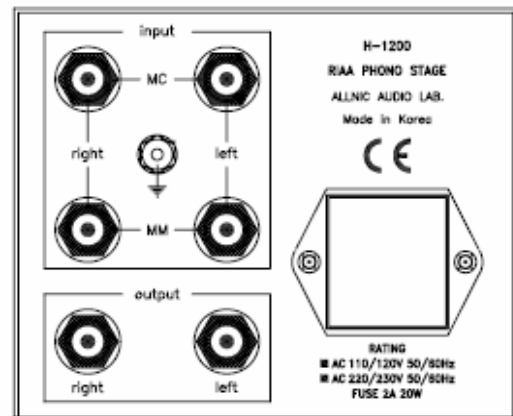


Figure 2 – H-1200 Front Panel View



3)

WARRANTY

All Allnic Audio amplifier products are warranted against materials and manufacturing defects for parts, excluding tubes, and labour for two (2) years from date of purchase. Tubes are warranted against materials and manufacturing defects for one (1) year from date of purchase. The warranty is transferable for the balance of the original purchaser's warranty period, provided, as stated below, no unauthorized repairs or modifications have been performed on the product. Date of purchase is the date indicated on the invoice for the product issued by Hammertone Audio.

For the warranty to be valid, a defective product must be returned to Hammertone Audio for service prior to any unauthorized attempt to repair. Any repair work on an Allnic Audio product not specifically authorized by Hammertone Audio will void the warranty on the product.



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