



ALLNIC AUDIO H-1202 PHONO-STAGE PREAMPLIFIER



OWNER'S MANUAL

ALLNIC AUDIO

H-1202 PHONO-STAGE PREAMPLIFIER

Thank you for purchasing this Allnic Audio H-1202 Phono-Stage Preamplifier. We are certain your trust in Allnic Audio and its dealers worldwide, 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-1202 to the other components of your system and the wall outlet.

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

***** For a list of Allnic Audio distributors around the world, please visit Allnic Audio's website:**

<http://allnicaudio.com>

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Please read about **SAFETY** before you attempt to use the H-1202 Phono-Stage Preamplifier - we care about our customers and the equipment, and we want you to enjoy this product for a long time!

INTRODUCING THE H-1202 PHONO-STAGE PREAMPLIFIER

The H-1202 is Allnic Audio's entry level phono stage preamplifier model and successor to the H-1201. Like all Allnic Audio products, it uses Permalloy (iron and nickel alloy) for its transformer 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-1202 has the following features:

- High-quality, NOS E180CC twin triode tubes
- CR type RIAA equalization, precisely compensated within +/- 0.3dB
- Automatic, all tube voltage regulation circuit, ensuring exceptionally stable and quiet operation
- High quality Moving Coil Step-up Transformers with Permalloy cores
- MC transformers variable gain (+22dB, +26dB, +28dB and +32dB)
- No negative feedback design
- Pure Class A operation
- As are all Allnic Audio products, the H-1202 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-1202 phono stage – in natural aluminum or black, depending on your order request
- One (1) IEC type power cord
- One (1) Owner's Manual

Note:

- 1) The H-1202 ships with the tubes installed.
- 2) The H-1202 will work with most IEC type aftermarket power cords. Allnic's ZL-3000 and ZL-5000 power cords will provide excellent results. Of course, only you can determine the power cord that works most synergistically with the H-1202 in your system.
- 3) **Be sure the H-1202 is labeled for the AC voltage of your location. If it is not, DO NOT connect the H-1202 to your AC mains. Contact your authorized Allnic representative (See Figure 1).**

We advise that you keep the box and other packing materials that your H-1202 came in. It will be useful if you sell your H-1202 or in the unlikely event you need to ship it for service.

SAFETY

- **Remove ALL protective cushioning material inside the tube chimneys before operation. The tube chimneys should contain NOTHING except the tubes.** You may experiment with the tube damping rings, on or off.
- Disconnect the power cord by pulling the plug, not the cable.
- Do not attempt any repairs. Do not remove the unit's chassis covers without specific authorization from an authorized Allnic Audio representative.
- Keep the power cord away from heat sources.
- 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 H-1202 into an AC connection.
- 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 of the H-1202 and its power supply.

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-1202 needs to be placed on a solid stand in a location that provides good air circulation around the phono-stage.

- DO NOT cover the top of the H-1202 phono stage or tube chimneys.
- 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-1202 on some kind of after-market isolation feet or similar devices. Dropping the H-1202 is not a good thing to do and may void the warranty.
- DO NOT place the unit near a strong light or heat.
- 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-1202 is a highly sensitive piece of electronic designed for neutrality and will output what you put into it. Allnic’s Zero Loss Technology cables will work synergistically with the HPA-5000 XL.
- DO try to place the H-1202 away from major sources of RFI and EMI; though well shielded, the H-1202 will function best away from large power transformers and other sources of such interference.

B. POWER CONNECTIONS

The H-1202 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 (See Figure 1).

The H-1202 is set internally for AC 110/120 volt – 60 HZ, or 220/230 – 50 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, one for Moving Coil (MC) cartridges and the other for Moving Magnet (MM) cartridges. These two pairs are located in the middle of the rear of the H-1202 (See Figure 1) and labeled “MC – input – MM” between the top and bottom connectors. Facing the rear of the H-1202, the left hand pair of inputs is the moving coil cartridge input; the right is for moving magnet cartridges. Each pair of inputs is aligned vertically, with the left channel “left” labeled input at the top and the “right” labeled input on the bottom.

To the left and right (facing the rear panel) of the MC and MM input connections respectively is a screw type ground connector. Either or both of these may be used for multiple ground connections.

When you are facing the front of the H-1202, the input connections are in the centre of the unit, with the MC connections on the right and the MM connections immediately to their left.

The H-1202 has been designed and manufactured to work most synergistically with Allnic Audio products, including line-stage preamplifiers, pre-phono stages and ZL Technology cable products.

D. OUTPUTS

The H-1202 is equipped with one set of unbalanced or “single-ended” (RCA) outputs. The output connection is just to the left (facing the rear panel) of the AC IEC power cord connection. The left channel output connection is the top one and is labeled “left”; the bottom, “right” (See Figure 1).

E. MOVING COIL (MC) TRANSFORMER CONTROLS

On the top of each channel’s MC transformer on the centre rear of the chassis deck of the H-1202 (See Figure 4), there is a rotating control (See Figure 3). Turn the control knob to select from four gain factors: +22dB, +26dB, +28dB and +32dB. Combined with the H1202's 40dB native gain, for MC there is 62dB, 66dB, 68dB and 72dB of gain available. Each of the second set of indicators on the top of the transformers only marks the impedance tied to the gain setting diagonal to it. The impedance at each of $\times 13$, $\times 20$, $\times 26$ and $\times 40$ on the control knob is equivalent to 278 Ω , 117 Ω , 69 Ω , and 29 Ω and respectively. The impedance and gain relationships are not user adjustable. You should experiment with the gain settings to find the best setting for your cartridge. Use identical settings for both transformers to avoid channel imbalance.

INITIAL POWER-ON

Once you have your H-1202 in place and all connections have been made to your turntable and preamplifier, you are ready to turn on the power for your H-1202. Before you power up the H-1202, be sure you have:

- **removed ALL the cushion materials from inside the tube chimneys**
- turned the volume down or muted your preamplifier
- muted the H-1202 by ensuring that the button switch labeled “mute” on the right hand side of the front panel of the H-1202 is not “depressed” (i.e., it is “out”) (See Figure 2)
- rotated the single knob on the front of the unit, with MM and MC labels at its top right and left respectively, to the appropriate input, corresponding to the input you will use initially, either MC or MM (See Figure 2)
- if you are using a moving coil cartridge, set the MC transformer controls on the top of the chassis to the factor that you will try initially (See Figure 3)
- checked that all your connections are snug

To turn on the H-1202, press in the button switch on the left front panel. Pressing the power button again will power down the H-1202 (See Figure 2).

OPERATION

The H-1202 has a “soft start”. After pushing in the power button, the H-1202 will take about 40 seconds to be ready for play. Each time the H-1202 is powered on, the orange light on its front panel above the power button will illuminate. If the mute button is in the “on” position (button “out” – not depressed) when you power on the H-1202, the light above the mute button will illuminate red and stay red after the soft start period. If the mute button is depressed (mute off), when you power on the H-1202, the mute light will first glow red, and after the soft start period will change to orange.

SPECIFICATIONS FOR THE ALLNIC AUDIO H-1202 PHONO-STAGE PREAMPLIFIER

Inputs:	One (1) pair Moving Coil (MC) unbalanced (RCA) One (1) pair Moving Magnet (MM) unbalanced (RCA)
Output:	One (1) pair x unbalanced (RCA)
Ground:	Two (2) x screw type terminal
Frequency (RIAA):	20Hz ~ 20KHz (± 0.3 db)
Voltage Gain:	MM: +38db (1KHz) MC: Variable: +22dB, +26dB, +28dB, +32dB (1KHz)
Input Impedance:	MC up to 280 Ω MM 47k Ω
Maximum Input Voltage (MM, non-clipping):	20Hz / 30mV 100Hz / 60mV 1KHz / 300mV 10KHz / 500mV
THD (Total Harmonic Distortion):	Less than 0.3% (1KHz, Output 1V)
Output Impedance:	1.2K Ω (on-off method)
S/N Ratio:	-68db (CCIR, 1KHz)
Power Consumption:	20W / 220V @ 60Hz
Tubes:	E180CC - New old stock - approximately electrically (not sonically) equivalent: CV8431, 7062, 5965, 12AV7, 6414, 6829;

7233 - New old stock (no equivalent) - voltage regulator;
5654 - New old stock (equivalent to 6AK6, A4361, CV1762) - Voltage corrector.

Fuse: AC 2A, 250V

Dimensions: 310mm (~12.3 inches) x 230mm (~9.1 inches) x 140mm (~5.6 inches)
(W x D x H)

Weight:

Unpacked: 6.2 Kg (13.6 lbs)

Packaged: 8.6 Kg (19 lbs)

WARRANTY

FOR WARRANTY SERVICE, PLEASE CONTACT YOUR ALLNIC AUTHORIZED DEALER.

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

FIGURES

Figure 1 – H-1202 Rear Panel View



Figure 2 – H-1202 Front Panel View



Figure 3 – H-1202 Chassis Top View - MC Transformer Controls

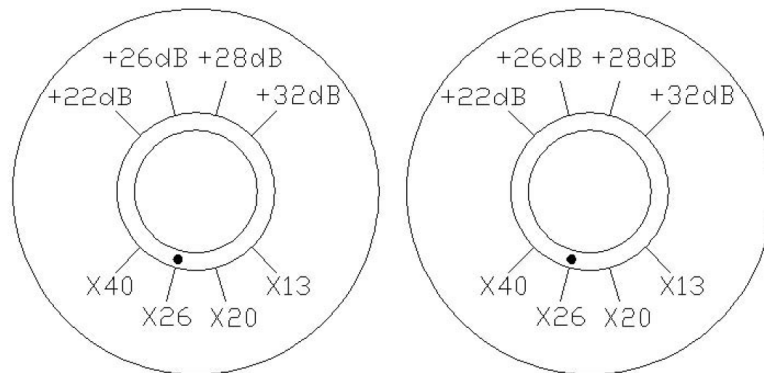


Figure 4 – H-1202 Top View

