ALLNIC AUDIO

AUT-8000
STEP-UP TRANSFORMER
Silver



OWNER'S MANUAL

ALLNIC AUDIO
AUT-8000 *SILVER* STEP-UP TRANSFORMER

Thank you for purchasing this Allnic Audio AUT-8000 *SILVER* Step-up Transformer. 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 AUT-8000 *SILVER* Step-up Transformer to the other components of your system.

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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 **AUT-8000 *SILVER* STEP-UP TRANSFORMER** - we care about our customers and the equipment, and we want you to enjoy this product for a long time!

INTRODUCING THE AUT-8000 *SILVER* STEP-UP TRANSFORMER

The AUT-8000 *Silver* is Allnic Audio's Step-up Transformer. 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 AUT-8000 *Silver* Step-up Transformer has the following features:

- *Silver* wire windings on the AUT-8000 *Silver's* permalloy transformers and silver connection wire throughout. Silver has the lowest electrical resistance of any metal. It is 6% lower than that of copper. All electrical energy loss in a transformer is a result of both coil loss and core loss. The AUT-8000 *Silver's* permalloy transformer cores wound with silver coils significantly reduce such loss. This results in significant, clearly audible, enhanced information transfer from the AUT-8000 *Silver*'s step-up MC transformers.

- Use of a five-sectioned sandwich winding method for the transformers reduces leakage, inductance and capacitance. This significantly improves high frequency response.

- Dual unbalanced (RCA) moving coil phono inputs. Two pairs of RCA inputs allow the use of two tonearms with easy switching between them.

- Four step impedance selector. A single selector controls both channels simultaneously, and provides resistances of 10K, 20K, 30K, and 47 K. This range will accommodate almost any MC cartridge.

- Easy, push-button muting.

- The AUT-8000 *Silver* is relatively small and may be installed near the turntable, allowing the use of interconnection cables that are as short as possible.

- The AUT-8000 *Silver* has been designed and manufactured to work most synergistically with other Allnic Audio products, for example the Allnic phono-stages and preamplifiers.

- As are all Allnic Audio products, the AUT-8000 SILVER 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 AUT-8000 *Silver* Step-up Transformer – in natural aluminum or black finish in accordance with your order
- One (1) Owner's Manual

We advise that you keep the box and other packing materials that your AUT-8000 *Silver* came in. It will be useful if you sell your AUT-8000 *Silver* or in the unlikely event you need to ship it for service.

SAFETY

- Pull cables by pulling the plug, not the cable.
- Do not attempt any repairs. Do not remove the units' chassis covers without specific authorization from Allnic Audio or its authorized representative.
- Keep the cables away from heat sources and liquids**.**
- 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.
- Do not remove the unit's chassis cover without specific authorization from Allnic Audio or its authorized representative.
- 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 AUT-8000 *Silver*.

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

- DO NOT cover the top of the AUT-8000 *Silver*.
- DO NOT subject the AUT-8000 *Silver* to knocks and shocks as you move it around. This advice is meant particularly for those who may want to place the AUT-8000 *Silver* on after-market isolation feet or similar devices. Dropping one side of the AUT-8000 *Silver*, or the whole unit, is not a good thing to do and damage incurred by doing so will not be covered by warranty.
- DO NOT place the AUT-8000 *Silver* near any strong heat source.
- DO NOT place anything heavy on the AUT-8000 *Silver*.
- DO NOT allow rubber or vinyl materials to rest on the AUT-8000 *Silver's* chassis for long periods of time. This could discolour the metal.

- DO place the AUT-8000 *Silver* on a solid shelf or stand that is stable and not subject to vibration or sudden shock.
- DO consider using high-quality inter-connects for both inputs and outputs. The AUT-8000 *Silver* is a highly sensitive piece of electronic designed for neutrality and will output what you put into it.
- DO try to place the AUT-8000 *Silver* away from major sources of RFI and EMI; though well shielded, the AUT-8000 *Silver* will function best away from large power transformers and other sources of such interference.

B. INPUTS

There are two (2) pairs of single-ended (RCA) inputs located in the centre of the chassis rear plate. They are labelled MC 1 and MC 2 and are arranged in pairs horizontally, one above the other. The left channel input connections are on the right when you are facing the AUT-8000 *Silver's* rear panel (on the left when you are facing the front of the unit). The right channel input connections are on the left when you are facing the AUT-8000 *Silver's* rear panel (on the right if you are facing the front of the unit). Please see Figure 1.

In the centre of the square cornered by the four RCA input connections on the rear of the AUT-8000 *Silver's* chassis is a screw type connector. This connector is the ground connection for ground wires from cartridges and/or turntable. Please see Figure 1.

C. OUTPUTS

The AUT-8000 *Silver* is equipped with one pair of single-ended (RCA) outputs. The right and left channel output connections are the left-hand (when facing the rear – see Figure 1) horizontally aligned pair of RCA connections and are labelled for the right and left

channels, with the right channel connector closest to the left edge of the panel (again, when facing the rear panel and the opposite when facing the front panel).

OPERATION

Be sure you have turned the volume down or otherwise muted your preamplifier before connecting the AUT-8000 *Silver*. Also, make sure all your connections are snug.

At this point, if you have not already done it, turn the impedance selector located in the centre of the front panel to the resistance that, based on your cartridge's specifications, is most likely to work best with it. The impedance selector controls both channels and the resistance scale is 10K ohms, 20K ohms, 30K ohms, and 47K ohms. See Figure 2.

Next, turn the two front panel gain selection switches to the gain that you think will work for your moving coil cartridge. See Figure 2.

Each position on the +#dB gain scale on each channel's front panel rotating selector indicates an increase in gain and corresponds to a factor that relates to cartridge millivolt output. The settings description below provides each +#dB setting and its corresponding output factor increase. You should use identical gain settings for both transformers to avoid channel imbalance.

The possible settings are:

- +22dB (13 X) Gain
- +26dB (20 X) Gain
- +28dB (26 X) Gain
- +32dB (40 X) Gain

Please see Table 1:

Table 1
AUT-8000 *Silver*
Impedance Combination Table

Impedance Selector Setting	T / R[1.] Gain	1 / 13 +22dB	1 / 20 +26dB	1 / 26 +28dB	1 / 40 +32dB
10 K ohms		59 ohms	25 ohms	15 ohms	6.3 ohms
20 K ohms		118 ohms	50 ohms	30 ohms	22 ohms
30 K ohms		177 ohms	75 ohms	44 ohms	33 ohms
47 K ohms		278 ohms	117 ohms	70 ohms	52 ohms

1. *Turn Ratio of MC Step-up Transformer and dB Gain*

You may easily experiment with different combinations of impedance and gain settings to find the one best suited for your cartridge.

From this point on, operation is straight-forward. Of course, always be sure you have muted the AUT-8000 Silver and/or turned the volume down or otherwise muted your preamplifier before changing gain or impedance on the AUT-8000 Silver's front panel selectors.

Also, always BE CAREFUL about differences in gain between your sources. Generally, streamers, disc and tape players and tuners will have greater gain than phono stages, with or without step-up transformers. That means the volume setting for listening to your turntable might be too high for listening to radio, tapes, CDs or streaming.

In case of any failure, please contact your Allnic Audio representative.

WARRANTY

FOR WARRANTY SERVICE, PLEASE CONTACT YOUR AUTHORIZED ALLNIC DEALER.

Except for the tubes, this Allnic Audio product is warranted against materials and manufacturing defects only for two (2) years from date of purchase. The tubes in this product are warranted against materials and manufacturing defects only for six (6) months from date of purchase. Date of purchase is the date indicated on the invoice issued by Allnic Audio or its authorized representative for original purchase of the new product. The warranty does not cover any damage occurring during product shipment at any time, nor any damage occurring as a result of any of this product's owner's or owners' negligence or willful mistreatment. Failure to operate or care for this product in accordance with instructions in this manual will be deemed negligent. For the warranty to be valid, this product must be returned first to Allnic Audio's authorized representative for warranty service prior to any unauthorized attempt to repair or modify it. Any repair done to or modification of this Allnic Audio product at any time performed without specific authorization from Allnic Audio or its authorized representative will void the warranty. Allnic Audio and its authorized representatives shall be the sole determiners of whether the warranty has been voided. Provided that the warranty has not been voided, the warranty is transferable for the balance of the original purchaser's warranty period.

The warranty covers parts and labour only. If required for warranty service, shipping of this product to and return to product owner from an authorized Allnic representative will be at product owner's sole cost. In the case of required factory warranty service, shipping to Korea shall be at product owner's sole cost. Provided that Allnic has determined that the warranty is not void, Allnic will pay the cost of return shipping to product owner. If Allnic determines that the warranty is void, return shipping to product owner will be at product owner's sole cost.

After expiry of the applicable warranty period or if the warranty is void, Allnic Audio and its authorized representatives are not responsible for nor obligated in any manner whatsoever to undertake, or to cover or reimburse the costs of any repairs or modifications to this product.

The warranty does not cover and Allnic Audio and its authorized representatives are not responsible for any incidental costs or damages to the person or property of original purchaser, any subsequent owner of this product, or any third party occurring as a result of any malfunction or misuse of this product however and whenever caused.

SPECIFICATIONS

FOR THE ALLNIC AUDIO AUT-8000 *SILVER* STEP-UP TRANSFORMER

Inputs:	MC (Moving Coil) unbalanced (RCA) × 2 pairs
Outputs:	Unbalanced (RCA) × 1 pair
Ground:	Screw Type x 1
Maximum Input Level (Non-clipping):	At 20Hz: 10 Times: up to 230mV 15 Times: up to 150mV 20 Times: up to 115mV 30 Times: up to 57mV At 10kHz, for any ratio: more than 10V At 1kHz, for any ratio: more than 10V
THD (Total Harmonic Distortion):	Less than 0.025% at 1 kHz, +20 dB Gain
Dimensions:	Net: 32 cm (12.6 in) (W) 11 cm (4.3 in) (H) 21 cm (8.3 in) (D) Packed: 41 cm (16.2 in) (W) 20 cm (7.8 in) (H) 31 cm (12.2 in) (D)
Weight:	Net: 3.81 Kg (8.63 lbs) Packed: 4.9Kg (10.8 lbs)

FIGURES

Figure 1 – AUT-8000 *Silver* Rear Panel View

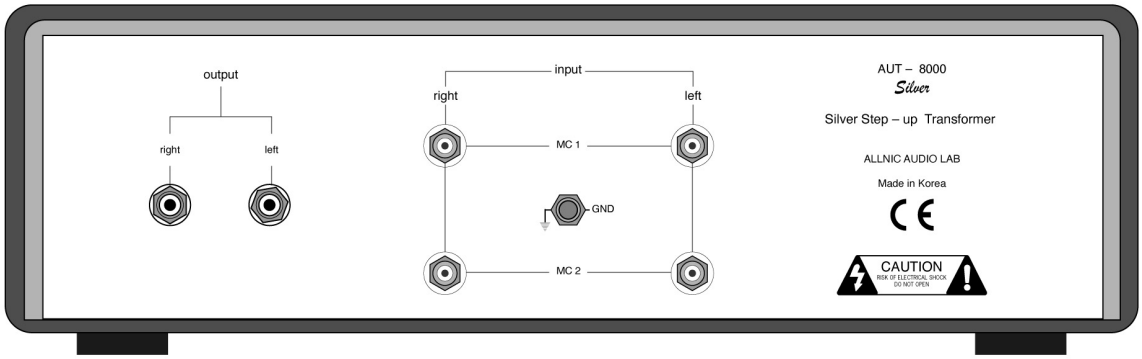


Figure 2 – AUT-8000 *Silver* Front Panel View

