

## ENGLISH

Dear Audiophile,

Congratulations and thank you for choosing AAphono preamplifier. You're now the owner of a unit that establishes a new reference in the category of high-quality and high-versatility stereophonic products. AAphono provides circuitual solutions with no compromises and features capable to satisfy advanced users' demands. We built our phono preamplifier with fully adjustable interface parameters, high-performance circuits with wide bandwidth and low noise, separated circuit sections for each channel, linear power supply and high-quality passive components. AAphono solutions make the unit a valuable and durable investment.

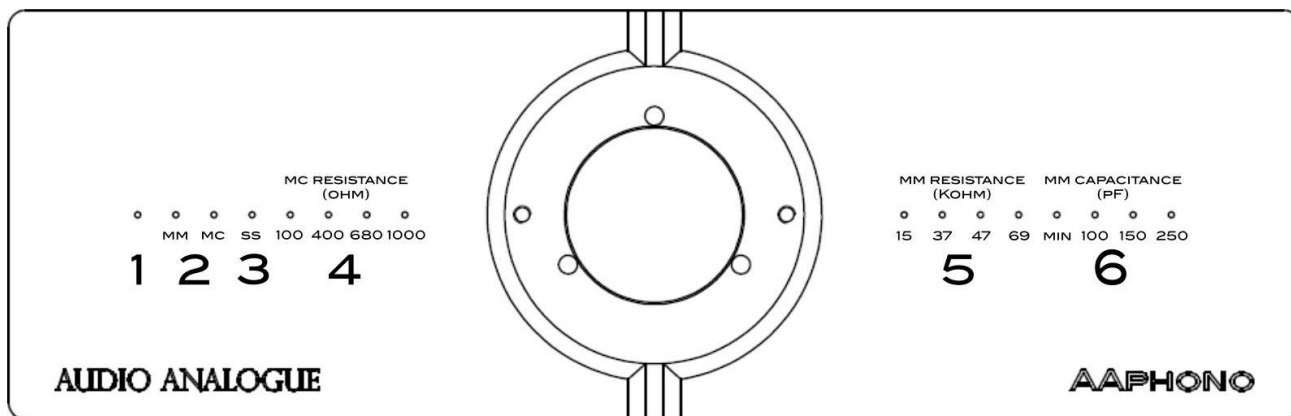
Music may increase the quality of our life, giving us relax and emotions. Our dream is to playback music the best possible way. It's a love choice.

AUDIO ANALOGUE projects, produces and sells high-fidelity audio units. Its staff of electronic engineers builds highly refined technologic units.

Each unit is tested through a sound panel that connects the prototypes to a wide range of audio and video products helping our engineers to finely tune them.

Our designer creates the unit's outfit: our houses get richer every day, why shouldn't we place beautiful and exciting objects in it?

AUDIO ANALOGUE products are distributed worldwide and we provide a competent and accurate technical support.

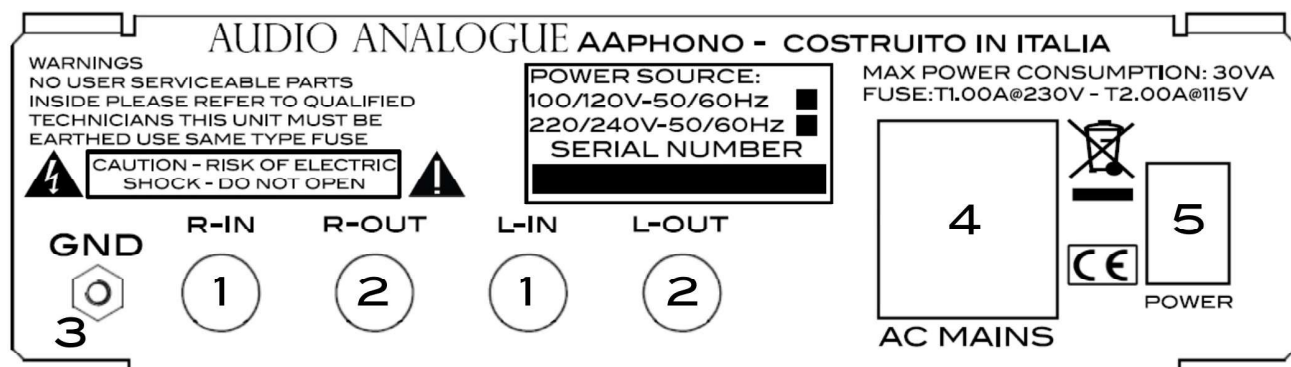


### Front panel

The front panel hosts 16 LEDs. The silkscreen under each LED explain its function. Starting from the left we have:

- 1) Stand by – Red LED is ON when the preamplifier is in standby. It's off when the unit is working or totally off (rear switch off).
- 2) MM, MC – White LEDs indicating the type of cartridge set (MM = Moving Magnet; MC = Moving Coil).
- 3) SS – White LED indicating the activation or not of the subsonic filter (-3dB @ 20Hz). A lighted LED indicates that the filter is active.
- 4) MC RESISTANCE (100, 400, 680 and 1000) – White LEDs indicating the MC resistance set in Ohm. These LEDs will be ON only if MC cartridge is set.
- 5) MM RESISTANCE (15, 37, 47 and 69) – White LEDs indicating the MM resistance set in Kohm. These LEDs will be ON only if MM cartridge is set.
- 6) MM CAPACITANCE (MIN, 100, 150 and 250) – White LEDs indicating the MM capacitance set in pFarad. These LEDs will be ON only if MM cartridge is set.

The central knob has more functions: pushing it briefly set the preamplifier out of standby pushing it for more than three seconds shut the preamplifier OFF, turning it changes the brightness of the LEDs.



### Back panel

- 1) Input connectors (R-IN = Right Input; L-IN = Left Input). Connect your turntable out here. (You may also connect your MC transformer here if you do not want to use the integrated MC Pre).
- 2) Output connectors (R-OUT = Right Output; L-OUT = Left Output). Connect here the cables to your integrated amplifier/preamplifier line input.
- 3) Ground connector (GND). Connect the ground cable of your turntable here to reduce background noise. You may also use this connector to connect AAPHONO to the amplifier ground connector to reduce background noise.
- 4) Power plug (AC MAINS). Connect here the provided power cord.
- 5) Rear Main power switch.

### Unpacking and checking preamplifier package

Carefully open the package to avoid damaging the content. The package should contain:

- AAphono preamplifier.
- Power cord.
- User manual.

If one of the items listed above is missing, please contact your Audio Analogue retailer. After extracting the smallest items from the package, pull out the unit carefully. Separate the package from the anti-shock expanded-foam protections.

### Where to place AAphono

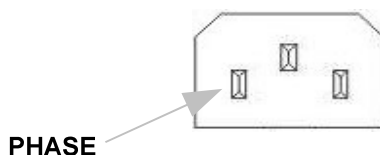
AAphono is built to amplify even the feeblest sound and is therefore capable to detect signals coming from other units. We suggest you to place AAphono at least at 30/50 cm away from units that may disturb it, such as TV sets, power adapters and amplifiers. You should also leave at least 5 cm around and above the unit and avoid placing it close to heat sources (radiators, heaters, amplifiers, TV sets) to ensure proper ventilation. Keep it far away from the vibrations produced by the loudspeakers to avoid very dangerous loud noises (Larsen effect).

### Plugging and connecting AAphono

Before connecting AAphono to an amplifier/preamplifier, please be sure that they're both unplugged from wall outlets. As a first step, connect AAphono out to the desired line in of your amplifier/preamplifier and your record player out to AAphono in and earth (GND). Please use only high-quality cables with gold-plated connectors. As a second step, connect the power cord to AC MAINS and to the wall socket. Switch the rear switch to ON. AAphono turns to bypass and the red front LED light up. At this point you can turn on the preamplifier pushing the central knob. Once on you must select MM or MC and the other configurations according to your cartridges parameters (see par. "Changing configuration"). Please keep the amplifier at the minimum volume during the configuration. The setting will be stored by the preamplifier also after a mains power interruption.

### NOTES ON CORRECT CONNECTION OF THE PHASE

The phase pin is in the left position as shown in image below. The supplied power cord has the phase pin indicated on the plug for the connection to the power network, make sure to find the right position using a phase detector screwdriver and if you replace the power cord, make sure to respect the right phase connection.



### Changing configuration

AAphono is very simple to configure. Under the preamplifier, behind the front panel, aligned to the relevant LED (or to the center of the silkscreen in case of multy LED) there are five pushbuttons one for each configuration. These are in the order:

- MM/MC
- SS
- MC RESISTANCE
- MM RESISTANCE
- MM CAPACITANCE

It's possible to change the relevant configuration pushing these buttons. The command is circular in the sense that after the last LED has been lighted up it cycles to the first. The configuration works only over the parameters of the selected type of cartridge (MM or MC). If LEDs are turned off also the push button doesn't have effect. To light up a configuration you must change the cartridge type by pressing the first button.

To change the LEDs light brightness just turn the central knob. There are three position repeated cyclically; High, Low and OFF. In OFF position when you touch any pushbutton the LEDs light up for three seconds.

### Suggestions about minimizing Record Player ground noise

AAphono in is extremely sensitive towards noise generated by round loop between record player, phono pre and line input. AAphono is equipped with a round pin that allows connecting the metallic case of the record player to the phono circuit earth (GND). This is generally sufficient to reduce ground noise. According to the cable of the record player pick-up, this may be useless or even have opposite effects. Try doing the following:

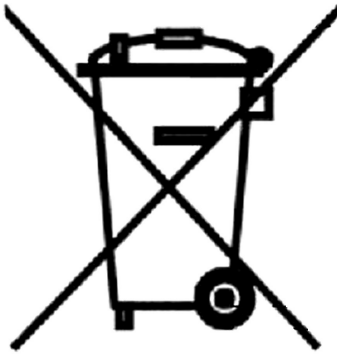
- Directly connect the case of the record player to the line pre amplifier case;
- Disconnect the record player case;
- Connect AAphono earth (GND) to the pre or amplifier case through the ground pin;
- Connect record player case to the AAphono ground pin and disconnect one of the mass pins from the cartridge (it is useful when the cartridge has two short-circuited mass connector inside its case).
- If you obtain no results, you may try with less optimal but efficient tips, such as installing an insulating transformer between AAphono and the cartridge.

### Specifications

Parameter	Measurement conditions	Value
Channels:	-	2
Max output voltage	1kHz	7 Vrms
Gain	MM, 1kHz MC, 1kHz	40 dB 60 dB
Frequency response	+/-0,25db subsonic filter ON (-3dB @ 20Hz)	10 Hz - 20kHz 20 Hz – 20 kHz
Signal/noise ratio	MM, 20Hz-20kHz, A weighted MC, 20Hz-20kHz, A weighted	85dB 65dB

### TROUBLESHOOTING

Symptom	Cause	Remedy
No led on No sound	Power cord incorrectly plugged in	Make sure the power cord is correctly plugged into the wall outlet
	Burned-out fuses	Check fuses in the fuse holder under the IEC inlet (after unplugging the power cord from the wall outlet) and replace them with new ones of the same type, if necessary
Playback started, but no sound	Cables between AAphono and turntable or amplifier not properly connected or defective	Check cable status and/or correct connection
<b>If the suggested remedies do not work or the problem is not shown in the list above, please contact your local Audio Analogue retailer.</b>		



Attention: Your product is marked with this symbol. It means that used electrical and electronic products should not be mixed with general household waste. There is a collection system for these products.

#### **A. INFORMATION ON DISPOSAL FOR USERS (PRIVATE HOUSEHOLDS)**

##### **1 In the European Union**

Attention: If you want to dispose of this equipment, please do not use the ordinary dust bin.

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private households within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge\*. In some countries\* your local retailer may also take back your old product free of charge if you purchase a similar new one.

\*) Please contact your authority for further details.

If your used electrical or electronic equipment has batteries or accumulator, please dispose of these separately before and according to local requirements.

By disposing of this product correctly you will help ensure that the waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

##### **2. In other countries outside the EU**

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

#### **B. INFORMATION ON DISPOSAL FOR BUSINESS USERS**

##### **1. In the European Union**

If this product is used for business purposes and you want to discard it:

Please contact your Audio Analogue dealer who will inform you about the take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

##### **2. In other Countries outside the EU**

If you wish to discard this product, please contact your local authorities and ask for the current method of disposal