



BY PRO-JECT AUDIO SYSTEMS

INSTRUCTIONS FOR USE Pro-Ject Phono Box

Dear music lover,

thank you for purchasing a PRO-JECT AUDIO phono amplifier.

In order to achieve maximum performance and reliability you should study these instructions for use carefully.



Warning of a hazard for the user, the unit or possible misuse.



Important notice.

Safety instructions

AC outlet voltages vary from country to country. Before connecting to the mains, make sure that the voltage in your area meets the voltage requirements printed on the power supply.

The power supply is used to disconnect the unit from the mains. Make sure that the power supply is easily accessible at all times. Never handle the device, the power supply while your hands are wet or damp.



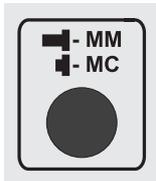
Avoid letting liquids enter the device or the power supply. Never place any item containing liquid, such as a flower vase on or near the device. Never spill any liquid on the device or the power supply.

Never place any naked flame sources, such as lighted candles on or near the device. The product shall not be used in damp or wet locations, next to a bathtub, sink, swimming pool or any other similar conditions.

Setting the cartridge mode

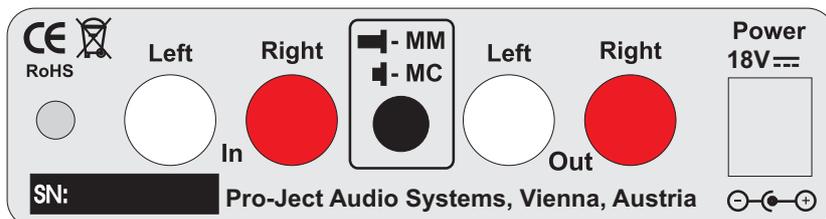
The phono amplifier can be used in either MM (for moving magnet and high-output MC cartridges) or MC (for low-output MC cartridges) mode according to the construction principle of the pickup cartridge to be used. Since most cartridges use the MM principle the phono amplifier is factory set to operate in this mode. To find out which type your cartridge is please consult the literature accompanying your cartridge. If in doubt please consult your dealer.

A switch at the back of the phono amplifier sets the correct level of amplification for the cartridge.



Before setting MM / MC mode the unit must be disconnected from the power supply and amplifier.

Connectors



Make all connections whilst the phono amplifier is disconnected from the power supply.

Take care to connect the left and right channels correctly. The right channel is usually marked red, the left channel black or white.



Do not connect the phono amplifier's output to a phono input (sometimes labelled **gram**, **disc** or **RIAA**) on the amplifier.

Never use any other power supply than the one supplied with the unit.

Connecting the record player

Connect the tonearm signal lead to the **In** of the phono amplifier. The earthing wire may be connected to the screw terminal if you encounter hum problems when using the record player.

Connection to the amplifier

Connect the **Out** of the phono amplifier to a line input (such as **AUX, CD, Tuner, Tape** or **Video**) on your amplifier.

Mains power connection

Connect the low voltage plug from the power supply to the **Power 18V** socket of the phono amplifier before connecting the power supply to the mains.

Technical specifications Pro-Ject Phono Box

^A Typical for low output MC cartridges, ^B typical for MM or high output MC cartridges

Input capacitance/input impedance, MC: 100ohms/120pF^A

Input capacitance/input impedance, MM: 47kohms/120pF^B

Gain, MM / MC: 40dB / 60dB

Output voltage typically, MM / MC: 300mV at 1kHz - 3mV (MM Input) / 0,3mV (MC input)

Max. output: 9,5V (1kHz)

Noise floor, MM / MC: 94dB (A weighted) / 75dB (A weighted)

THD, MM / MC: 0,01 / 0,05%

RIAA-equalisation curve accuracy: 20Hz - 20kHz / max. 0,5dB

Input: 1 pair RCA/phono sockets

Line-level output: 1 pair RCA/phono sockets

Outboard power supply: 18V/500mA DC, suitable for your country's mains supply

Power consumption: 80mA DC

Dimensions W x H x D (D with sockets): 103 x 36 x 104 (115)mm

Weight: 570g without power supply

Potential incorrect use and fault conditions

No signal on one or both channels:

No connection between player and phono amplifier or amplifier. This could be due to a faulty plug, broken wire or solder joint or simply loose plug/socket connection.

Strong hum:

No earth connection from cartridge or arm, or arm cable to phono amplifier, or earth loop.

Output too quiet or too loud, or distorted:

MM / MC mode incorrectly set - input overloading or insufficiently amplified.

Service

Should you encounter a problem which you are not able to alleviate or identify despite the above information, please contact your dealer for further advice. Only when the problem cannot be resolved there should the unit be sent to the responsible distributor in your country.

Warranty



The manufacturer accepts no responsibility for damage caused by not adhering to these instructions for use. Modification or change to any part of the product by unauthorized persons release the manufacturer from any liability over and above the lawful rights of the customer.

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