



INSTRUCTIONS FOR USE  
Tube Box S3 B

Dear music lover,

thank you for purchasing a Pro-Ject Audio Systems 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

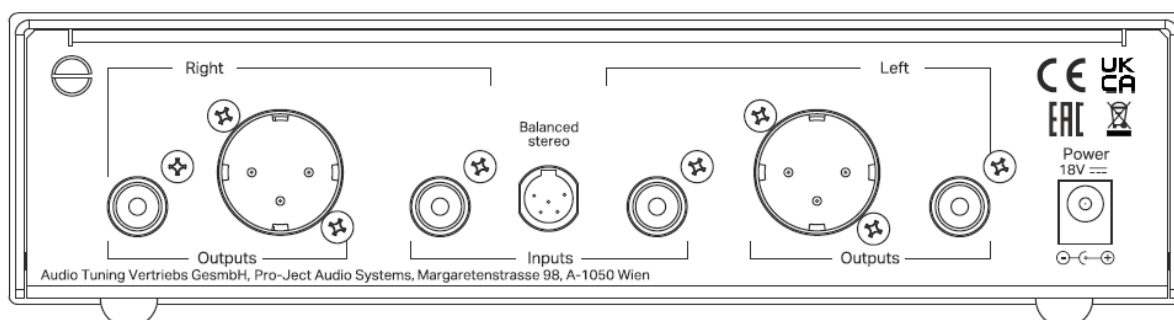
AC outlet voltages vary from country to country. Before connecting to the mains, make sure that the voltage in your area meets the voltage requirements printed on the power supply.



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.

## 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 amplifiers 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** (5-pin mini XLR or RCA) of the phono amplifier. If you connected the lead to the RCA input, please also connect the grounding wire to the screw terminal of the Tube Box.

## Connection to the amplifier

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



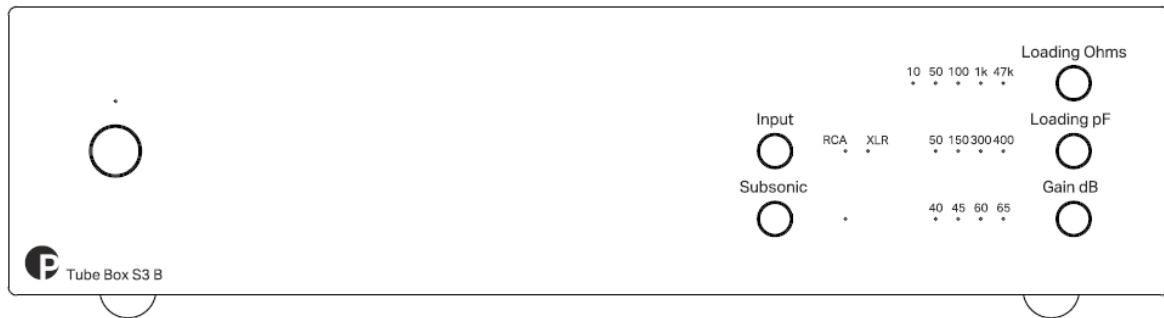
*RCA and XLR outputs are separated and both play all the time. 2 amplifiers can be connected.*

## Mains power connection and switching the unit on and off

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

The pushbutton on the front panel of the unit alternately turns the power on or returns it to standby mode. The blue LED on the front panel shows that the unit is powered on.

## Settings



### Input

Selects balanced (5-pin mini **XLR**) or unbalanced (**RCA**) input.



*2 turntables can be connected to the preamplifier and this button acts as input selector, settings for each input are stored in memory.*

### Cartridge settings

The three push buttons on the right-hand side are used to set input impedance (**Loading Ohms**), input capacitance (**Loading pF**) and input gain (**Gain dB**).

To find out which type your cartridge is please consult the literature accompanying your cartridge. The literature for cartridges should also specify the correct input impedance and input capacitance, into which the cartridge is designed to work. If in doubt, please consult your dealer.

### Examples:

#### Ortofon 2M Red (MM):

Input impedance 47kohms, Input capacitance 147pF, Input gain 40dB

#### Ortofon Quintet Red (Low-Output MC):

Input impedance 50 ohms, Input capacitance - Any setting (not relevant for low-output MC), Input gain 60dB

#### Ortofon X5-MC (High-Output MC):

Input impedance 47kohms, Input capacitance 367pF, Input gain 40dB

### Subsonic

The push button turns the subsonic filter on and off. The LED shows that the filter is turned on.

## Technical specifications Pro-Ject Tube Box S3 B

Input impedance:	10, 50, 100, 1k, 47k ohms
Input capacitance:	50, 150, 300, 400 pF
Gain (+ 6dB using XLR Out sockets):	40, 45, 60, 65 dB
Signal / Noise ratio MM (40dB):	97dBV, 105dBV - 'A' weighted
Signal / Noise ratio MC (60dB):	83dBV, 88dBV - 'A' weighted
THD at 1 kHz:	<0,005% MM, < 0,01% MC
THD (20Hz-20kHz):	<0,1% MM, < 0,03% MC
RIAA-equalization curve accuracy:	<0,4dB / 20Hz - 20kHz
Subsonic filter:	at 20Hz with 18dB/octave
Input:	1x 5-pin mini XLR / 1x pair RCA phono sockets
Line-level output:	1x pair RCA, 1x pair XLR
Power supply DC:	18V/1000mA
Power consumption:	18V/800mA DC, <0.5 W in standby
Dimensions:	206 x 81 x 153 (164 with sockets) mm (W x H x D)
Weight:	1010g 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:

Input gain incorrectly set - input overloading or insufficiently amplified.

## Service

Should you encounter a problem which you are not able to alleviate or identify, please contact your dealer for further advice. Only if the problem cannot be resolved there, the unit should 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 changes 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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