BOX•DESIGN

BY PRO-JECT AUDIO SYSTEMS

INSTRUCTIONS FOR USE
Pro-Ject Head Box S2 Digital

Dear music lover,

thank you for purchasing a Pro-Ject Audio Systems headphone 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*
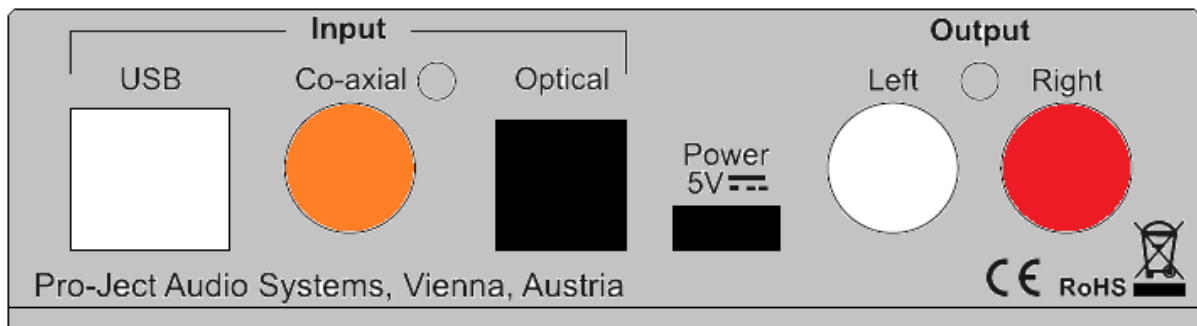
👉 *Important notice*

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 or 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 preamplifier 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.

Mains power connection

The unit offers 2 possibilities:

1. USB input is not used: Connect the low voltage plug from the power supply to the micro-USB socket **Power 5V DC** before connecting the power supply to the mains.

2. USB input is in use: Unit can be powered directly from computer via USB input. In this case is highly recommended to disconnect Power 5V DC cable from the unit - power disturbances from two power supplies could affect sound performance.

Outputs

The unit is equipped by a pair of analogue output RCA socket on the back panel. Connect the **Output** RCA socket to a line input on your amplifier.

Headphone connection

Connect a headphones to the socket on the front panel (Jack 6,3mm). Rear output is muted when headphones are in use.

Inputs

The unit offers 3 digital inputs: USB, Optical and Co-axial
<u>USB:</u> is dedicated for connection to a Computer. Connect the USB input of the unit to a free USB-socket on your computer and turn it on/make sure it is powered on.

Driver installation (Windows® operating systems only)
* For Windows® operating systems an USB driver (supplied on CD) has to be installed. Mac OS® operating systems do not need an additional driver.

For example - Windows 7® and newer operating system:

→ Control Panel → Hardware and Sound → Sound → Playback:
select **Speaker/ProJect Head Box S2 Digital**

→ Properties → Supported formats: **make sure nothing is assigned**

→ Level → Sound: setting must be **100**

→ Enhancements: **disable all enhancements** → Advanced → Default Format: set to **studio quality 24/192**
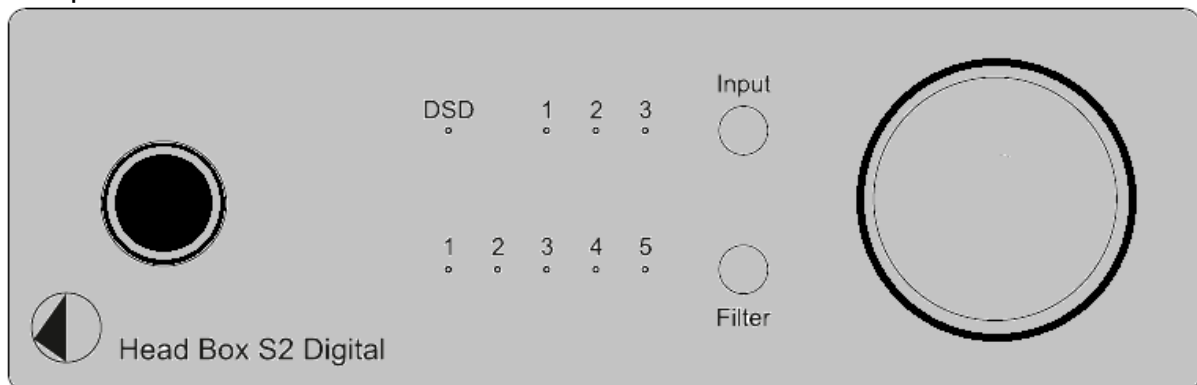
Windows 10 operating systems support 24/192 playback (wasapi), installation of supplied (ASAPI) driver is not necessary.

👉 *Please note: Connection should be made to an USB-socket of your computer directly. Connecting to USB-hubs or switches can cause problems.*

<u>Co-axial</u> **and** <u>Optical</u>**:** Use appropriate cables to connect to sources of digital signal like CD players, streamers, TV set etc.

Front panel

Volume

Adjust the volume to the desired level using the knob on the right side of the front panel.

Input selector

After the unit is powered on, operating the button **Input** selects the inputs in turn. The selected input is indicated by the LED´s (1-Optical, 2-Co-axial, 3-USB). Blinking LED indicates no signal.

DSD

LED is illuminated when streaming DSD data over USB input. (playback of DSD on Windows computer requires driver from supplied CD) and a software player capable of playing DSD files.

Filters

Filter button select filters in turn:
1 - Optimal Transient
2 - Fast Roll off (Linear Phase Fast Roll off)
3 - Slow Roll off (Linear Phase Slow Roll off)
4 - Minimum Phase (Minimum Phase Slow Roll off)
5 - Apodizing Hybrid

Filter setting and selected input are stored after turn off the unit.

Technical data

Digital inputs	1x USB (B), 1x Co-axial (RCA), 1x Optical (TOSLink)
D/A-converter	1x ESS9038K2M 32-bit
Playback formats	USB: up to DSD256, PCM up to 32b/768kHz
	Optical: PCM up to 24b/96kHz
	Coaxial: PCM up to 24b/192kHz
Filter settings	5 different selectable on front
Frequency response	20Hz - 20kHz
Analogue outputs	6.3mm Headphone (front), 1x Variable Out (RCA)
Output voltage	2,05 Veff
Minimal recommended headphone impedance 8ohms	
Headphone output power	6,6mW/600ohms, 68mW/32ohms
THD	0,0007% at 0dB, 2V RMS, 1kHz
Dynamic range	120dBA
Outboard Power supply	5V/1A DC (included)
Dimensions W x H x D	103 x 37 x 122 mm (including knob and connectors)
Weight (without power supply):	360g

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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