



BY PRO-JECT AUDIO SYSTEMS

INSTRUCTIONS FOR USE Pro-Ject Head Box DS

Dear music lover,

thank you for purchasing a PRO-JECT AUDIO 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

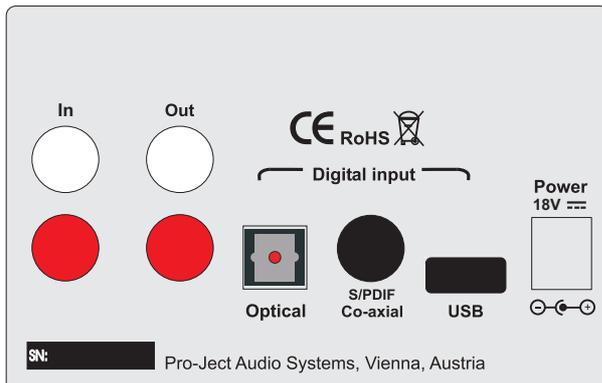
AC outlet voltages vary from country to country. Before connecting to the mains, make sure that the voltage in your area meets the voltage requirements printed on the power supply.

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, 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.

Connections



Make all connections whilst the 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.

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

Connection to the amplifier (recorder)

Connect the **TAPE / RECORD OUT** RCA/phono sockets from your amplifier to the **In** RCA/phono sockets of the headphone amplifier. The **Out** RCA/phono sockets of the headphone amplifier can be connected to the input sockets of your recorder.

Inputs

Sources with a digital output such as a CD player can be connected to the digital inputs (coaxial and optical). A computer can be connected to the USB input.

Connecting to a Computer

Connect the USB-input to a free USB-socket on your computer and turn it on/make sure it is powered on. The DAC will be automatically recognised by the computer. There is no need to install a driver manually.

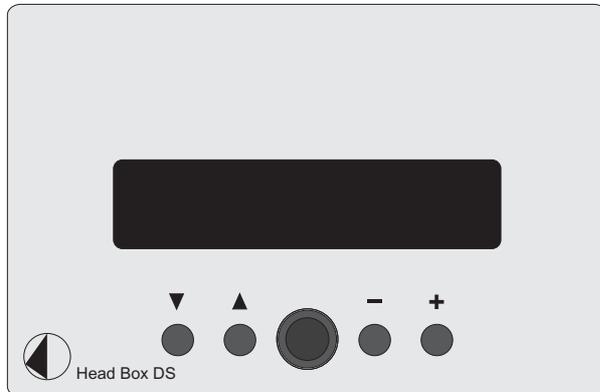


Please note: Connection should be made to an USB-socket of your computer directly. Connecting to USB-hubs or switches can cause problems.

Mains power connection

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

Front panel controls



Please set the volume level to minimum before connecting the headphone.
Minimum impedance of the head phone 30ohms.

To switch on from standby or to standby

▼ will toggle the unit between its fully operational status and standby.

Input selector

Pressing ▲ repeatedly selects the inputs in turns. The selected input and the sampling frequency of the input signal will be shown in the display.

Connecting a headphone

Connect the headphones to the ¼" (6,3mm Ø) jack socket on the front of the headphone amplifier.

Volume

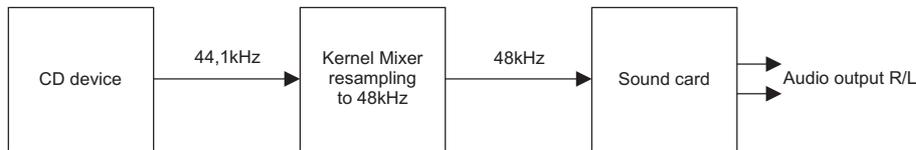
Adjust the volume (87 steps) to the desired level using the buttons - and +. The volume level will be shown in the display. **-87dB** indicates min., **00dB** max..

Headphone replay

Use the input selector of the amplifier to choose the source you wish to hear.

Pro-Ject Direct Streaming - Kernel Streaming (Windows XP® operating system only)

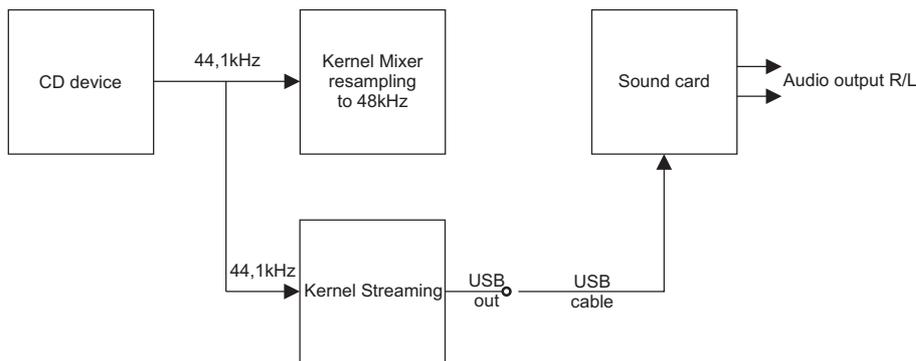
Normally the audio data that comes from CD gets resampled by the Windows® Kernel Mixer. This conversion process deteriorates the audio performance.



Pro-Ject Direct Streaming allows bit-by-bit processing. This avoids unwanted signal alteration of the original signal through by-passing the Windows® Kernel Mixer of your PC.

For replay a suitable software player, like for instance foobar2000, will be needed.

If Pro-Ject Direct Streaming will not be used, any software player will be suitable.



Pro-Ject Direct Streaming and foobar2000 software

Download the software (<http://box-designs.com/main.php?prod=usbbox&cat=digital&lang=en>) and install it. To do so, double-click **install.bat** and follow the instructions.

Complete the installation by restarting the computer.



Please be aware that downloads from the Internet are made entirely at your own risk. Under no circumstances can we carry responsibility or provide support for software products sourced from the internet or for any damage or problems arising from the use thereof. All downloads should be checked with an up-to-date anti-virus programme. License fees may be applicable.

Potential incorrect use and fault conditions

No signal on one or both channels:

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

Headphone does not work:

Headphone volume control is at minimum.

Amplifier Tape-Monitor circuit is not activated.

Technical specifications Pro-Ject Head Box DS

Power output:	350mW/30ohms, 60mW/300ohms
Headphone connection:	> 30ohms
Signal to noise:	112dB (A weighted) at full output
Frequency response:	20Hz - 20kHz/-0,5dB
THD:	0,00%
Gain:	9dB
Headphone jack:	3-pole ¼" (6,3mm Ø) co-axial jack
Line-level input:	1 pair RCA/phono sockets
Line-level output:	1 pair RCA/phono sockets
A/D-converter:	Cirrus Logic CS4344. 24Bit/192kHz Delta Sigma-D/A-Wandler
Supported audio format:	PCM (LPCM). No support for multi channel formats like Dolby® AC-3 or DTS™
Sampling rates	
USB input:	44,1kHz and 48kHz
Optical input:	44,1kHz, 48kHz, 88,2kHz and 96kHz
Coaxial input:	44,1kHz, 48kHz, 88,2kHz, 96kHz, 176,4kHz and 192kHz
USB input:	5 pin mini b connector (USB cable supplied)
USB signal:	digital serial data protocol USB 2.0
Operating systems:	Windows XP®, Windows VISTA®, Windows 7® and Mac OS®
Outboard power supply:	18V/1.000mA DC, suitable for your country's mains supply
Power consumption:	500mA DC, <1W in standby
Dimensions W x H x D (D with sockets):	103 x 72 x 144 (150)mm
Weight:	990g without power supply

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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