



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

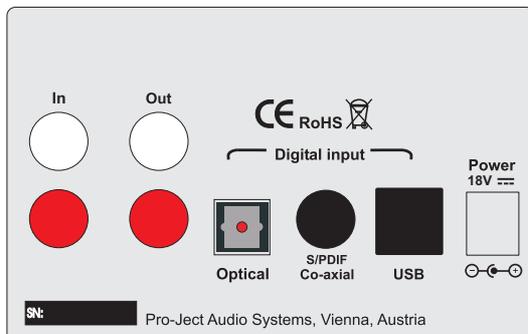
AC outlet voltages vary from country to country. Before connecting to the mains, make sure that the voltage in your area meets the voltage requirements printed on the power supply.

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, **except the connection to the computer and the headphone**, whilst the unit 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

Connect the **TAPE / RECORD OUT** RCA/phono sockets from your amplifier to the **In** RCA/phono sockets of the headphone amplifier.

Alternatively analogue sources like CD player or tuner can be reconnected to the **In** sockets directly.

## Digital inputs

Sources with an 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.

The signal of the connected digital sources can be relayed to an analogue input of the amplifier via the **Out** socket.

## Connecting to a Computer

Connect the USB-input of the headphone amplifier (unit must be switched on) to a free USB-socket on your computer and turn it on/make sure it is powered on. The amp will be automatically recognised by the computer \*. For Windows® operating systems a 24Bit/192kHz driver (supplied on CD) has to be installed. Mac OS® operating systems support 24Bit/192kHz as a standard.

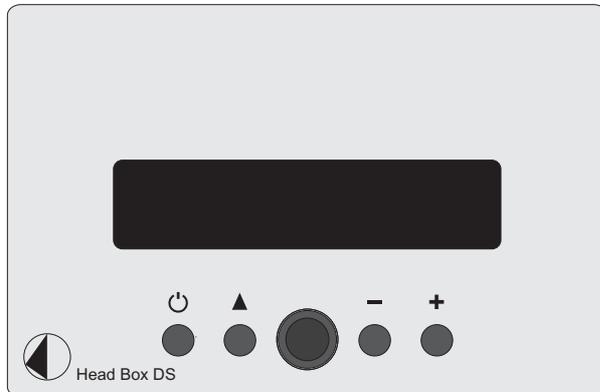


Please note: Connection should be made to an USB-socket of your computer directly. Connecting to USB-hubs or switches can cause problems.

## 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. After switching on, the USB input will be selected automatically.

## Input selector

Pressing ▲ repeatedly selects the inputs in turns. The selected input and the sampling frequency (digital inputs only) of the input signal will be shown in the display. The sampling frequency shown for the analog input is irrelevant.

## 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 or the headphone amplifier to choose the source you wish to hear.

## 24Bit/192kHz driver (Windows® operating systems only)

\* For Windows® operating systems a 24Bit/192kHz driver has to be installed.

Insert the CD (supplied with the unit) into you computer drive and follow the installation routine.

Finish the installation by restarting the computer.

**After installing the 24Bit/192kHz driver, some setting have to be done.**

For example - Windows 7® operating system:

- Control Panel → Hardware and Sound → Sound → Playback: select **Project HeadBox DS USB 2.0 Audio Out**
- 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**

## 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 converter
Supported audio format:	PCM (LPCM). No support for formats like Dolby® Digital or DTS™
Sampling rates	
Optical input:	44,1kHz, 48kHz, 88,2kHz and 96kHz
Coaxial input and USB input:	44,1kHz, 48kHz, 88,2kHz, 96kHz, 176,4kHz and 192kHz
USB input:	5 pin b connector (USB cable supplied)
USB signal:	digital serial data protocol USB 2.0
Operating systems:	Windows XP®, Windows Vista®, Windows 7®, Windows 8® 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.*

## Copyright, trademarks

PRO-JECT is a Registered Trademark of H. Lichtenegger.

This guide was produced by: Audio Trade GmbH

Copyright © 2012. All rights reserved.

The information was correct at the time of going to press. The manufacturer reserves the right to make changes to the technical specification without prior notice as deemed necessary to uphold the ongoing process of technical development.

Windows XP®, Windows Vista®, Windows 7® and Windows 8® are trademarks of the Microsoft group of companies. Mac® and Mac OS® are trademarks of Apple Inc., registered in the U.S. and other countries. Dolby® is a registered trademarks of Dolby Laboratories. DTS™ is a registered trademark of DTS, Inc..