



BY PRO-JECT AUDIO SYSTEMS

INSTRUCTIONS FOR USE Pro-Ject DAC Box DS

Dear music lover,

thank you for purchasing a Pro-Ject Audio Systems DAC Box DS.

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

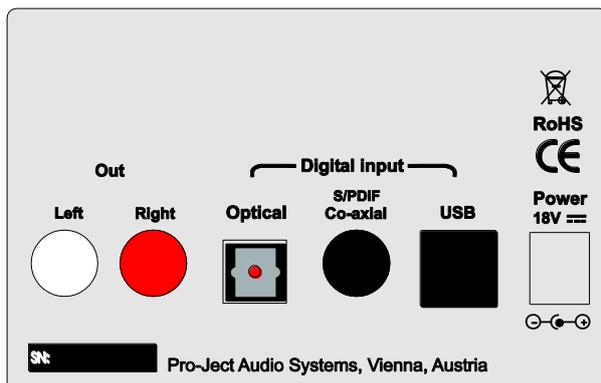
AC outlet voltages vary from country to country. Before connecting to the mains, make sure that the voltage in your area meets the voltage requirements printed on the power supply.

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, **except the connection to the computer, whilst the unit is disconnected from the power supply. Connect the unit to the mains and switch it on before connecting it to the computer.**



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 **Out** socket to a line input (such as **AUX**) on your amplifier.

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 DAC supports PCM (LPCM) format only. The DAC does not work with audio formats like DTS™ or Dolby® Digital. If the DAC is used with a TV satellite/cable receiver or a TV sets with an integrated satellite/cable receiver, make sure that in the set-up menu of your receiver/TV set, the format of the digital signal, relayed to the digital output used is set to PCM.

Connecting to a Computer

Connect the USB-input of the DAC (unit must be switched on) 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.

* 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.

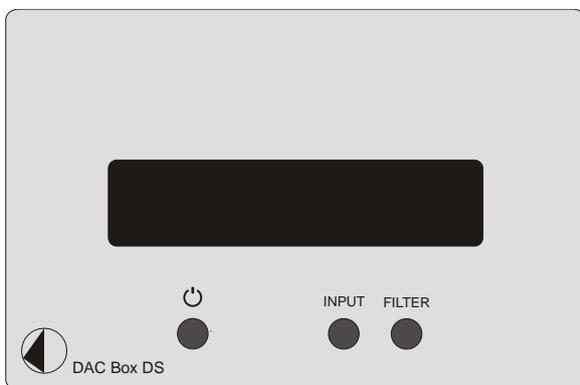


Please note: Connection should be made to an USB-socket of your computer directly. Connecting to USB-hubs or switches can cause problems.

Mains power connection

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

Front panel controls



To switch on from standby or to standby

⏻ will toggle the DAC between its fully operational status and standby.

Input selector

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

Filter

FILTER will toggle between the two filters available. The selected filter will be shown on the display.

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

* For Windows® operating systems a 24Bit/192kHz driver has to be installed. Insert the included CD into the drive of you PC and follow the instructions.

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 DAC 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**

DSD playback

Playback of DSD files (.dff, .dsf) is possible over USB. Player capable of playing DSD files is required in your computer. Setup guide is available on our website <http://www.box-designs.com>

Firmware updates

We strongly recommend to check our website <http://www.box-designs.com> for firmware updates. Always use the last release of the firmware for the best performance.

Technical specifications Pro-Ject DAC Box DS

Line-level output:	1 pair RCA/phono sockets
Output voltage:	2Vrms
Digital outputs:	1 x coaxial (S/PDIF), 1 x optical (TOSlink®), 1 x USB (B socket).
USB input:	digital serial data protocol USB 2.0
THD:	<0,01%
Operating systems:	Windows XP®, Windows VISTA®, Windows 7®, Windows 8®, Mac OS®
D/A converter:	Burr Brown PCM1792. 24Bit/192kHz, 8-times oversampling
Supported audio format:	PCM (LPCM), DoP (DSD over PCM), No support for formats like Dolby® Digital or DTS™
Sampling rates	
Coaxial input and USB input:	44,1kHz, 48kHz, 88,2kHz, 96kHz, 176,2kHz and 192kHz
Optical input:	44,1kHz, 48kHz, 88,2kHz and 96kHz
DSD support	DSD64, DSD128
Outboard power supply:	18V/500mA DC; suitable for your country's mains supply
Power consumption:	350mA DC, <1W in standby
Dimensions W x H x D (D with sockets):	103 x 72 x 144 (150)mm
Weight:	1.010g 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 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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