BOX•DESIGN

BY PRO-JECT AUDIO SYSTEMS

INSTRUCTIONS FOR USE
Pro-Ject DAC Box DS

Dear music lover,

thank you for purchasing a PRO-JECT AUDIO DAC Box DS.

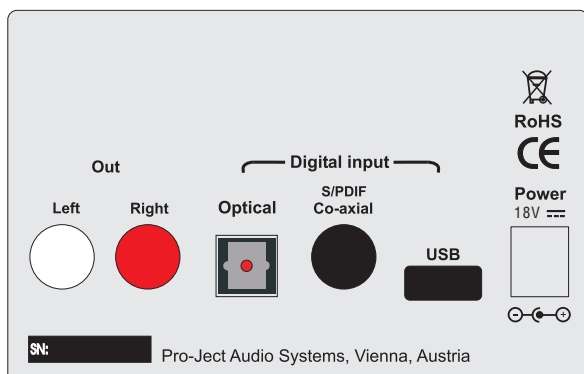In order to achieve maximum performance and reliability you should study these instructions for use carefully.

⚠ *Warning of a hazard for the user, the unit or possible misuse.*

☞ *Important notice.*

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.

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. There is no need to install a driver* manually.
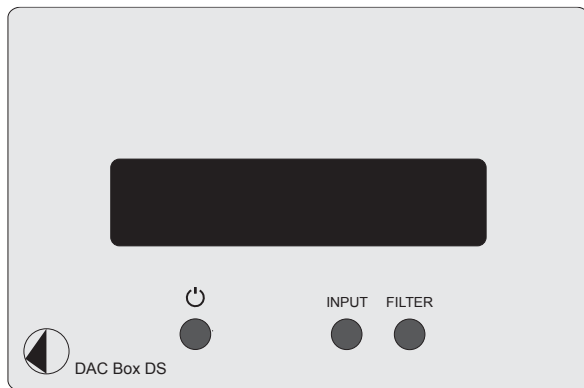
☞ *Please note: Connection should be made to an USB-socket of your computer directly. Connecting to USB-hubs or switches can cause problems.*

Mains power connection

The unit is supplied with a power supply suitable for your country's mains supply. Check the label before connecting to ensure compliance with the mains rating in your house. 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

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 in the display.
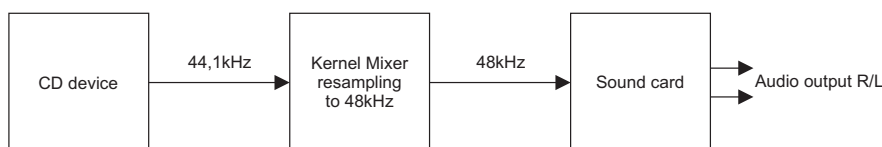
Filter

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

24Bit/kHz192 driver (Windows operating systems only)

*For Windows operating system a 24Bit/kHz192 driver must be installed.
Insert the included CD into the drive of you PC and follow the instructions.

Complete the installation by restarting the computer.

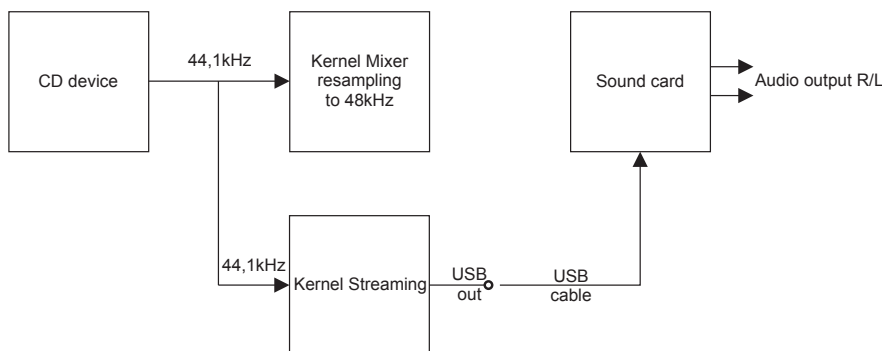## Pro-Ject Direct Streaming - Kernel Streaming (Windows XP® operating system only)

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

| CD device | →44,1kHz→ | Kernel Mixer resampling to 48kHz | →48kHz→ | Sound card | → Audio output R/L |

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.

CD device —44,1kHz→ Kernel Mixer resampling to 48kHz

Sound card → Audio output R/L

CD device —44,1kHz→ Kernel Streaming — USB out ⊶ — USB cable → Sound card

Pro-Ject Direct Streaming and foobar2000 software

Download the software (http://box-designs.com/main.php?prod=dacboxusb&cat=default&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.*

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 (mini B socket)
USB-input:	digital serial data protocol USB 2.0
THD:	< 0,01%
Operating systems:	Windows XP®, Windows VISTA®, Windows 7® and Mac OS
D/A converter:	Burr Brown PCM1792. 24Bit/192kHz, 8-times oversampling
Supported audio format:	PCM (LPCM). No support for multi channel formats like AC3 or DTS
Sampling rates	
Coaxial input and USB input:	32kHz, 44,1kHz, 48kHz, 88,2kHz, 96kHz, 176,2kHz and 192kHz
Optical input:	8kHz, 16kHz, 32kHz, 44,1kHz, 48kHz, 88,2kHz and 96kHz
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 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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