



INSTRUCTIONS FOR USE  
Pro-Ject DAC Box USB

Dear music lover,

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

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

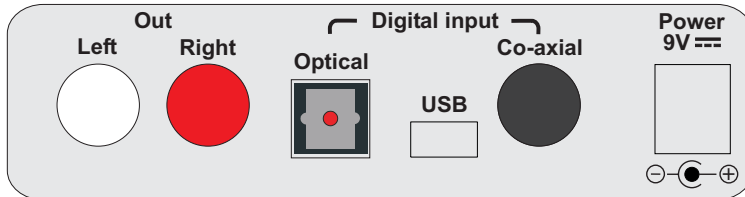


Warning of a hazard for the user, the unit or possible misuse.



Important notice.

## Connectors



Make all connections, **except the connection to the computer**, whilst the converter is disconnected from the power supply. Connect the converter **to the mains 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.

## Connection to the amplifier

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

## Inputs

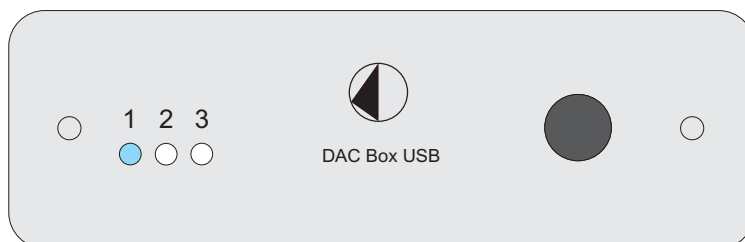
Sources with an digital output such as a CD player can be connected to the digital inputs (coaxial and optical). A computer can be connected to the USB input (see next page).

## 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 9V** socket before connecting the power supply to the mains.

## Input selector

Pressing the grey button on the front of the DAC Box USB selects the three digital inputs in turn. The selected input will be shown by the corresponding LED on the DAC Box USB.



## Connecting to a Computer (Windows XP® operating system)

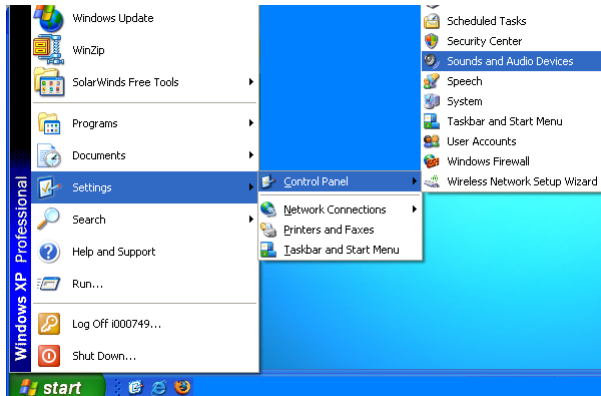
1. Connect the USB-input of the DAC Box USB to a free USB-socket on your computer and turn it on/make sure it is powered on.



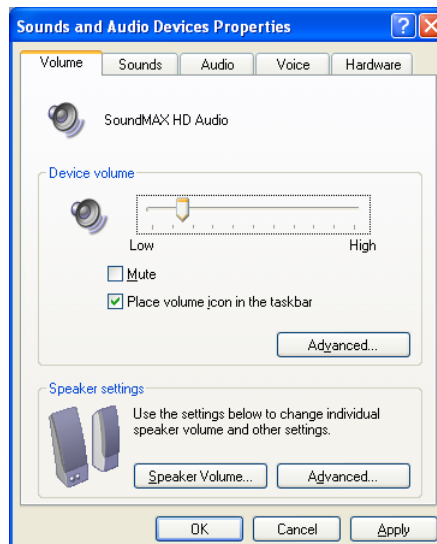
Please note: Connection should be made to an USB-socket of your computer directly. Connecting to USB-hubs or switches can cause problems.

2. The “new hardware found assistant” will detect the unit and announces it as a “USB loudspeaker”.

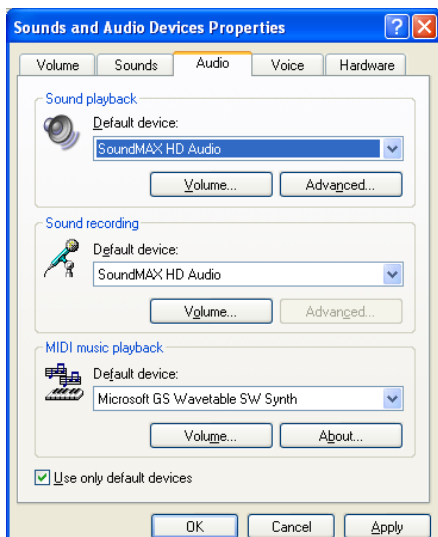
3. open the System menu via “Start” (Windows key)  
→ Settings  
→ Control Panel  
→ Sound and Audio Devices



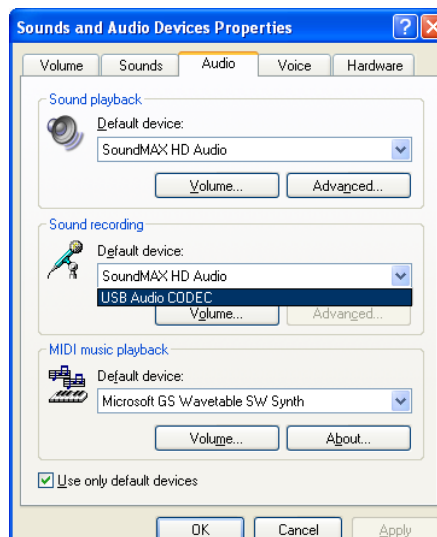
4. In the control panel open the “Sound and audio” menu.



5. In the Sounds and Audio panel select the Audio tab. In the Replay section select your sound card from the pull-down lists (usually preselected).



6. Select the USB Audio CODEC from the pull down list in the Playback section. Make sure your sound card is selected for Recording.



7. Confirm your selections by clicking the OK button and close the control panel windows.

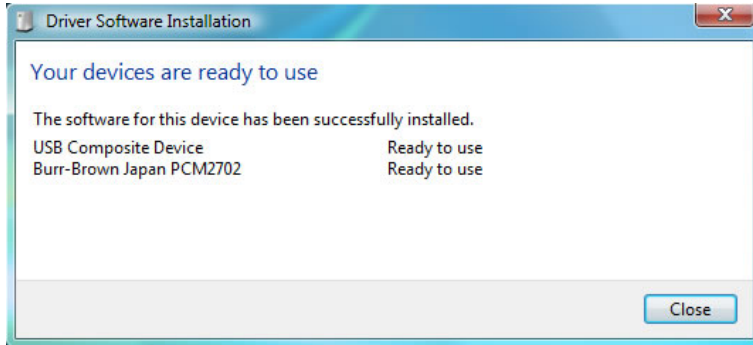
## Connecting to a Computer (Windows Vista® operating system)

1. Connect the USB-output of the DAC Box USB to a free USB-socket on your computer and turn it on/make sure it is powered on.

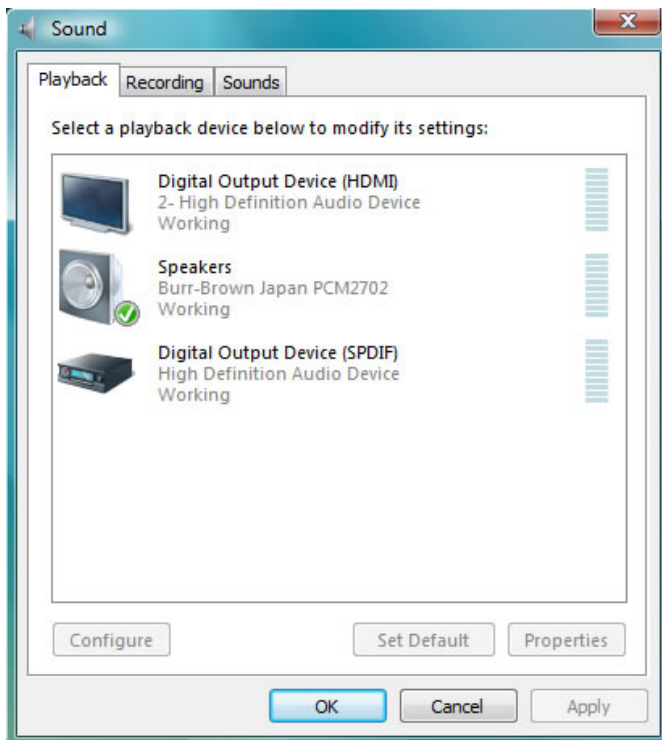


*Please note: Connection should be made to an USB-socket of your computer directly. Connecting to USB-hubs or switches can cause problems.*

2. The “new hardware found assistant” will detect the unit and announces it as “**Burr-Brown PCM2702**”.



3. Open the Playback panel. → **Start** → **Control Panel** → **Hardware and Sound** → **Sound** → **Playback**  
In the Playback panel **Burr-Brown PCM2702** (announced as Speakers) should be selected (usually preselected).



4. Click the OK button and close the control panel windows.

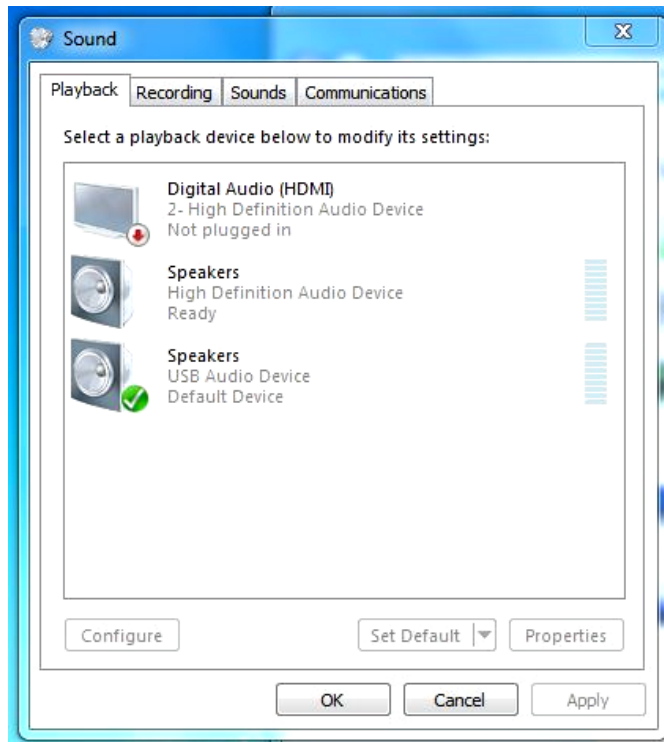
## Connecting to a Computer (Windows 7® operating system)

1. Connect the USB-output of the DAC Box USB to a free USB-socket on your computer and turn it on/make sure it is powered on.



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

2. Open the Playback panel. → **Start** → **Control Panel** → **Hardware and Sound** → **Sound** → **Playback**  
In the Playback panel **USB Audio Device** (announced as Speakers) should be selected (usually preselected).



3. Click the OK button and close the control panel windows.

## Connecting to a Computer (e. g. with Mac OS Safari operating system)

1. Connect the USB-output of the DAC Box USB to a free USB-socket on your computer and turn it on/make sure it is powered on.



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

2. Open the System Preferences panel and select **SOUND**.



3. Open the Sound panel and select **Output**.

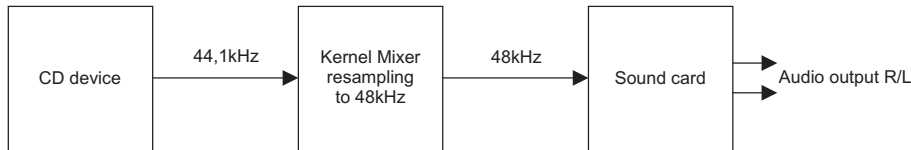


4. Select **Burr-Brown Japan PCM2720** in the Output panel.

3. Confirm the settings and close all windows.

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

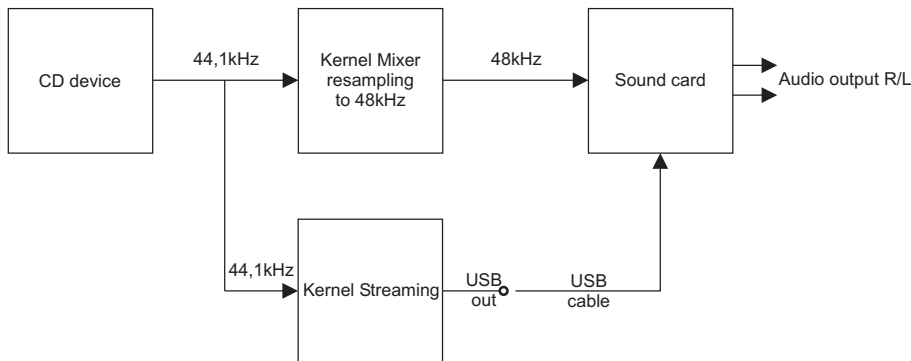
Normally the audio data that comes from CD gets resampled by the Windows® Kernel Mixer. This conversion process deteriorates the audio performance.



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=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.



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## Technical specifications Pro-Ject DAC Box USB

Line-level output:	1 pair RCA/Phono sockets
Output voltage:	1Vrms
Digital outputs:	1 x coaxial (S/PDIF) 1 x optical (TOSlink®) 1 x USB (mini B socket)
USB-input:	digital serial data protocol USB 1.1
THD:	0,0035%
Operating systems:	Windows XP®, Windows VISTA®, Windows 7® and Mac OS
D/A converter:	Texas Instruments TLV320DAC23 24Bit/96kHz, 8-times Oversampling
Sampling rates	
USB input:	32kHz, 44,1kHz and 48kHz
Optical and coaxial input:	8kHz, 16kHz, 32kHz, 44,1kHz, 48kHz and 96kHz
Outboard power supply:	9V/300mA DC; suitable for your country's mains supply
Power consumption:	9V/100mA DC
Dimensions W x H x D (D with sockets):	103 x 36 x 103 (115)mm
Weight:	680g 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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