

Canor CD 1.10
USER MANUAL

Precision Tube CD Player
CD-1.10

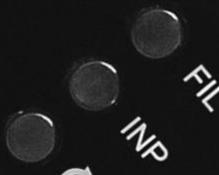


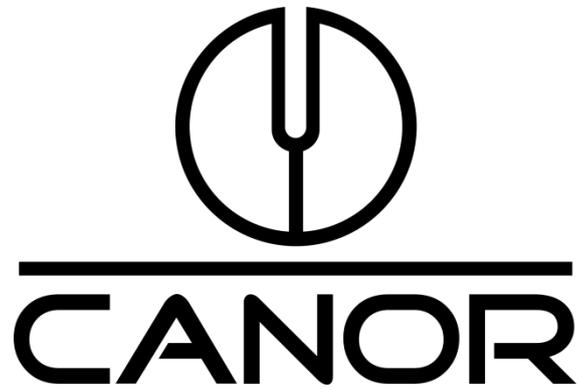
OPEN

DIMM



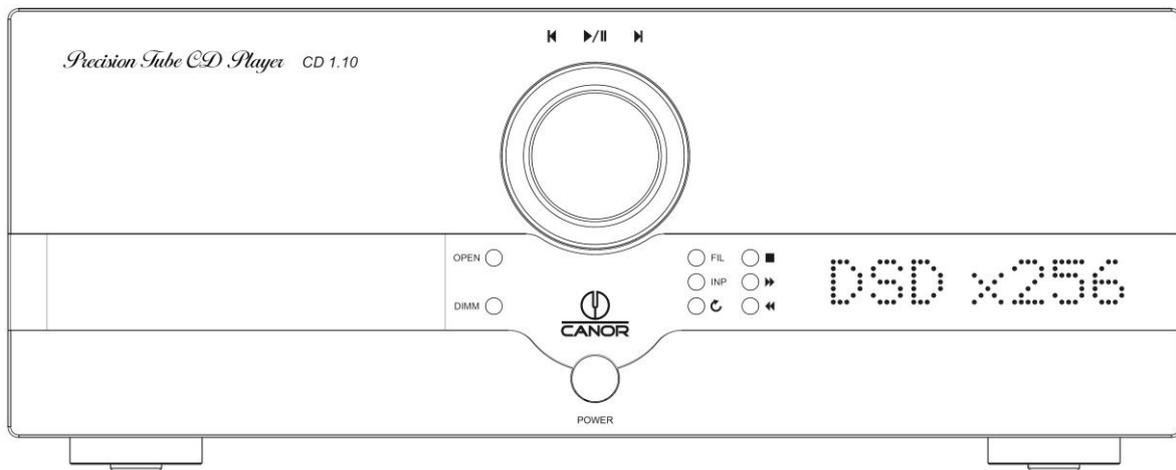
POWER





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CANOR CD1.10 tube compact disc player and D/A converter user guide



Dear music lover,

thank you for purchasing our CANOR CD1.10 tube compact disc player and a D/A converter.

To preserve and maintain the best characteristics of your compact disc player, we recommend you carefully read the following lines.

Operating instructions:

Before placing your new appliance into operation please read these operating instructions carefully.

1. Read the instructions -all safety information and instructions should be read before using the appliance.
2. Please keep these operating instructions for future reference.
3. Follow the instructions -all the security and user instructions should be followed.
4. Water and moisture –the CD1.10 should not be placed near water, for example near baths, swimming pool, kitchen sink, etc..
5. Accessories -do not use accessories not recommended by the manufacturer.
6. Location -do not place equipment on unstable surface. The device may fall, which may cause serious injuries to children or adults, as well as damage to the appliance. Use only pads or stands recommended by the manufacturer or sold to dealers at the same time with this device. Any location of the device should be in accordance with the manufacturer's instructions and only accessories recommended by the manufacturer should be used.
7. Ventilation –appliance should be placed in a place which guarantees a proper airflow. This means that it must not lie on the sofa or upholstered furniture. When in operation it must not be covered. It would then prevent proper airflow around the vent holes of device.
8. Heat -ensure the appliance is away from any sources of heat (direct sunlight, electric stove, etc.). The distance from the rear wall of the device may not be less than 20 cm, and 20 cm above the area of the compact disc player may not be any obstacle. Alongside the equipment should be ensured min. distance of 20 cm from other objects.
9. Power source -the device must be connected only to a power supply, for which it is designed.
10. Power cord -it is necessary to pay particular attention to a power cord, it must be positioned so as to avoid stepping on it and to ensure it is protected against mechanical damage.
11. The longer the period during when you do not use the CD1.10 you should disconnect the power cord from the mains supply, or at least turn off the main power switch located on the back.
12. Subjects containing liquid -do not place these objects (vases, flower pots), so that they can fall on the device, possibly a fluid could leak out of them on the appliance.
13. Damage requiring service -equipment should be repaired only by qualified service once:
 - a) power cord is damaged
 - b) the device fell into water or was poured
 - c) the device was exposed to rain
 - d) the device works incorrectly
 - e) the device fell to the ground or is otherwise mechanically damaged.
14. Repairs -all repairs must be entrusted to qualified service.
15. General warning -use the device only in accordance with the instructions.

The manufacturer declines any liability should these safety measures not be observed.

To help you avoid an electric shock, do not expose the CD player to rain or moisture!

This CD player is classified as CLASS 1 LASER PRODUCT. It can emit radiation in CLASS 1 limit range.

Do not disassemble / danger of damage to eyes!

Delivery content:

1. shipping packaging
2. CANOR CD1.10 compact disc player / DA converter
3. Power cord
4. Remote control (containing AAA batteries -2 pcs)
5. CANOR CD1.10 compact disc player user guide
6. CD disc with USB driver for PC (USB Audio Driver)



Caution!

The Waste Electrical and Electronic Equipment Directive -Regulation of the European Union 2002/96/EC governing the issue of separate waste collection.

This device may not be disposed of in unsorted municipal waste. Devolve the appliance upon a collection center for recycling and disposal of electrical and electronic equipment waste. Correct disposal of waste does not cause negative impacts on the environment and human health. You will thus contribute to protection of the environment.

Remote Control

Insert two AAA-sized batteries into your remote control and take care of polarity.

Do not expose the sensors of your remote control to direct sunlight or to other strong light sources.

Remote control operates at an angle of 60 ° to about 5 meters. Aim your remote control at sensor on the device.

There may not be any obstacles in the way between sensor and remote control.

If the appliance is placed behind glass, it may result in shortening the operating distance of a remote control (according to the color and strength of glass).

Keys on the remote control have the same function as the keys at the front panel of the device.

Remote control is further equipped with features for an amplifier:

volume control keys (-VOLUME +) = function for amplifier only

< Input – Input > = function for amplifier only (inputs switching)

AMP ON / OFF -function for amplifier only (switching on and off the amplifier)

Large power button turns off both the amplifier and the CD1.10

Functions of CD1.10 only:

CD ON/OFF - CD1.10 turning on and off

Numeric keypad(0-9) – direct track selection

Numeric key0 - CD1.10 input selection: 1.CD, 2.COAXIAL, 3.OPTICAL, 4.USB

Numeric keypad+10 – you can pick tracks with a higher sequential number than 10

REPEAT – allows you to cyclically opt for single track repeat, entire disc repeat or disabled repeat

DIMMER - sets the display brightness in six steps whereby 0 is turned off display, and 5 is maximum brightness. After turning on, the display brightness level is 3, by repeated pressing or holding of the button, brightness lowers to values 2, 1, 0 and continues to rise until maximum brightness (5) is reached, and repeatedly lowers until display is turned off.

In case of a switched off display during operating the device with function keys the display lights up to brightness 2, and after a few seconds the display turns off.

BACKWARD |<< -

when pressed for a short-time jumps to the beginning of a track if playback time lasts longer than 5 seconds, further pressing results in jump one track back. When pressed for a longer time playback moves smoothly backwards.

FORWARD >>| - when pressed for a short time jumps to one track forward, when pressed for a longer time playback moves smoothly forwards

OPEN – CD disc opening and ejecting

STOP – ceases CD disc playback

PLAY/PAUSE – resumes and pauses CD disc playback

FRONT PANEL contains a button with additional function unlike remote control:

FILTER - pressing this button shows actual digital filter being used by converters.

You can change the filter by pressing the button again, otherwise actual filter remains active.

The filter has two states, *Natural* and *Dynamics* and each of them affects resulting sound performance that a listener can adjust to his own requirements.

Basic functions of reproduction

Connect the power cord to the CD1.10. Turn on the player with the main Power Main switch, which is located on the back panel. When you turn on the switch, the player is being set into stand-by mode-the red LED diode on the front panel starts flashing. After pressing the Power button (on the front panel or on the remote control) controlled turning-on sequence gets initiated, which consists of cooling and preheating the tubes, thereby extending their life span. The cooling cycle is also being carried out when the appliance is turned off, if the main switch on the back panel is not turned off, i.e. after turning off via button on the front panel, or via remote control, and 45-second countdown to cooling without indication begins. If we turn on the appliance at this time, the cooling will continue and will be indicated by flashing red LED. When the cooling cycle is over then the main toroidal transformer gets connected (the CANOR logo lights up), and then the slow start-up of voltage provided by slow heating of tubes begins. The cycle lasts 45 seconds, then the red LED stops flashing and an output relay connects the signal to output gold-plated teflon RCA connectors as well as to XLR connectors with balanced output. If there is a CD disc in aCD drive, the device attempts to load the disc and the display shows **CD** and then **Reading** with the number of tracks and their total length. If a CD disc is not loaded, the display shows **No Disc**. During this period when a disc is being loaded it is not possible to change the brightness of the display via DIMMER button. The brightness can only be changed once the content of the CD disc is loaded.

A. CD tray opening and compact discs insertion

Press OPEN button, the display lights up *Opening* indicator. The tray disengages itself and *InsertCD* instruction is being shown on the display. Make sure the tray is opened completely.

Grab hold of a compact disc for outer edges and insert it into the tray with label on the top. Do not touch the surface with a data record (surface is reflective). Twelve-centimeter discs insert into outer ring, eight-centimeter discs into inner ring. Press the OPEN button, the tray plugs-in and the display shows *Closing* and subsequently *Reading* readings. If the CD1.10 finds a compact disc in the drive, it loads its data, the total number of tracks, total disc time and shows them on the display. The tray plugs-in even after pressing the PLAY button or after mechanical push on the tray in the direction of insertion.

B. Playback interruption

Playback can be interrupted for a short-term by pressing the PLAY button. After repeated pressing of this button the playback resumes.

C. Playback termination

Press STOP button to terminate the playback.

D. Specific track playback

A specific disc track can be selected using the numeric keypad on the remote control. For example: to pick a track number 3, press number 3 button. To pick a track number 12 first press +10 and then number 2. By means of automatic search keys (|<< , >>|) it is possible to jump directly to the beginning of next or previous track. Press the search keybutton for a short-term (about half a second). These steps can be performed both in PAUSE and STOP operation. When you press the PLAY button during playback, currently playing track will be reproduced from the beginning.

E. Manual search

By means of longer pressed buttons (<< , >>) on the front panel of the appliance (or (|<< , >>|) buttons on the remote control) it is possible to search an arbitrary position within one track.. This search operation is only possible during playback (playback will obviously be distorted).

F. Repeat

Each time you press the REPEAT button, you cyclically select between the following:

-disabled repeat / -single track repeat / -entire disc repeat

G. Inputs selection:

You can select input signal for converters by repeated pressing the INPUT button on the front panel, or by pressing 0 key on the remote control.

After turning on it is always in the following order: 1.CD and then 2.COAXIAL, 3.OPTICAL, 4.USB.



DIGITAL OUTPUTS:

Allow you to connect external converters when playing CD discs. External converters transmit digital SPDIF signal at default resolution of a CD disc simultaneously on COAXIAL output for RCA connector, and OPTICAL output for TOSLINK connector located on the CD1.10 back panel.

DIGITAL INPUTS:

COAXIAL and OPTICAL :

By selecting these inputs we can conduct digital SPDIF signal from other devices to the inputs on the CD1.10 back panel which we connect either by coaxial or optical cable.

These inputs can process 24-bit PCM signal with a 192kHz sampling rate.

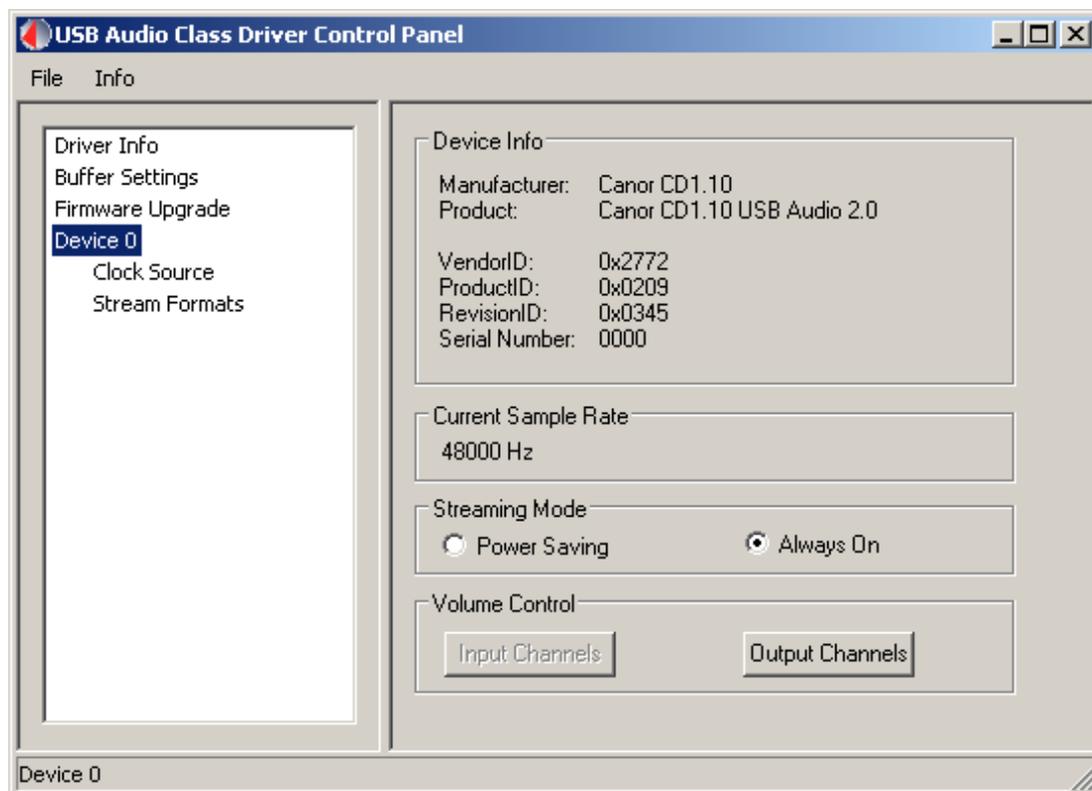
USB :

By selecting this input it is possible to connect CD1.10 to PC as a USB Audio Class 2.0 soundcard.

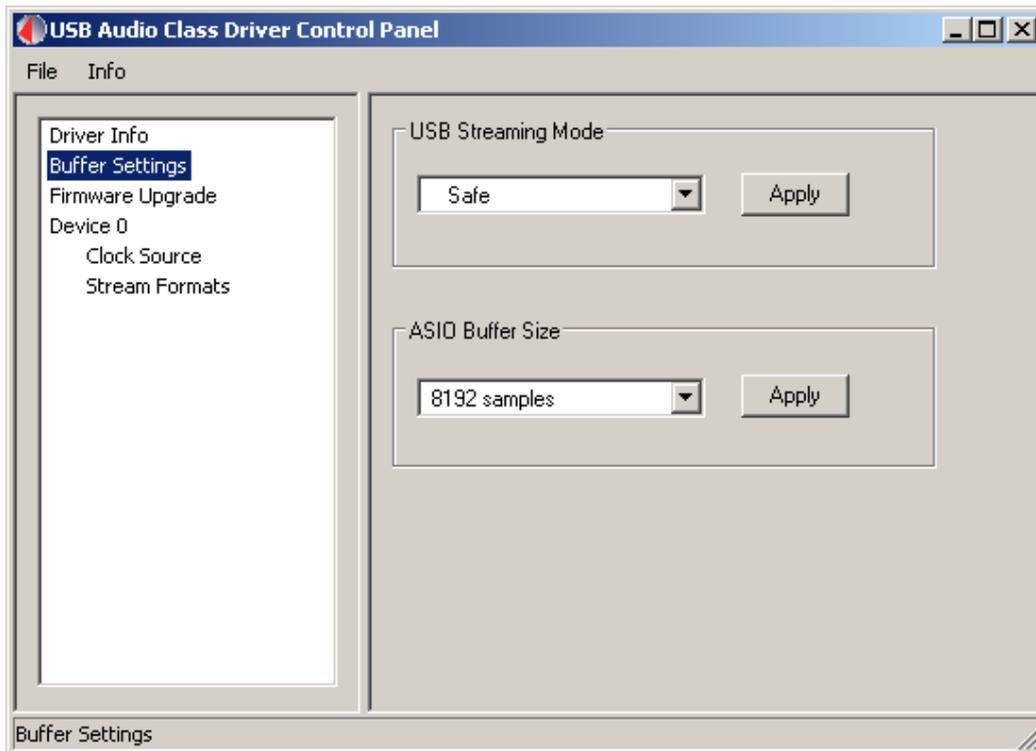
In case USB 2.0 interface is at disposal (otherwise USB Audio Class 1.0). To do this, it is needed to install a driver to the PC which is on the CD disc in the delivery content. The installation process is executed via double-click on *setup.exe* file in “*Canor CDIX USB Audio Driver*“ folder, then proceed according to installation instructions. Supported operating systems are Windows XP, Vista, Win7, Win8, Win10.

ASIO driver will be installed together with the above driver which can be used as *Output Device* in various audio players which support it (for instance *foobar*, *JRiver*, *WinAmp*).

After CD1.10 is connected to USB port of the PC you can launch *Canor CDIX USB Audio Control Panel* which was installed together with the driver and then check info on connected device.

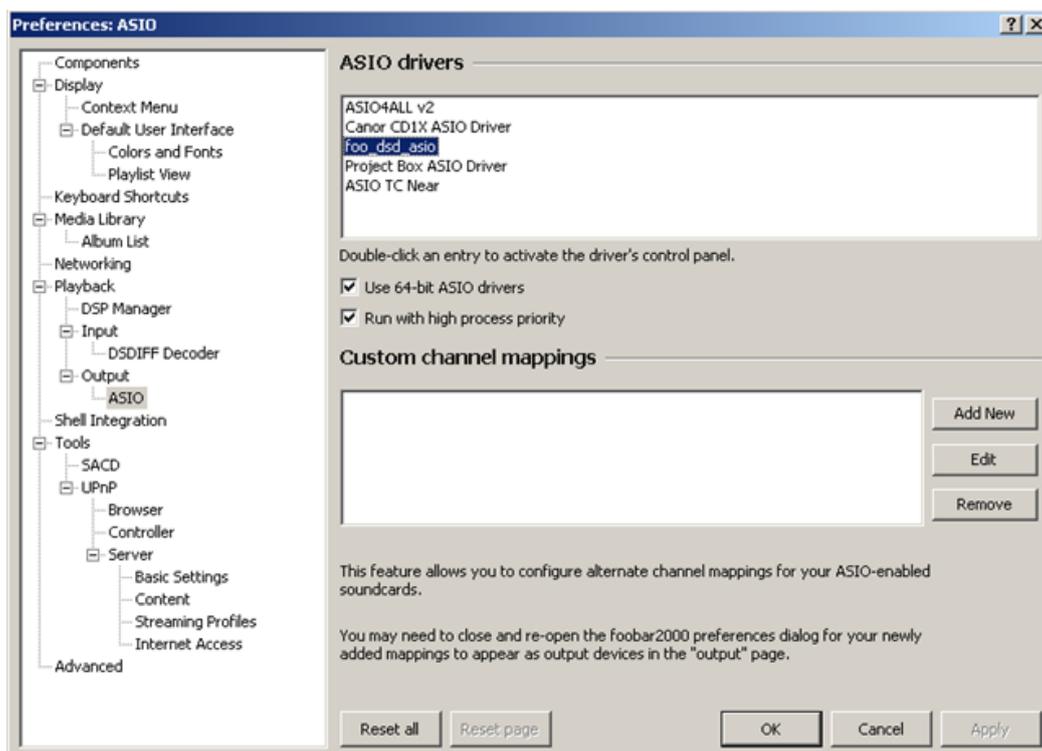


When playing files with higher sampling rates it is necessary (depending upon computer's performance) to change original figures for *USB Streaming Mode* and *ASIO Buffer Size* in *Buffer Settings*, for instance:

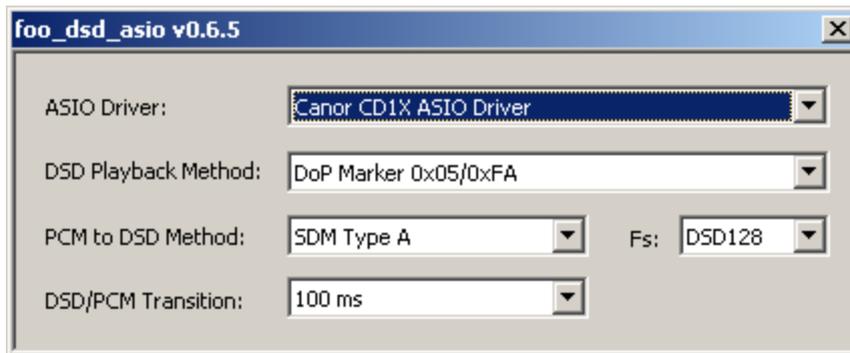


DSD playback:

DoP (DSD over PCM) is a method to transfer DSD audio data via USB zipped in PCM format. This requires special software equipment of an audio player on your PC. *foobar2000* is one of them, it can be freely downloaded from the websites below together with an additional component for *Super Audio CD Decoder*. After installing *foobar2000*, *ASIOProxyInstall* and adding *foo_input_sacd* component, you can enter *Playback/Output/ASIO* settings.....

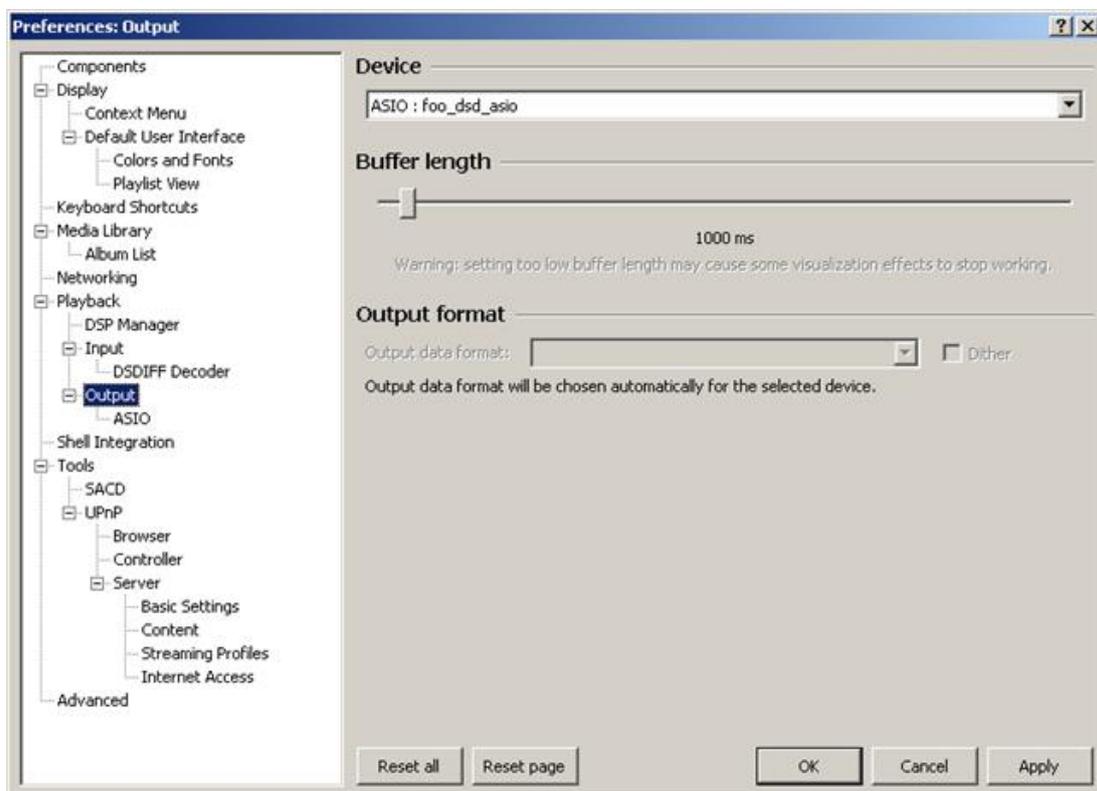


...and double-click *foo_dsd_asio* to set particular items according to ascreenshot...



...eventually where necessary, to change *PCM to DSD Method*, *Fs* a *DSD/PCM Transition*.

And to click on *ASIO:foo_dsd_asio* as an output audio device in *Playback/Output* settings



<http://www.foobar2000.org/>

http://sourceforge.net/projects/sacddecoder/files/foo_input_sacd/

There are clearly other media players that enable DoP playback, for instance *JRiver*, *Jplay*, however it is necessary to purchase them after the trial period.

Technical specifications:

format, bit resolution and maximum sampling rate of inputs:

CD:	PCM 16bit/44kHz	
COAXIAL:	PCM 24bit/192kHz	
OPTICAL:	PCM 24bit/192kHz	
USB:	PCM 24bit/384kHz	
	DoP(DSD over PCM):	DSD64 1bit/2,8224MHz/3,072MHz DSD128 1bit/5,6448MHz/6,144MHz DSD256 1bit/11,2896MHz/12,288MHz

format, bit resolution and sampling rate of outputs:

COAXIAL:	PCM 16bit/44,1kHz*
OPTICAL:	PCM 16bit/44,1kHz*

* outputs in operation only in the course of CD disc playback

CD INPUT:

Harmonic distortion RCA	<0,01% (1kHz/44,1kHz)
Harmonic distortion XLR	<0,003% (1kHz/44,1kHz)

COAXIAL ,OPTICAL INPUT:

Harmonic distortion RCA	<0,01% (1kHz/44,1kHz-192kHz)
Harmonic distortion XLR	<0,002% (1kHz/44,1kHz,48kHz)
Harmonic distortion XLR	<0,002% (1kHz/88,2kHz,96kHz)
Harmonic distortion XLR	<0,003% (1kHz/176,4kHz,192kHz)

USB PCM 24 bit INPUT:

Harmonic distortion RCA	<0,005% (1kHz/44,1kHz-192kHz)
Harmonic distortion XLR	<0,002% (1kHz/44,1kHz,48kHz)
Harmonic distortion XLR	<0,002% (1kHz/88,2kHz,96kHz)
Harmonic distortion XLR	<0,003% (1kHz/176,4kHz,192kHz)

USB DSD64, DSD128 and DSD256 INPUT:

Harmonic distortion RCA	<0,01% (1kHz/DSD64,DSD128,DSD256)
Harmonic distortion XLR	<0,003% (1kHz/DSD64,DSD128,DSD256)

RCA OUTPUT:

Frequency response	20 Hz(0dB)-20 kHz(-1,5dB)
Signal-to-noise ratio	> 93dB (20 Hz -20 kHz)
Output impedance	< 200 Ohm
Output voltage	2 Veff

XLR OUTPUT:

Frequency response	20 Hz(0dB)-20 kHz(-1,5dB)
Signal-to-noise ratio	> 106dB (20 Hz -20 kHz)
Output impedance	< 200 Ohm
Output voltage	4 Veff

Power supply	230 V, 50 Hz / 60 VA
Dimensions(WxHxD)	435 x 170 x 370 mm
Weight	15 kg

Compact disc

This appliance is only able to play discs labeled "COMPACT DISC DIGITAL AUDIO". Do not store discs (not even for a short term) near sources of heat, in places with high air humidity or high dustiness! Do not write on the label with a pen and do not paste all over it! Beware of damage to the disc by fingernails or sharp objects! Always grab the edges or the center of the disc. Do not touch the surface with adata record! If it is necessary to cleanse the disc, use a piece of a fine linenclothand dry it out. Clean the disc down from the center toward the edges only! If the disc moistens (for example during the freightfrom cold to warm places), dry it out with a fine cloth. Never use a hair dryer to dry out the disc! Do not use any antistatic cleaning agents common for black vinyls, gasoline, dissolvents or other chemicals!

CD player maintenance

For cleansing use a dry piece of a fine linencloth. In case of large pollution, moisturize the cloth with adetergent solution. Do not use ragged materials (sand for washing dishes), alcohol, gasoline, dissolvents or other chemicals!

WARRANTY CONDITIONS:

The warranty period for this appliance is 24 months, calculated from the date of purchase. The warranty applies to the first owner of the product only. Moreover, the warranty only applies if an original proof of purchase and acknowledged certificate of warranty can be furnished. The warranty covers defects in materials and labor, but does not cover misuse, unauthorized modifications, and external causes such as acts of nature.

Caution! There are no user serviceable parts inside your CANOR CD1.10 tube compact disc player and a D/A converter!

Service

Should you encounter a problem which you are not able to alleviate or identify, please contact your distributor for further advice.

European Community Directives

This product is designed and manufactured in order to comply with existing laws of the European Community.





CANOR
www.canor-audio.com