

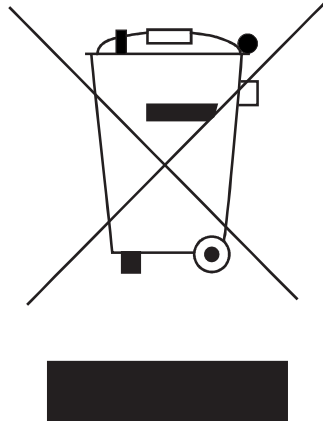


INSTRUCTIONS

DAC-8

D/A Converter

Attention: Your product is marked with this symbol.



It means that used electrical and electronic products should not be mixed with general household waste. There is a separate collection system for these products.

A. Information on Disposal for Users (private household).

1. In the European Union

Attention: If You want to dispose of this equipment, please do not use the ordinary dust bin.

Used electrical and electronic equipment must be treated separately and in accordance with legislation that requires proper treatment, recovery and recycling of used electrical and electronic equipment.

Following the implementation by member states, private household within the EU states may return their used electrical and electronic equipment to designated collection facilities free of charge*. In some countries* your local retailer may also take back your local authority for further details.

If you used electrical or electronic equipment has batteries or accumulators, please dispose of these separately beforehand according to local requirements.

By disposing of this product you will help ensure that waste undergoes the necessary treatment, recovery and recycling and thus prevent potential negative effects on the environment and human health which could otherwise arise due to inappropriate waste handling.

2. In the other Countries outside EU

If you wish to discard this product, please contact your local authorities and ask for the correct method of disposal.

For Switzerland: Used electrical or electronic equipment can be returned free of charge to dealer, even if you don't purchase a new product. Further collection facilities are listed on the homepage of www.swico.ch or www.sens.ch.

B. Information on Disposal of Business Users

1. In the European Union

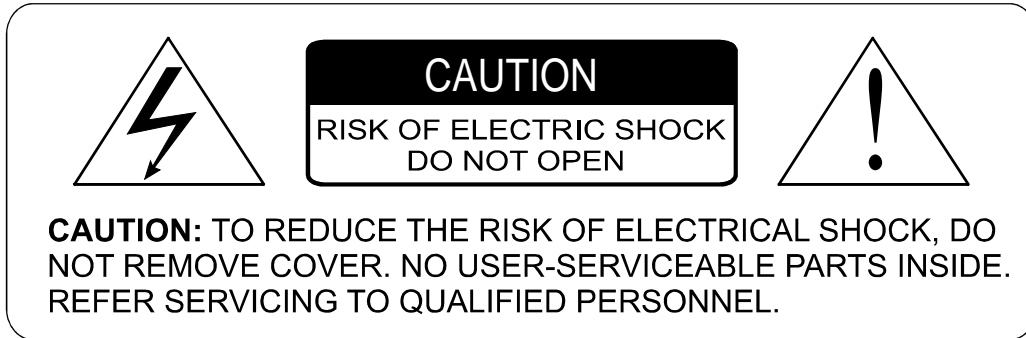
If the product is used for business and you want to discard it:

Please contact local dealer who will inform you about the take-back of the product. You might be charged for the costs arising from take-back and recycling. Small products (and small amounts) might be taken back by your local collection facilities.

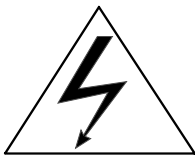
2. In the other Countries outside the EU

If you wish to discard of this product, please contact your local authorities and ask for the correct method of disposal.

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



CAUTION: TO REDUCE THE RISK OF ELECTRICAL SHOCK, DO NOT REMOVE COVER. NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.



Dangerous Voltage

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to presence of uninsulated “Dangerous voltage” within the product’s enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



Important Instructions

The exclamation point within an equilateral triangle is intended to alert the user to presence of important operating and maintenance (servicing)

2.1 Before Use

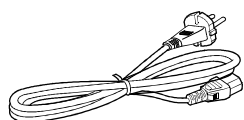
Please read all instructions and precautions carefully and completely before operating your DAC-8 Digital D/A Converter.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Always keep this unit out of the reach of children.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
10. Unplug this apparatus during lightning storms or when unused for a long time.
11. Always disconnect your entire system from the AC mains before connecting or disconnecting any cable, or when cleaning any component.
12. This product must be terminated with a three conductor AC mains power cord which includes an earth ground connection, to prevent shock hazard, all three connections must always be used.
13. AC extension cords are not recommended for use with this product.
14. Never use flammable or combustible chemicals for cleaning audio components.
15. Never operate this product with any cover removed.
16. Never pour or spill liquids directly onto this unit.
17. Never block air flow through ventilation slots or heat sinks.
18. Never by pass any fuse.
19. Never replace any fuse with a value or type other than those specified.
20. Never attempt to repair this product, if a problem occurs, contact your dealer.
21. Never expose this product to extremely high or low temperatures.
22. Never operate this product in an explosive atmosphere.

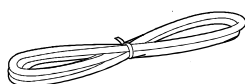
2.2 Check Accessory

Unpack your DAC-8 products and keep all packing materials for future transport or service, locate and remove all accessory items from the accessory box within the shipping carton.

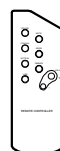
Accessories Included:



1. AC power cord × 1



2. Optical fiber × 1



3. Remote Controller × 1



3. Users' manual (This manual)

2.4 For Using the Remote Controller

Install Batteries

Before using the remote controller for the first time, you need install the new battery in the remote controller.

Process

1. Use the tool to remove the rear cover of the remote control unit.
2. Install the 2 batteries (AAA) with correct +/- polarity.
3. Reinstall the rear cover of the remote control unit.

Battery Replacement

1. Use the tool remove the rear cover of the remote control unit.
2. Take out the old batteries from remote control unit.
3. Install the 2 batteries (AAA) with correct +/- polarity.
4. Reinstall the rear cover of the remote control unit.

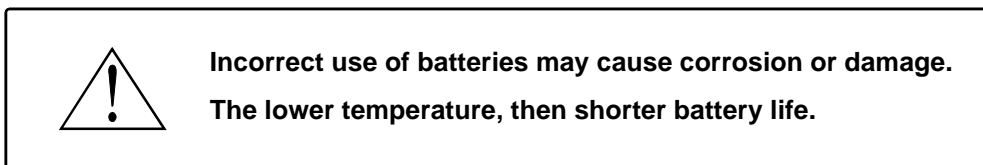
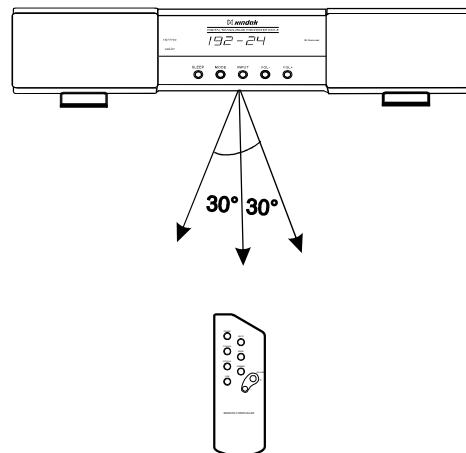
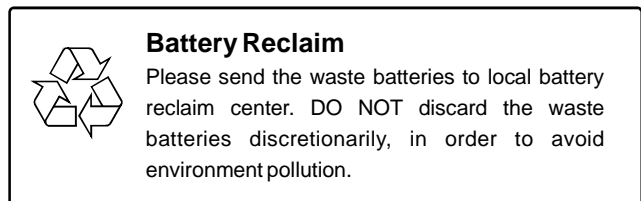
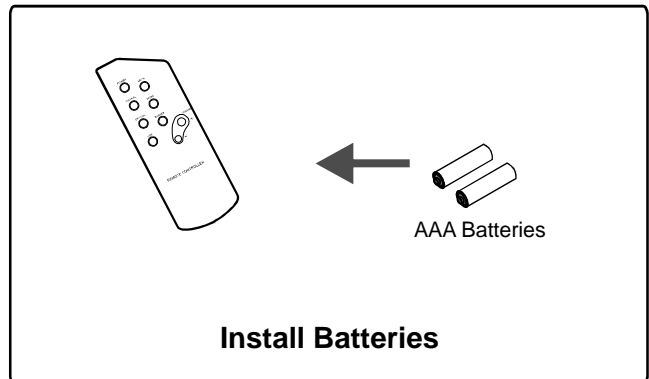
Caution

1. Do not use new and old batteries simultaneously.
2. Batteries with similar shapes may have different rated voltage, be sure to use the correct batteries.
3. Remove batteries from the remote control unit if it will not be used for a long period of time.

Using Remote Controller

If you use the remote control unit to control the amplifier:

1. The remote control range is approximately 5 meters.
2. Pointing the remote control on an angle to the receiver, will shorten the useful distance of the remote control.



3.1 Product Features

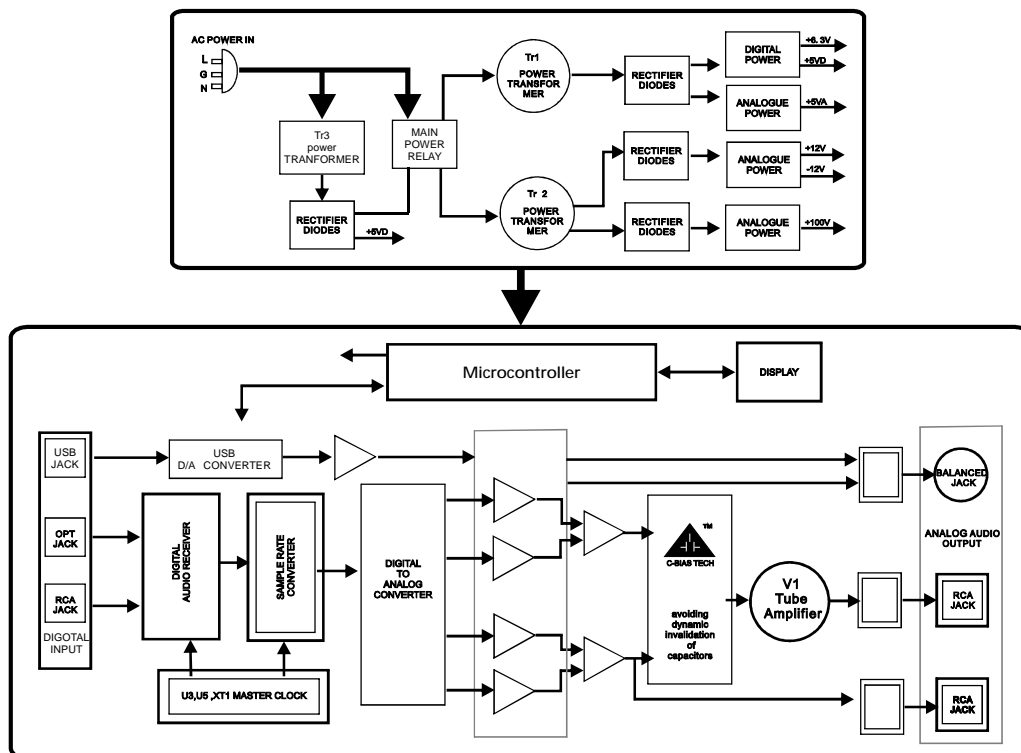
Dear user, thank you for purchasing our DAC-8 Digital D/A Convertor. This is a specially-designed model for the audiophiles who have high requirements on the sound-reproduction ability. As a high quality stereo Digital/Analog Audio Convertor of both 24Bit/96KHz and 24Bit/192KHz, it's extremely suitable for the owners of VCD, DVD and CD player as well as computer owners to upgrade their current audio system.

In order to improve the sound quality, Xindak engineers have also used patent technology on avoiding dynamic invalidation of capacitors, which could decrease the distortion on the High especially. It can upgrade the digital signal recorded in PCM format of common CD player to 24Bit/192Khz to achieve higher processing precision and highly improve the dynamics and treble extension, making the sound more mellow with richer soundstages.

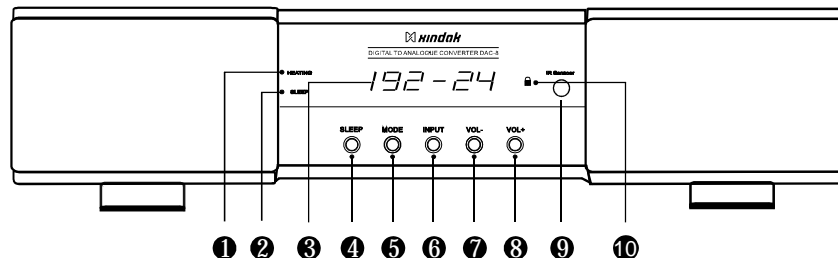
It adopts AD1852 24Bit/192KHz of AD company to convert digital signal to analog signal. The analog filtering circuit adopts low-noise resistance and OPA2064 of BB company. The double annular transformers and six independent stable power supplies can afford abundant and pure power to the circuits and ensure their most stable and best working status.

Additionally, it also corrects the Jetter time base errors at the same time. The 6922EH(JJ E88CC) tube for the analog output amplifying to achieve exquisite and mellow sound. There are three output ports available: signal-terminal tube analog RCA output port, OPA analog RCA output port and OPA balanced output port to afford various chooses for the users.

3.2 Block Diagram

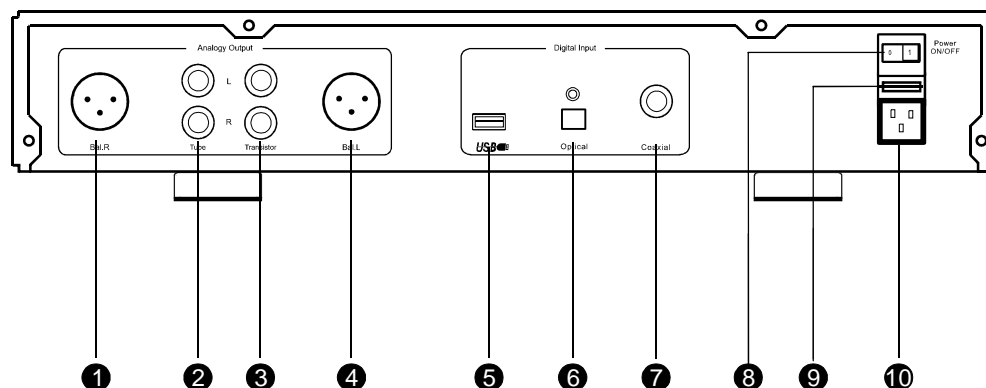


3.3 Front panel



- 1 Indicator for warm-up:**
It needs 30 seconds for system warm-up after power on. During this period, the window will display the rest warm-up time needed.
- 2 Sleep indicator:**
Press the sleep button on panel or power button on remote control, and then the D/A converter will enter "sleep" mode this indicator will be light.
- 3 Information display window:**
Display the system information.
- 4 Sleep button:**
Press this button to make the D/A converter enter "sleep" mode.
- 5 Mode button:**
Press this button, can set the work mode as 192kHz/24bit or 96kHz/24bit. The display screen will display corresponding work mode. When the input is USB, this button does not work.
- 6 Input Selection Button:**
Press this button can select between "COA" coaxial input, "Opt" optical fiber input and PC USB digital input. The display screen will display the corresponding input way.
- 7 Vol- button:**
Press this button can reduce analog output volume. The display screen will display current volume level. Min is 0. When the input is USB, this button does not work.
- 8 Vol+ button:**
Press this button can increase the analog volume, and the display screen will display current volume level, max is 60. When the input is USB, this button does not work.
- 9 Sensor window for remote control**
The remote control receiving window will receive the controlling signal produced by the remote controller.
- 10 Digital Signal locked indicator:**
This indicator will be light when the steady digital signal are received. When the input is USB, this button does not work.

3.4 Rear Panel

**1 Right Balanced Audio Output Terminal**

Output the balanced audio signal (analog stereo) amplified by transistor to the input port on the amplifier.

2 Audio Output Terminal

Output the analog stereo audio signal amplified by tube to the input port on the amplifier.

3 Audio Output Terminal

Output the analog stereo audio signal amplified by transistor to the input port on the amplifier.

4 Left Balanced Audio Output Terminal

Output the balanced audio signal (analog stereo) amplified by transistor to the input port on the amplifier.

5 USB Input Socket

Please connect this port to the computer by USB connection cable. (USB connection cable is not attached).

6 Digital Optical Input Terminal

It is used to input the digital audio signal. You could input the digital audio signal of the CD, VCD, DVD or the computer to this unit by Optics cable.

7 Digital Coaxial Input Terminal

It is used to input the digital audio signal. You could input the digital audio signal of the CD, VCD, DVD or the computer to this unit by 75Ohm coaxial cord.

8 Power ON/OFF

Press this button turn on or turn off the power.

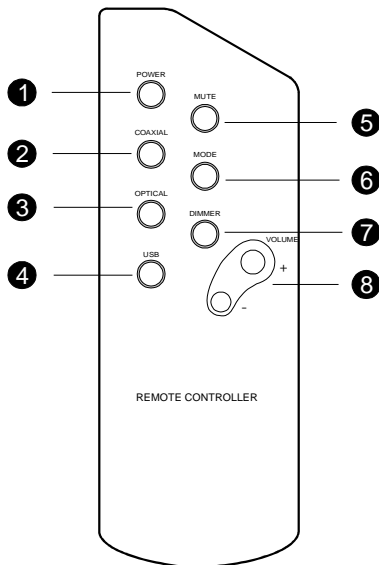
9 Fuse Socket

Use to install the fuse.

10 AC Input Socket

Connect the power cord to the AC inlet.

3.5 Remote Controller

**1. Power Button:**

Press this button to make the D/A converter enter "sleep" mode.

2. COAXIAL Button:

Press this button can select "COA" coaxial input.

3. OPTICAL Button:

Press this button can select "Opt" optical fiber input .

4. USB Button:

Press this button can select PC USB digital input.

5. MUTE Button:

Press this button, for turn on or turn down the output volume.

When the product is in mute state, the display screen will display "VOL:--" corresponding function.

6. MODE Button:

Press this button, can set the work mode as 192kHz/24bit or 96kHz/24bit. The display screen will display corresponding work mode. When the input is USB, this button does not work.

7. DIMMER Button:

(not available for this unit).

8. Volume Control Button:

Press " Vol+ " button can reduce analogy output volume. The display screen will display current volume level. Min is 0. When the input is USB, this button does not work.

Press " Vol- " button can increase the analog volume, and the display screen will display current volume level, max is 60. When the input is USB, this button does not work.

4.2 Specification

System:	Stereo audio digital to analog converter
Temperature:	+5°C~+35°C
Humidity	5%~85%
Power Specifications	Specified on rear panel decal
Power Consumption	max. 25W
Frequency Range	20Hz-20KHz, 0.5dB
Dynamic Range	114dB
THD +N	100dB (USB input)
	0.0008%(With A-Weighted)
	0.002% (USB input)
Signal-To-Noise Ratio	114dB
	105dB (USB input)
Interchannel Crosstalk	-120dB
Pass Band Gain Inequality	0.00001dB
Digital Coaxial Input	0.5Vp-p
Digital Coaxial Input Impedance	75Ω
Channel Gain Inequality	<0.05dB
Output Voltage	2V(RMS,0dB)
	0.002% (USB input)
Dimensions(WXHXD)	430mmx104mmx341mm

NOTE

Specification and design subject to change without notice for improvements.



No.126, Section 2, East 1 Round Chengdu, Sichuan, China P.C. 610051

You can find your nearest authorized distributor and more product information on our website:
www.xindak.com



Print in China