



INSTRUCTIONS

DAC-5

DIGITAL TO ANALOG CONVERTER

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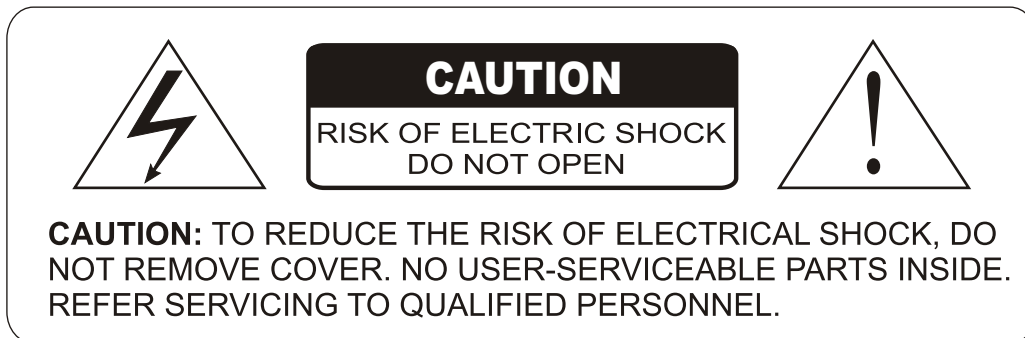
NOTICE

Please do not tear any sticker on this appliance. Otherwise, it will influence the cognizance on production date.

Since the swift development on technology, there may be some outdated description which is not applicable any more, please understand.

Our company does not assure that there will be no updating version on this manual when there is no mistake or neglect. If there is any change on the manual, there will be no notice.

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



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)

Chapter 2**Notice****2.1 Before Use**

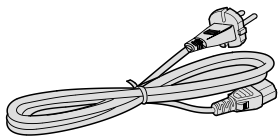
Please read all instructions and precautions carefully and completely before operating your DAC-5 Digital D/A Converter.

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.

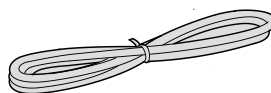
2.2 Check Accessory

Unpack your DAC-5 products and keep all packing materials for future transport or service, locate and remove all accessory items from the accessory box within the controller shipping carton.

Accessories Included:



1. AC power cord × 1



2. Optical fiber



3. Users' manual (This manual)

Chapter 3

Introduction

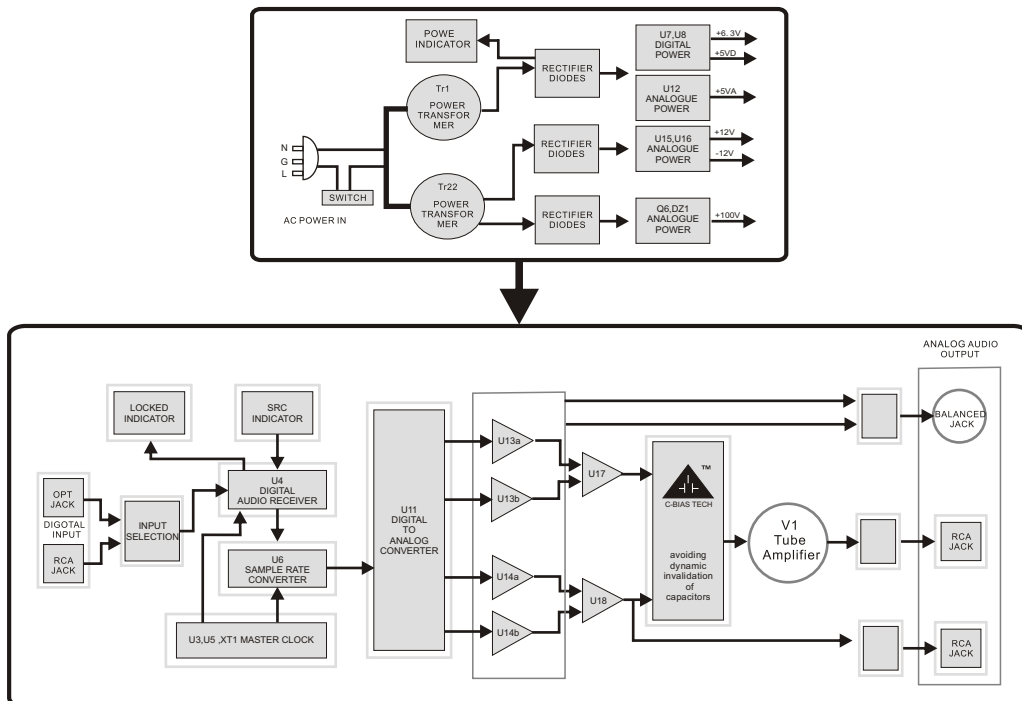
3.1 Product Features

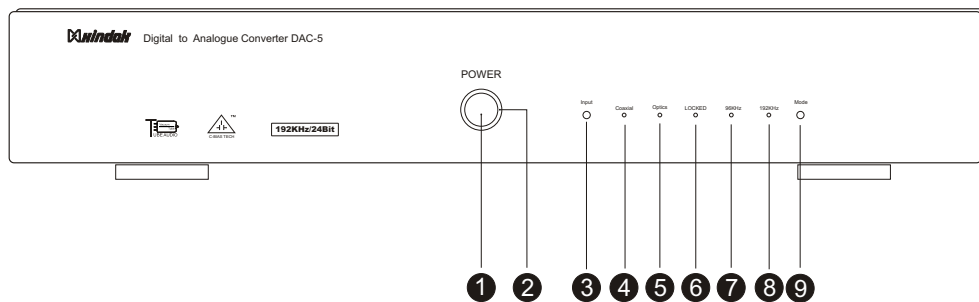
Dear user, thank you for purchasing our DAC-5 Digital D/A Converter. This is a specially-designed model for the audiophiles who have high requirements on the sound-reproduction ability. As a high quality stereo Digital/Analog Audio Converter of both 24Bit/96KHz and 24Bit/192KHz, it's extremely suitable 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.

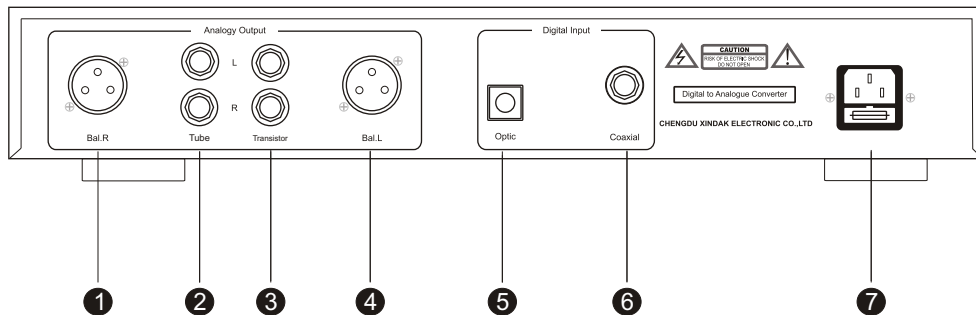
It adopts AD1852 24Bit/192KHz of AD company to convert digital data to analog data. The analog filtering circuit adopts low-noise resistance and OPA2064 of BB company. The double annular transformers and six independent stable power supplies can afford abundant and pure power to the circuits and ensure 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 Power Button:**
Press this button, this unit will be switched on.
Press it again, the power supply will be cut off.
- 2 Power Indicator:**
This indicator will be light when this unit is switched on.
- 3 Input Selection Button:**
Select the optical and coaxial digital signal input.
- 4 Coaxial Channel indicator:**
The indicator will be light when coaxial channel is selected.
- 5 Optical Channel indicator:**
The indicator will be light when optical channel is selected.
- 6 Digital Signal locked indicator:**
This indicator will be light when the steady digital signal are received.
- 7 192KHz indicator:**
When it lights, this system upgrades the PCM signal data to 192KHz/24Bit, then accomplish D/A converting.
- 8 96KHz indicator:**
When it lights, this system upgrades the PCM signal data to 96KHz/24Bit, then accomplish D/A converting.
- 9 Mode button:**
Press this button to define this system working under 96KHz/24Bit mode or 192KHz/24Bit mode.

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 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.

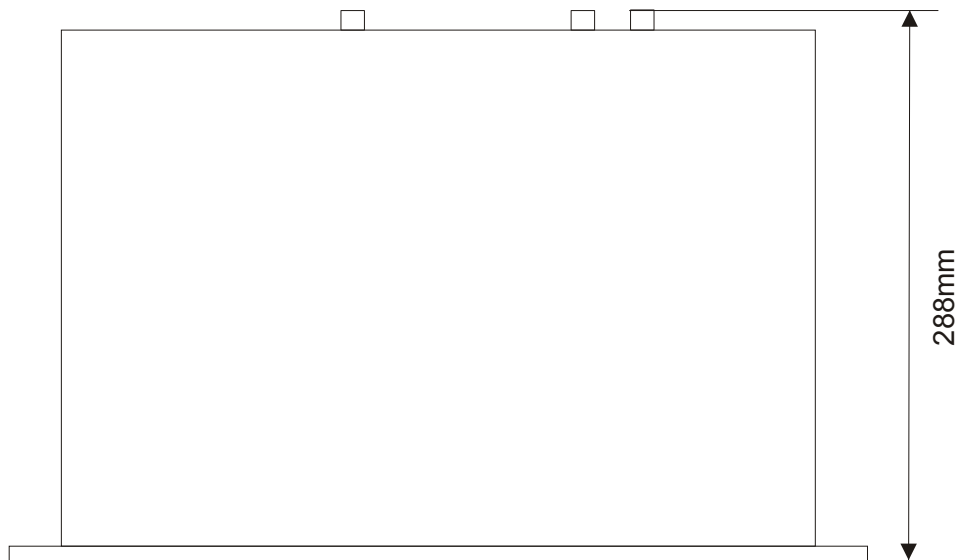
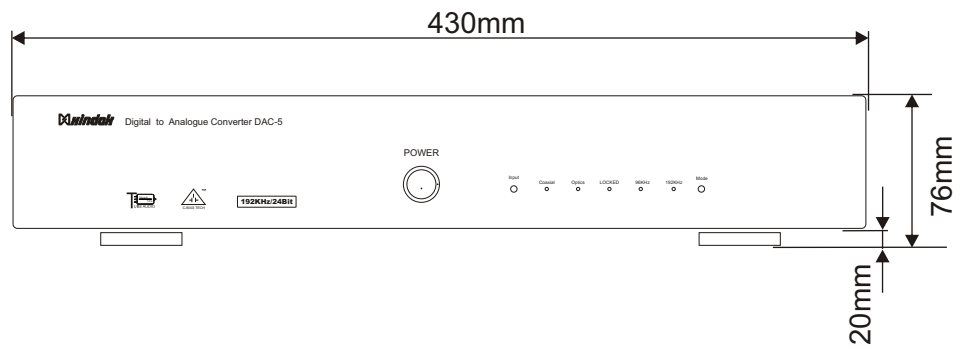
⑥ Digital Coaxial Input Terminal

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.

⑦ AC Input Socket

Connect the power cord to the AC inlet.

4.1 Dimensions



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
Harmonic distortion+Noise(THD+N)	-102dB(With A-Weighted)
Signal-to-Noise Ratio	114dB
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)
Dimensions(WXHXD)	430mmx76mmx288mm

NOTE

Specification and design subject to change without notice for improvements.



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



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