



CORE AUDIO DAIDO Barebone
Passive cooled, full analogue power supply Music Server

CORE AUDIO DAIDO Barebone Music Server

USERS MANUAL





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1. INTRODUCTION

The development of products by Core Audio Co. Ltd. started almost 10 years ago. Our company started its mission by perfecting the PC based audio playing. Our technicians and engineers in charge of the development discovered that a basic problem is that, in order to get the expanding of the bandwidth of the source through the sound reproduction chain to the listener, you have to make sure that the equipment connected the source are also ready to receive the increased level of information. When creating this product our goal was to create an ideal interface to make sure that the mass of digital signals arriving from the source are transferred to the digital-analog converter by our USB/SPDIF transformer with minimal loss of information or transformation. We believe our goals set when creating the products were necessary because the digital signal can only disconnect from the USB port and travel through a coax or AES/EBU connector towards the digital-analog converter when the audiofil ways are completely fulfilled.

This product was tested and developed by the Core Audio Co. Ltd. for many years and many costumers use it satisfied in their systems to this day. Our developments due to the latest technical inventions didn't stop and won't stop; we try to keep our product up to date and on the highest standard.

It is really important for us and we really appreciate that you chose our product and that you put your trust in us. It ensures us that we are on the right track developing our products. Thank you for trusting us!

the Core Audio team



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2. PRODUCT DESCRIPTION

When we were creating the product our base was the Streacom FC10 Alpha case. This case includes the necessary components that make the high quality Music Servers as digital source possible. We based the whole product around this case included our developed 8 circle full analogue power supply and 2 pieces of toroidal transformers.

When designing the product we took into account what kind of parts each base components consist of, and how much heat should we dissipate from them, and give an electric power fully by analogue circuit parts.

The equipment operates with 230V/50Hz input voltage and it's power supply is completely separated for all stages with a low-noise analog power circuit. For the external power supply we use a high quality FURUTECH IEC standard socket. The internal cabling is fit for the ATX standards.

The case of the device has a part specially made to actively take part in leading heat off from the 8 power circuits. The other side of the case cooling the CPU.

The most important component is the motherboard. A long development time was required for us to choose an optimal parts and optimal manufacturer brands for this product.

Front and top of the device:

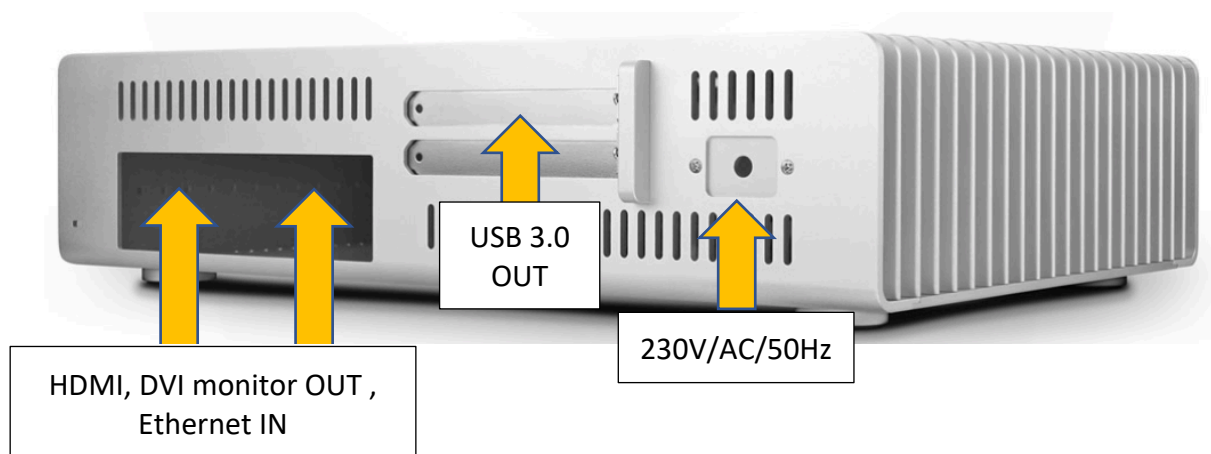
On the front panel of the device there is the On/Off switch with a LED indicator. To turn the Music Server On you have to press the button until it clicks. When it is on the LED indicator will glow in a white circle.



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Back panel:



On the back panel you can find the following ports:

- IEC socket: the power supply cord has to be connected here
- USB out: suitable to connect a standard USB 3.0 cable, the device will give the signal to USB/SPDIF converters or USB input DACs.
- HDMI, DVI monitor OUT: user can connect his monitor, display to make a basic installation on the music server (player software settings, network settings etc.). After the basic installation the monitor or display can be disconnected.
- Ethernet IN: this port is necessary for connect the music server to the internet and the home network. On the home network can control the music server by mobile devices (Android, iOS). Sometimes the player softwares needed the internet connection (album arts, JPlay etc.).

3. CONTENT OF THE PACKAGE

- a., Core Audio DAIDO Barebone Music Server in black or silver color
- b., User manual, Leaflet Brochure
- c., plush protection cover



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4. CONNECTING THE DEVICE:



Only turn on the device with the „ON” button when you already connected the necessary cables (Power cord, USB output, HDMI/DVI outputs, Ethernet input etc.) to the right in or outputs of all devices.



The maximum length of the USB cable cannot exceed 3 meters! We recommend a cable between 1 and 2 meters. With the AES/EBU and SPDIF cables we recommend maximum 3 meters.



Never use cables with damaged cover or damaged plugs or with faulty connections

Proper order of turning on equipments:



- Speaker devices
- USB/SPIDF converter
- Digital/analog converter
- Music Server



Never unplug the device from the source or the USB/SPDIF converter and DAC during playing because the device can be physically damaged



Wrecking or taking off the cover of the device while it is connected to electricity is Forbidden and can result in death.



The device must be breaking-in as other audio device for an optimal performance and user experience. We recommend 250-300 hours of breaking-in time.

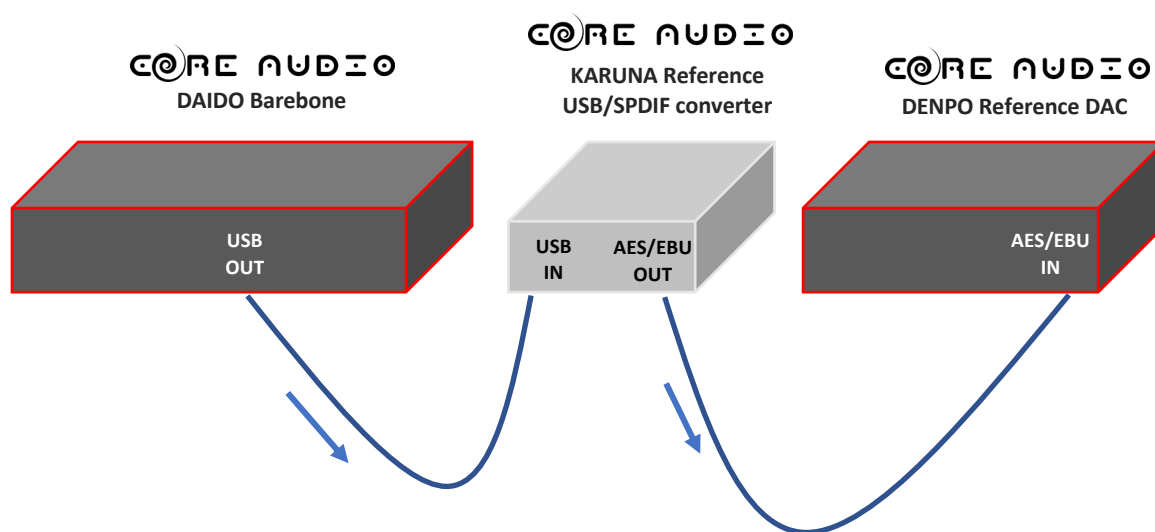


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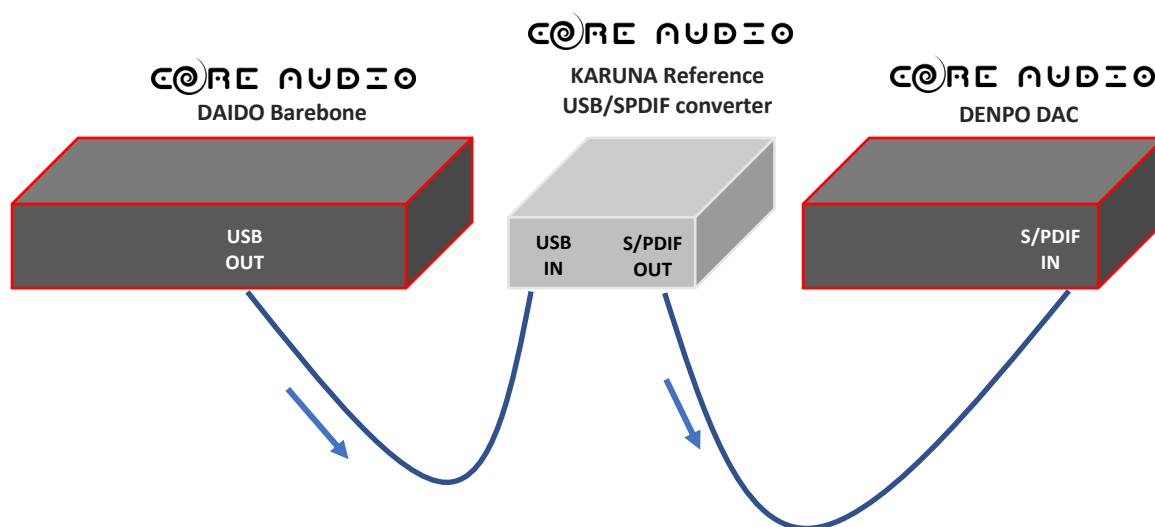


We recommend continuous operation of this device for a maximum of 10 hours- in order to conserve the lifespan of the built in clock signal generators.

Symmetric connection: with AES/EBU cables



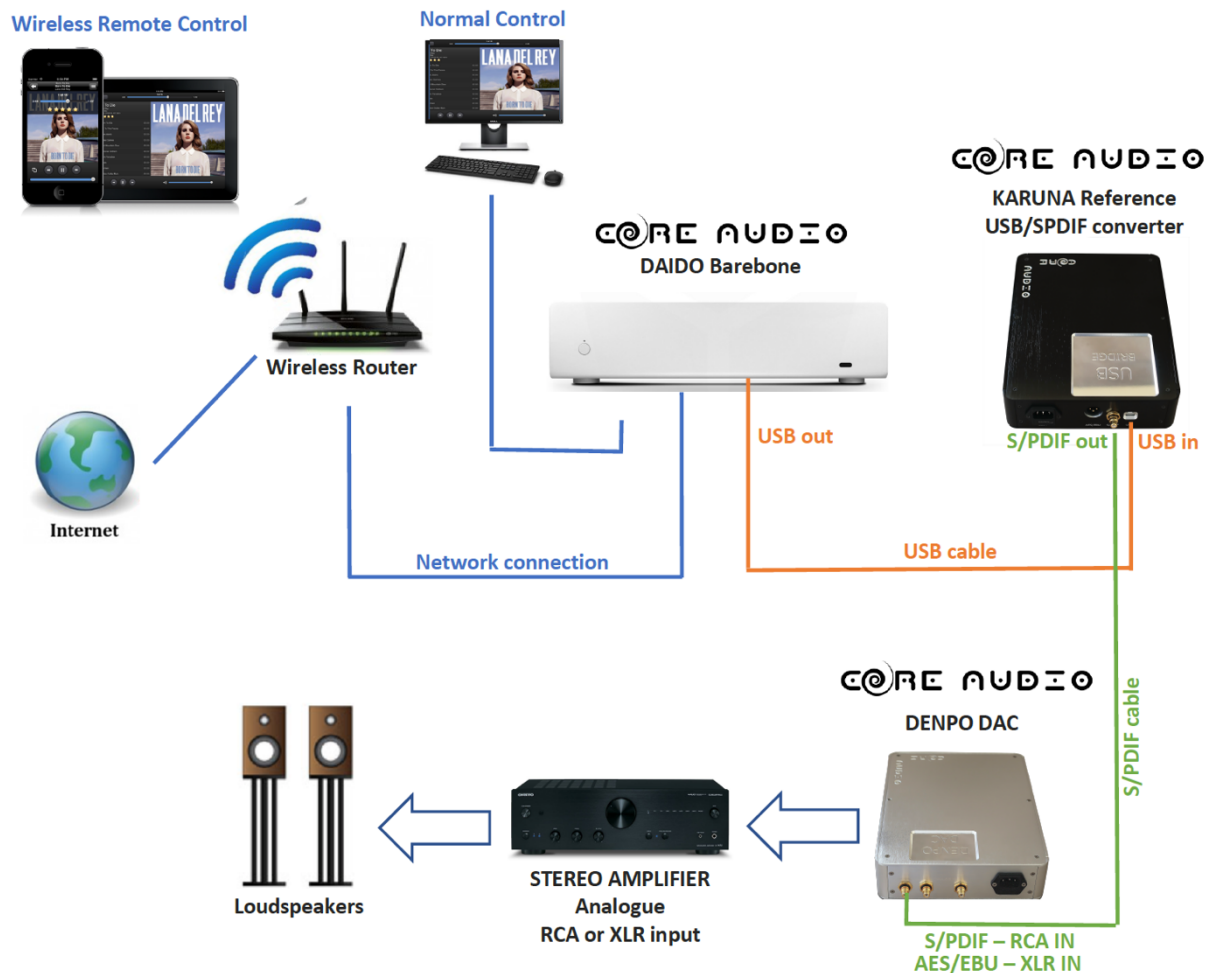
Digital coax connection: with S/PDIF connecting cables



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5. Installation variations:

A.,



In this variation the **DAIDO Barebone Music Server** connected directly with USB cable to the USB/SPDIF converter and the audio signal goes from the Music Server in this cable.

The control is the users choice: Normal Control with monitor+keyboard+mouse or Wireless Remote Control with iOS/Android applications via wifi connection. Both of them works together of course. With the Normal Control devices the user can set the network settings, user interface settings in music player softwares. After this process the Normal Control devices can be unplugged.

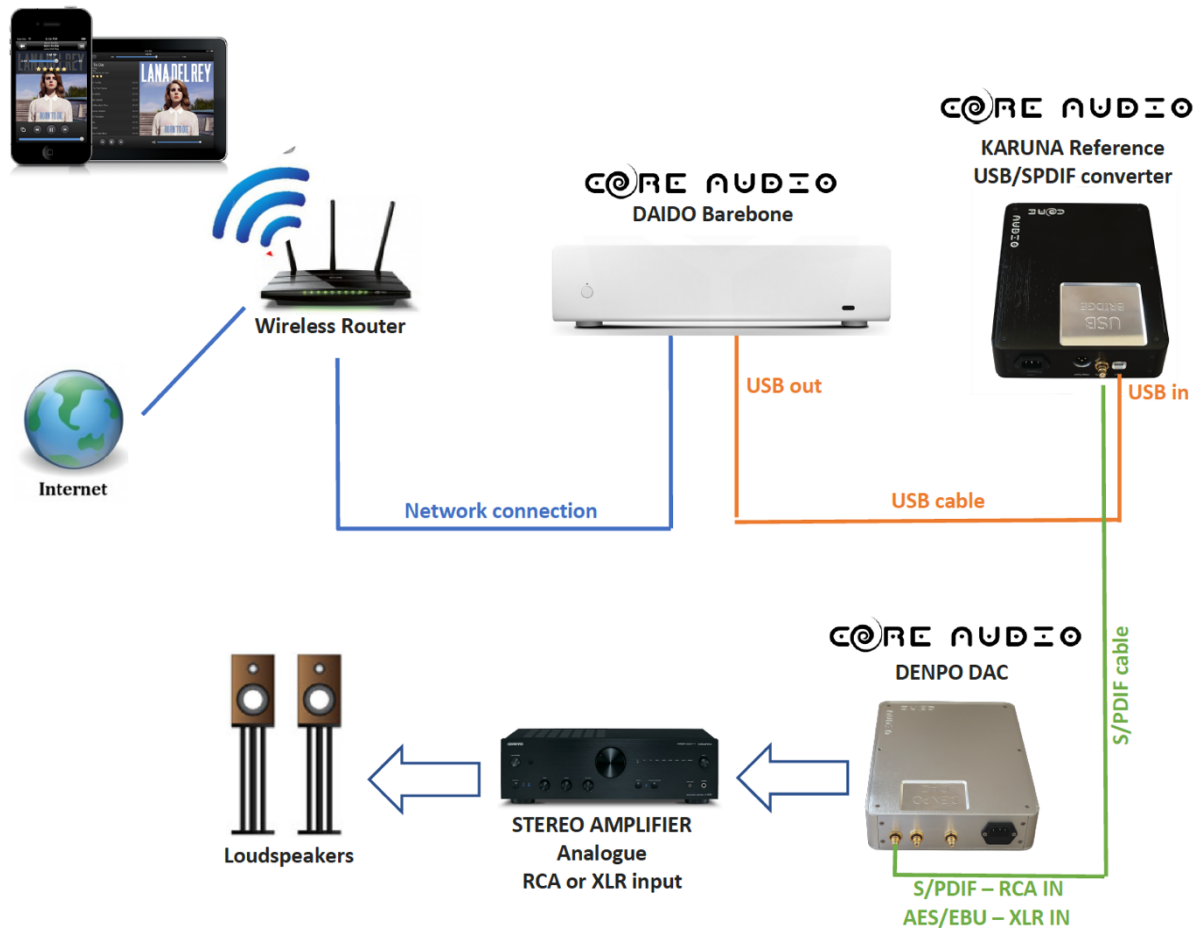
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B.,

Wireless Remote Control



In this variation the **DAIDO Barebone Music Server** connected directly with USB cable to the USB/SPDIF converter and the audio signal goes from the Music Server through this cable to the other devices.

The User can control the music server without Normal Control devices (after the setup). In this case the user can disconnect the monitor, keyboard and mouse. With JRiver + JRemote combo or with ROON software solutions the user has a full control of his music server and the normal control devices aren't necessary for audio listening.

We recommend this solution. Why? There are two important reasons:

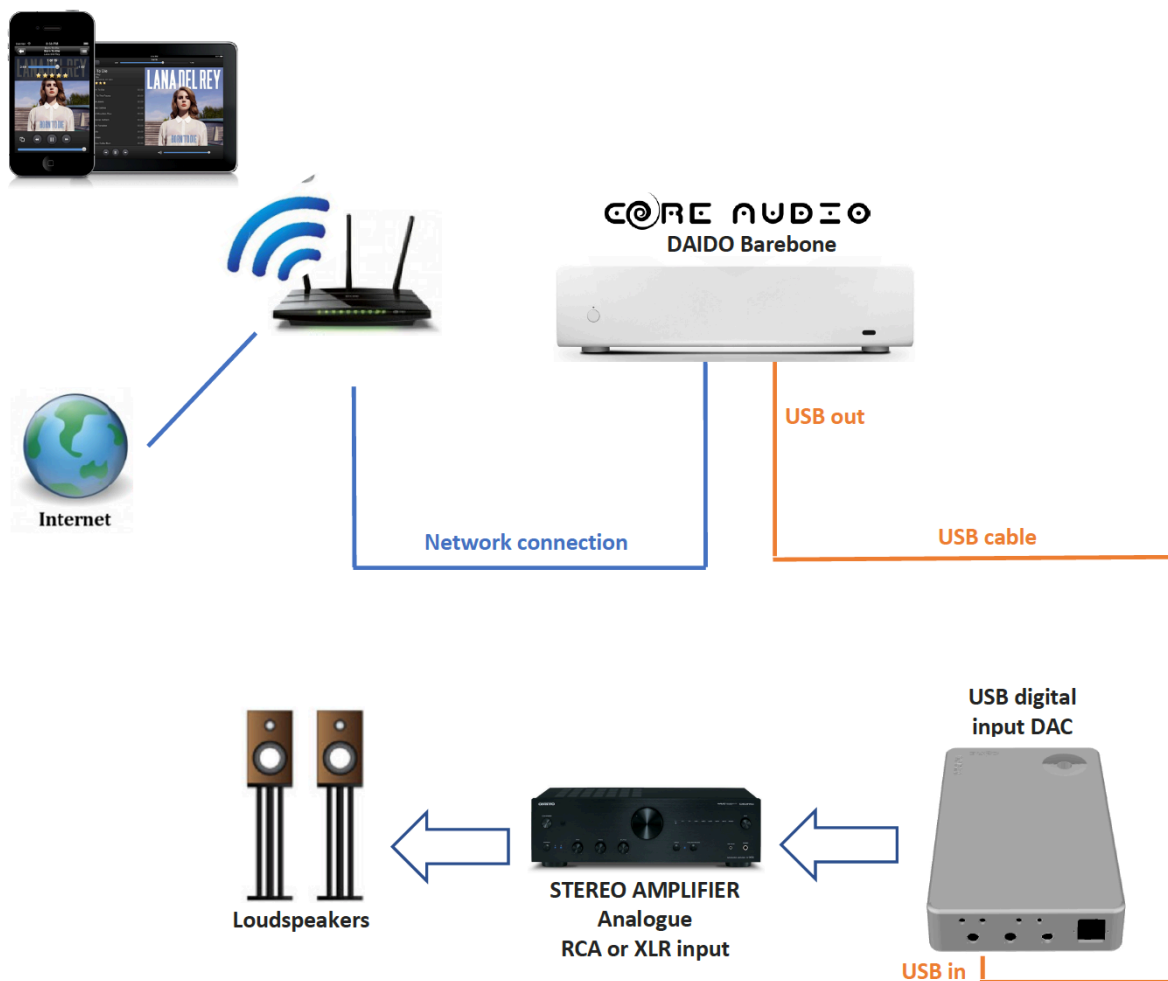
- the monitors and plasma TV-s work with switch mode PSU and bring audio distortions into the system
- the monitor's and TV's display is a big reflection surface, the stereo space can be better without these devices

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C.,

Wireless Remote Control



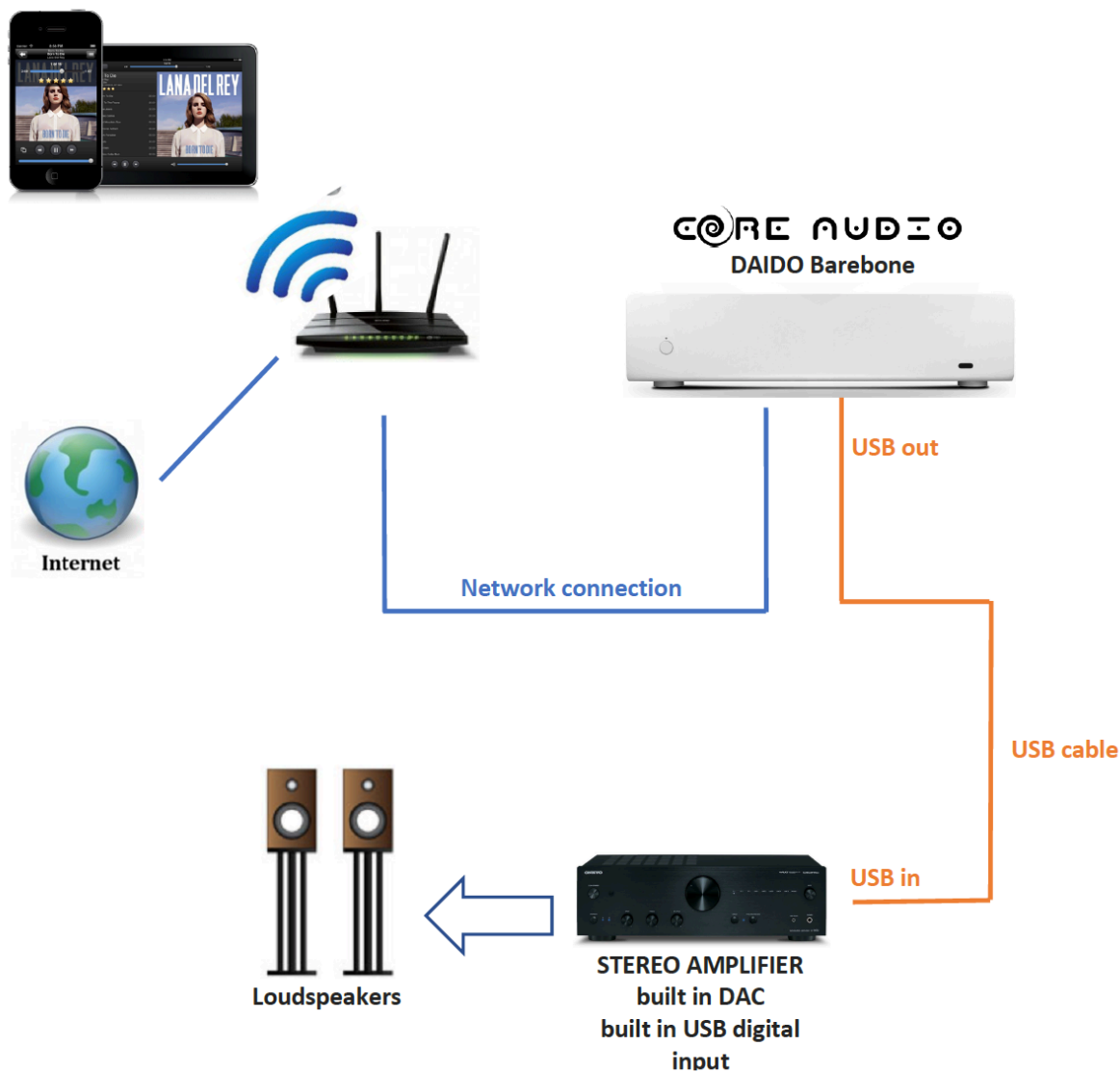
In this case the User aren't use a separated USB/SPDIF converter. The Music server is connected directly with USB cable to the DAC.

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D.,

Wireless Remote Control



A frequent case when the User want to use a fully integrated devices, for example Stereo Integrated Amplifier's built in DAC with digital USB input. In this case the User can connect his music server directly via USB to the Stereo Amplifier.



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6. WARRANTY TERMS AND CONDITIONS:

Core Audio Co. Ltd. provides a 1 year warranty for all the products made or sold by them from the day of the purchase.

The warranty only applies if the defect appeared during the proper use of the product.

The panels, the case and the power supply contains marked parts which indicate if the cover of the device was moved or damaged. If during the time of the warranty the cover of the device was opened or components are changed, any modifications are made and it results in a change compared to the original state of the device the warranty is immediately terminated.

The Core Audio Co. Ltd. company will refuse to repair it, take it back or switch it to a new one.

The Core Audio Co. Ltd. will not take responsibility for any defects or damage resulting from accident, falling, dropping it or during transportation.

If the repair takes over 4 weeks and it is included in the Core Audio Co. Ltd. will provide you with a substitute one for the costumer. The costumer must take care of the substitute device, any damage done to it must be paid for by the costumer.

7. TROUBLESHOOTING:

a., The device won't turn on after turning it on

Check if the power cord is connected to 230V connector on the back of the device and if the cable is connected also on the other end to the plug correctly. If using an adapter check if it is turned on.

It is also possible that you didn't press the On button right and it jumped back to it's natural position. If turned on right there will be white LED lightning around the power button.



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b., It won't connect to the USB/SPDIF Converter, DAC etc.

Check the USB cable if it's working fine. (it's not broken, doesn't have any damage on it, plugs are intact.) check if the cables are plugged in correctly and to the correct in and outputs. Check if the USB/SPIDF or DAC converter is connected to electricity and is turned on.

Check if the latest installation driver is installed on your source device and if you have the xCORE USB 2.0 Audio set as your primary audio device.

c., Device doesn't connect to DAC

Check if USB/SPIDF device is connected to electricity and is turned on. Check the DAC if it is connected to electricity and is turned on.

Check if S/PDIF is cable if it's working fine. (it's not broken, doesn't have any damage on it, plugs are intact.)

Check if both of the ends of the S/PDIF cable are correctly connected to their places and make sure if the directions are correct.

If you use AES/EBU cable make sure if it's working fine. (it's not broken, doesn't have any damage on it, plugs are intact.)

If you couldn't find a solution after checking the ones above please contact Core Audio Co. Ltd.. service on the product support part of the www.coreaudio.eu web page.



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8. FITTING THE ELECTRICAL STANDARDS

Core Audio Co.Ltd as the manufacturer of this product declares that

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product meets the requirements of the following standards:

MSZ EN 55014-1 (2017) – CISPR 14-1:2016

MSZ EN 55014-2 (2012) - CISPR 14-2:2016

MSZ EN 55020 (2004) – CISPR:2002

MSZ EN 55024 (2011) – CISPR 24:2010

IEC 61000-3-2 (2014)

IEC 61000-3-3 (2013)

Harmonized with the # 2006/95/EC Directive (12.12.2006)

19.03. 2019. Budapest

A handwritten signature in blue ink, appearing to read "Gábor", positioned above a dotted line.

managing director

Core Audio Co. Ltd.



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