



User Guide



eos DAC



THANK YOU!

Thank you for purchasing the Ideon Audio **eos digital to analog processor**.

The eos is a fully balanced device, precision crafted and meticulously assembled.

The Ideon Audio eos DAC, utilizes trickle-down technologies and R&D gained, from our extensive work with our flagship Absolute Epsilon DAC and the IQN DAC. Most of the IQN DAC's innovations and designs are found in the eos too, in its own scale.

As with all Ideon components, the eos DAC is a fully proprietary design, with audio technologies developed in-house. A bespoke handcrafted product housing an innovative combination of high-performance design features and best-of-breed quality components.



Connecting the eos

Please complete all necessary connections (see pics below) before connecting the power chord to the mains. Inputs (digital in) and outputs (DAC analog out) are horizontally placed, left & right channel as they appear and marked on the back plate.

Once completed, connect to the mains and switch the device to stand-by mode pressing the main on-off switch in the back.



Connect the eos DAC to a Pre-Amp or Integrated Amp, (to Analog-using the balanced out (XLR)

Connect the eos DAC to a Pre-Amp or Integrated Amp, (to Analog-using single-ended out (RCA)

3 X digital-in inputs (USB and SPDIF/BNC) to connect a digital player to the eos DAC.

Power On / Off

To power on the device, press the on/off (power) push button once, on the left down corner of the device. A blue led light above the on/off button indicates that the device is on. To switch the eos DAC off, press similarly, the same button once. Then the blue light will go out.



Power On/Off switch.
(push-button)

Operating the eos

Front Display

The screen displays:

- **Idle** if there is no signal fed to the DAC
- The **sampling rate** (when there is a signal – otherwise Idle will appear)
- The **digital input** selected (USB, coax1, coax2)



Knob for digital input selection
(USB, coax1, coax2)

By turning the knob (round button) left or right you will be able to select between USB, coax1 & coax2. Once you leave the position selected on the screen, the eos keeps this input selection. If you want to change your digital input, you follow the same steps again.

Drivers Installation

We recommend, even if you are working with some of the drivers available today, to install the Ideon customized USB Audio 2.0 class driver for Windows. This applies only if you are using Windows with your digital source and can be found in <https://ideonaudio.com/downloads/>

You don't need drivers for Linux or Mac.



Technical Specifications

SUPPORTED FORMATS (INPUT DEPENDENT)	44.1kHz to 384kHz PCM up to 32 bits , Native DSD (up to 8X DSD)
DIGITAL INPUTS	3x Advanced isolated input module slots (USB, BNC, RCA)
XLR BALANCED OUTPUTS	5.2 Vrms at 0dB
RCA OUTPUTS	RCA OUTPUTS 2.6 Vrms at 0dB
THD (A WEIGHTED 20HZ-20KHZ)	< - 110dB on all outputs
CHANNEL SEPARATION	>124dB on all outputs
SNR (A WEIGHTED 20HZ-20KHZ)	>120dB on all outputs
DYNAMIC RANGE	20HZ TO 20KHZ 132 dB (FS) . 130 dB (AFS)
DISPLAY	Custom matrix LED display
DIMENSIONS (W X H X D)	460 x 295 x 110 mm ((18.1 x 11.5 x 2.9 in)
WEIGHT	10kg (~22 lbs)



Safety Instructions

- **WARNING. TO REDUCE THE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS DEVICE TO RAIN OR MOISTURE.**
- Clean only with a dry cloth. Do not place flammable material on or underneath this device.
- Do not remove or bypass the ground pin on the end of the AC cord unless necessary to reduce hum from ground loops of connected equipment. Disconnecting the ground may cause RFI (radio frequency interference) to be induced into your playback setup. Removing or bypassing the ground pin on any electrical component is potentially dangerous and should be avoided for safety reasons.
- Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus. Unplug this apparatus during lightning storms or when unused for long periods of time.

Servicing

THERE ARE NO USER-SERVICEABLE PARTS INSIDE ANY IDEON AUDIO PRODUCT. PLEASE REFER ALL SERVICING TO QUALIFIED PERSONNEL.

Please contact your authorized dealer, distributor, or Ideon Audio if you have any questions not addressed in this reference document.



Warranty

Ideon Audio provides a 2-year manufacturer's warranty on all new Ideon Audio components.

The Ideon Audio seven (7) year and extended Lifetime Limited Warranty

You can extend the standard 2-year manufacturer's warranty into a 7-year warranty by registering your product with us. To do that, you need to send us your Name, Address, tel., email and the proof of purchase in the form of a bill of sale, invoice (or copy thereof) from the Ideon Audio dealer or Distributor. For further detail please contact your dealer or refer to Ideon Audio's official site.

Furthermore, Ideon Audio also offers a Lifetime product warranty that can be purchased at 17,5% of the retail price for any of our products. Please coordinate with your dealer or local distributor for that.

The Ideon Audio limited warranty covers defects in the materials and workmanship in this product. Under the terms of this warranty we will repair the product free of charge (parts and labour) — or replace it where we deem that repair is not possible — for malfunction due to inherent defects in the materials or construction.

Ideon Audio has authorized distribution in many countries of the world. Warranty service should be obtained directly from the importing retailer or distributor from whom you

purchased the product. In the unlikely event of service required beyond the capabilities of the importer, Ideon Audio undertakes to fulfill the conditions of the warranty. In case of malfunction please contact your dealer to arrange for service. If you have purchased the product directly from Ideon Audio, please contact us directly at info@ideonaudio.com, quoting subject: fault and a short description of the issue. Please note that the product must be returned using original packaging only and accompanied by a written description of the issue, defect, or malfunction.

***Products covered by the extended, lifetime warranty.**

- This specially extended warranty covers the lifetime of the product model.
- This warranty is transferable under condition that each new owner informs Ideon Audio importers, dealers, or Ideon Audio directly the device model, number, previous owner name & new owner name & address.
- In cases of obsolescence of materials or superseded technology, the product will be repaired using currently available materials and technology of equivalent performance characteristics, or better.
- "Future proof": if Ideon Audio releases upgrades to, or improved versions of, the purchased product, these are made available to subscribers at cost of parts and materials only. Shipping to the service location is borne by the owner, Ideon Audio or its distributors / dealers pay for return shipping.

***This warranty is voided in cases of**

- Damage and /or malfunction caused by tampering or modifications to the product's original state, attempts to fix, or other alterations to the product by persons other than factory authorized service personnel.
- Failure to comply fully with Ideon Audio operating instructions.
- Damage to cables or attachments and cosmetic damage induced by use.
- Damage and /or malfunction caused by improper use, abuse, or improper operation of the product.
- Products obtained outside the network of authorized Ideon Audio dealers and resellers.

General Warranty Terms.

This Warranty is subject to the following conditions and limitations: The Warranty is void and inapplicable if the product has been used or handled other than in accordance with the instructions in this document, abused, or misused, damaged by accident or neglect or in being transported, or the defect is due to the product being repaired or tampered with by anyone other than Ideon Audio or an authorized Ideon Audio repair center.

- The product must be packaged and returned to Ideon Audio or an authorized Ideon Audio repair center by the customer at his or her sole expense in the original packing material. Ideon Audio will pay return freight of its choice for original purchasers.
- Returned product must be accompanied by a written description of the issue or the defect. Ideon Audio reserves the right to modify the design of its products without obligation to purchasers of previously manufactured products and to change the price or specifications of any product without notice or obligation to any person.
- In the event the product fails to meet this Warranty and the above conditions have been met, the purchaser's sole remedy under this Limited Warranty shall be to return the product to Ideon Audio or an authorized Ideon Audio repair center where the defect will be repaired without charge for parts or labor.
- This warranty does not cover the cost of custom installation, customer instruction and setup adjustments.
- This warranty does not cover cosmetic damage or any damage due to accident, misuse, abuse, negligence or modification of, or to any part of the Product, without initial express consent from Ideon Audio. This warranty does not cover damage due to improper operation or maintenance, connection to improper voltage supply, or attempted repair by anyone other than a facility authorized by Ideon Audio to service the Product.



Enjoy the music, enjoy hi-definition in music!