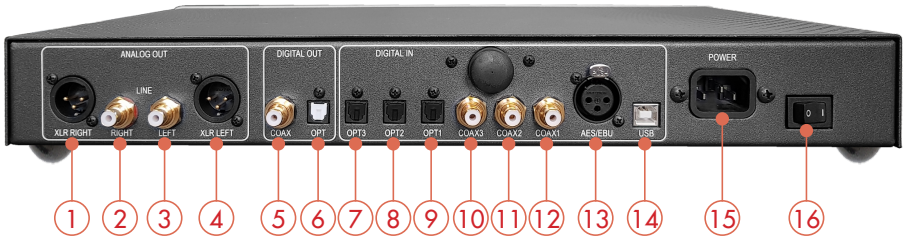
CONNECTING

Reminder: do not make any connections when your device is turned on.



1) XLR output (Right).
2) Analog output (Right).
3) Analog output (Left).
4) XLR output (Left).
5) Digital output (coaxial).
6) Digital output (optical).
7) Digital input 3 (optical).
8) Digital input 2 (optical).
9) Digital input 1 (optical).
10) Digital input 3 (coaxial).
11) Digital input 2 (coaxial).
12) Digital input 1 (coaxial).
13) AES input.
14) USB input (type B).
15) Power plug.
16) ON/SLEEP switch.

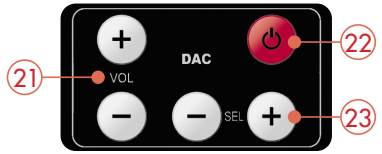
DETAILS OF FUNCTIONS

17) ON/SLEEP knob and sources selection.
18) Headphones output (jack 3,5mm): linking the headphones shut down the Output signals).
NB: When you connect a headphones, regardless of the BY-PASS mode, you'll switch to volume management mode (BY-PASS OFF) in order to manage the volume level of the headphones.
19) Display: selected source shows on the left and frequency sampling on the right. When no signal is detected display shows UNLOCK.
20) Volume control knob (when BY-PASS OFF) from 0 to 80 and filters setup.

REMOTE CONTROL

The remote control is equipped with 2 Lithium CR2025 batteries. This remote control is also able to drive all others ATOLL's products: CD players; Tuner; Integrated or Preamplifier. (See those manuals for details).

21) Volume keys ⊕ & ⊖ (*).
22) ON/SLEEP key.
23) Source selection keys ⊕ & ⊖.



(*) Volume control is possible only when BY-PASS OFF. When changing the volume, level is displayed shortly, then the display shows the sampling frequency.

BLUETOOTH®

Your appliance allows the reception of audio signals sent since any devices having a Bluetooth transmitter (Smartphone, tab, computer…).

First time association:

- Activate the Bluetooth® connectivity of your emitter device.
- Select the Bluetooth® (BT) input of DAC300: unlock symbol BT appears.
- Select your appliance on the list of possible receiver (named DAC300).
- Once the connection is made, the lock symbol BT appears.

The whole audio signals of your device source will then be transmitted towards your DAC300. Your emitter device will remain associated until you unlock the DAC300 with your Smartphone or switch off your amplifier.

Association of another emitter:

- To connect another emitter, you'll need to disconnect the first emitter. The quality of reception of the signal depends on the power of the Bluetooth® emitter and the distance between the 2 devices.

Avoid being more than 5 meters of your DAC300 for a correct reception without any risks of signal cuts.

FILTERS SETUP

While pressing knob (20) you can choose different kinds of digital filters which you can select during listening:

- Standard: fast roll-off, minimum phase filter.
- Fast lin: fast roll-off, linear phase filter.
- Slow min: soft roll-off, minimum phase filter.
- Slow lin: soft roll-off, linear phase filter.
- Apodizing: Fast roll-off by apodizing and linear phase filter
- Hybrid: fast roll-off and minimum phase filter

BY-PASS MODE

This DAC can be used as:

- Single converter as a source linked to a LINE or XLR input of an integrated or preamp which will setup the volume control. In that case you'll need to fix the output level of the DAC300 and put it on BY-PASS position.
- Both converter and preamp directly linked to a power amplifier: volume control is then made by the DAC300. In this configuration, you need to place configuration as BY-PASS OFF.

Put the DAC300 on SLEEP then press knob (20) about 3 seconds. Position ON/SLEEP changes on every press of the knob.

- Display BY-PASS means that the volume control is not activated.
- Display BY-PASS OFF means that the volume control is activated.

Note : BY-PASS mode is recommended when you're using an integrated. If you are using the DAC300 as a preamp, check if the amplifier is able to support a maximum input level of 5 Vrms.

USB INPUT (14)

Your appliance is equipped with a High-Res. asynchronous USB Input (B type). It will be possible to use it only when you'll have downloaded the appropriate driver on your computer. This driver can be freely downloaded on our website at the page:

https://www.atoll-electronique.com/en/xmos-specific-driver-usb/

You will find attached an explanatory guide on how to install this driver.
This driver is not required for Macintosh computers.
To avoid any troubles in the transfer of High Resolution files (DSD & 24 bits/192 kHz), it is recommended to use a USB interconnect with ferrite.

ACCEPTED FORMATS

- Accepted format on optical and coaxial Inputs: 16-24 bits (44,1 kHz, 48 kHz, 88,2 kHz, 96 kHz, 176,4 kHz and 192 kHz).
- Accepted format on USB Input:
  – DSD: DSD64, DSD128, DSD256 and DSD512.
  – PCM: 16-32 bits (44,1 kHz, 48 kHz, 88,2 kHz, 96 kHz, 176,4 kHz, 192 kHz, 352,8 kHz, 384 kHz, 705,6 kHz and 768 kHz).

CAUTIONS

- Do not make any connections when your device is powered on.
- Put your device in a dry and well ventilated place, far from a source of heat.
- Do not put something on your converter.
- Do not make any plug-in when the converter is on.
- Avoid any short-cut.

ADVISES

- To optimize the performance of your device, you should switch it on at least half an hour before any listening, the time for the power stage to reach its ideal working temperature.
- Your device will give you optimal listening quality after this time-lapse.
- Between two uses, it is, therefore, preferable to let the device in the standby position so that it remains at its optimum temperature.
- At night or when you leave your home, it is best to use the main switch to turn off the device.
- To optimize the sound quality of your system, we recommend that you choose good-quality connection cords. Do not hesitate to ask your specialist dealer for advice.
- To avoid any parasite sounds coming from some softwares, we recommend you to unplugged the USB cable from your computer when not using it.

E.C. MARKING

E.C. marking certified the conformity with low tension directive 73/23/CEE, directive CEM 89/336/CEE and national transpositions.

WARRANTY CONDITIONS

The guarantee is **two years** period from date of purchase. We recommend you to ask your dealer to fill the guarantee and to conserve it. The guarantee is only available for appliance which have been use correctly.

You have just bought a Digital/Analog converter DAC300, with exceptional audiophile performances. We really thank you for your confidence in our products. To get the best part of this product, please read carefully this manual.

YOU WILL FIND ENCLOSED

– A converter DAC300.
– A power lead.
– An RCA wire.
– A remote control.
– This manual with the certificate of guarantee.

Latest update: 10th June 2024, 15:00

ATOLL ELECTRONIQUE®
is a French Company that designs, manufactures, and commercializes all its products.

MADE IN FRANCE

TECHNICAL DATA

Supply:	2×10 VA + 10 VA
Total of capacitors:	20 030 µF
Frequency response:	5 Hz - 20 kHz
Converter:	ES9038PRO
Dynamic:	137 dB
THD at 1 kHz (0 dBF):	- 122 dB
Signa/noise ratio:	132 dB
Switch OFF consumption:	0 W
SLEEP power consumption (preheating):	9 W
ON consumption:	13 W
Output level: Maximum line:	2,25 Vrms
Output level: XLR maximum:	2,25 Vrms
Dimensions (mm):	440×308×63
Weight:	5 Kg

(Data subject to change).

WARRANTY FORM ~ DAC300

To present to your dealer with the invoice when returning back the appliance:

ATOLL ELECTRONIQUE®
Bd des Merisiers
50370 BRECEY
FRANCE

Date of purchase:

Place of purchase:

Buyer signature:

Dealer Stamp

OWNER'S MANUAL

DAC300

DIGITAL/ANALOG
CONVERTER

ATOLL ELECTRONIQUE

www.atoll-electronique.com