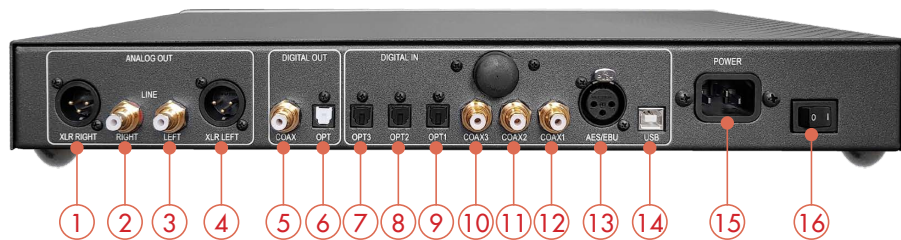


CONNECTING



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



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

DETAILS OF FUNCTIONS



- | | |
|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 17) ON/SLEEP knob and sources selection. | frequency on the right. When no signal is detected on a source, UNLOCK is displayed on the display. |
| 18) Headphone output (3.5 mm jack): linking the headphones mutes the sound on the other outputs. | 20) Volume management button (in BY-PASS OFF mode) from 0 to 80, filter management and display management: off or on mode. |
| 19) Display: the selected source is displayed on the left and the sampling | |

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.

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 appears.
- Select your appliance on the list of possible receiver (named DAC300).
- Once the connection is made, the lock symbol 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

By pressing button (20) on the "PCM Filter" input, you turn the dial and you'll find different digital filters that you can select while listening.

1. Fast Roll - OFF: Minimum Phase.
2. Fast Roll - OFF: Linear Phase.
3. Slow Roll - OFF: Minimum Phase.
4. Slow Roll - OFF: Linear Phase.
5. Apodizing - FAST: Linear Phase.
6. Hybrid - FAST: Minimum Phase.
7. Brickwall.

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 the volume control knob (20) about 3 seconds. Each long press of the button changes the BY-PASS ON/OFF mode.



- 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 unplug 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 (with 2 Lithium batteries CR2032).
- This manual with the certificate of guarantee.

Latest update: 23th September 2025

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



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