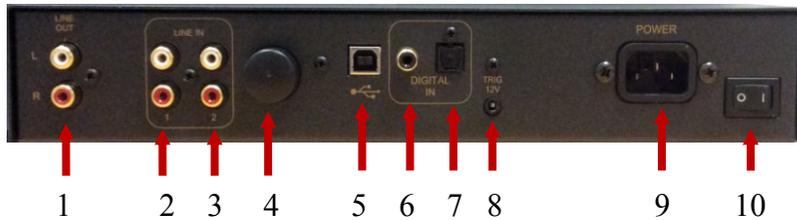


CONNECTING:

Rear view of appliance:

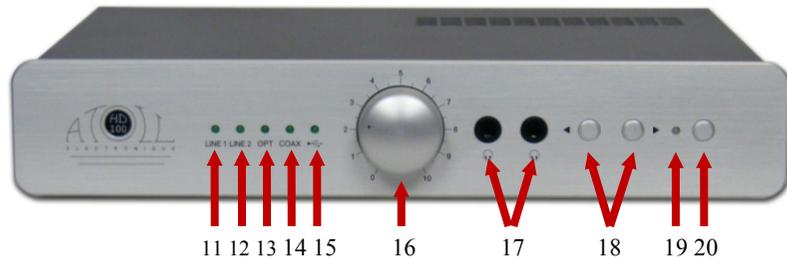


- | | |
|-----------------------------------|-------------------------|
| 1- Analog. Outputs (Left & Right) | 6- Coaxial Input |
| 2- Line 1 Input | 7- Optical Input |
| 3- Line 2 Input | 8- Trigger Output |
| 4- Bluetooth receiver | 9- Power plug |
| 5- USB Input (B type) | 10- On/Off Power Switch |

This appliance is equipped with a Trigger that allows the switch ON/OFF of any amplifier equipped with the same kind of trigger inputs (ATOLL's amplifiers).

Use the cable included Male to Male STEREO jack plug 3.5mm (1/8")

Front view of appliance:



Inputs leds indicators:

- | | |
|---|---|
| 11- LINE 1 Input (analog.) | 16- Volume setup knob |
| 12- LINE 2 Input (analog.) | 17- Headphones Outputs ⁽²⁾ |
| 13- Optical Input (digital) | 18- Sources selectors knobs |
| 14- Coaxial Input (digital) | 19- On/Off indicator led ⁽³⁾ |
| 15- USB-B/Bluetooth Inputs ⁽¹⁾ | 20- On/Stand-by knob |

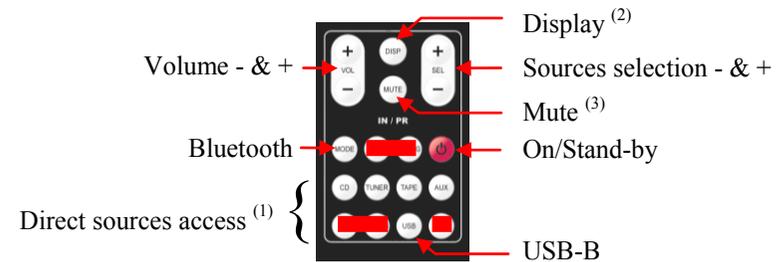
⁽¹⁾ USB-B input lights green; Bluetooth input lights blue.

⁽²⁾ Headphones Outputs (jack 6,35mm): the connection of one or two headphones commutates the relay and thus cut the sound on the level of the preamp outputs.

⁽³⁾ Led indicator : orange=stand-by; green=switch on; red=mute

REMOTE CONTROL:

Your Integrated can be used with our global ATOLL remote control (optional). Your Remote Control is fully equipped with 2 Lithium 3V batteries CR2025.



(1) Direct Access keys:

- CD key = Line 1
- Tuner key = Line 2
- Tape key = OPT (Optical Input)
- AUX key = COAX (Coaxial Input)
- USB key = (USB Input)

(2) Display: Allows switching On/Off all indicators leds of the front panel. They'll always get on after a Stand-by or Switch On the appliance.

(3) MUTE: MUTE key of the remote cuts Headphones Outputs and also the Preamp. Outputs of the Appliance. To remove from MUTE, use the MUTE key again or with the key volume +.

BLUETOOTH: (MODE key)

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 your appliance on the list of possible receiver (named ATOLL HD120);
- With key of the remote or with keys SEL +/- (18) of the front panel, select the Bluetooth input of your HD120 (led 15 lighting in blue).

The whole audio signals which will be read on your device source will then be transmitted towards your HD120. Your emitter device will remain associated until you switch off your HD120 but he will remain visible for your emitter.

Association of another emitter:

Once associated to an emitter, you'll need to switch completely your HD120 off in order to make it visible from another emitter.

The quality of reception of the signal can be dependent on the power of the Bluetooth emitter and the distance between the 2 devices. Avoid being up to more than 5 meters of your HD120 for a correct reception without any risks of signal cuts.

E.C. MARKING:

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

GUARANTEE:

The guarantee is **two years** long 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 has been use correctly.

ACCEPTED FORMAT:

- Accepted format on optical & coaxial Inputs: 16-24 bits (44,1kHz, 48kHz, 96kHz and 192kHz).
- Accepted format on USB Input: 16-24 bits (44,1kHz, 48kHz, 96kHz and 192kHz).

USB INPUT (13) :

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:

<http://www.atoll-electronique.com/convertisseur-dac.php>

You will find with this manual a comprehensive note for the install of this driver.

To avoid any troubles in the transfer of High Resolution files (24bits/192kHz), it is recommended to use a USB interconnect with ferrite.



TECHNICAL DATAS:

HEADPHONES AMP. PREAMP/CONVERTER – HD120	
Power Supply:	12,8 VA
Efficacy Power:	1,4W / 32Ω
Impulsion Power:	6,8W/ 32Ω
Total of capacitors:	12 425 μF
Inputs :	- 2 analog - 3 digital - 1 Bluetooth
Inputs Impedance:	220 kΩ
Impedance on Headphones Outputs (X2)	1 Ω
Frequency response:	1Hz – 150kHz
Rising Time:	3 μs
Signal/Noise Ratio:	100 dBA
Distorsion at 1kHz:	< 0,01%
Dimensions (mm) :	320*220*60
Weight:	2,5 Kg

(Datas are subjects to changes)

You have just bought a Headphones Amplifier & Preamp./Converter HD120, 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.

CAUTIONS:

- Put your amplifier in a dry and well ventilated place, far from source of heat;
- Do not put something on your amplifier;
- **Do not make any plug in when the amplifier is on;**
- Avoid any short-cut;

Precautions about listening with Headphones:

at full power, a long listening with Headphones can damage the ears of the user. Make pauses and limit the total duration of use in the day without exceeding one hour per day at average volume.

You'll find enclosed:

- A Headphones amplifier / Preamp. Converter HD120;
- A powerlead;
- An RCA wire;
- A Trigger link cable;
- This manual with the certificate of guarantee.

- **Optional : Remote control**

OWNER'S MANUAL

HEADPHONES AMPLIFIER & PREAMP. CONVERTER

HD120



GUARANTEE - HD120

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

ATOLL ELECTRONIQUE®
Bd des Merisiers
50370 BRECEY
FRANCE

Dealer Stamp

Date of purchase:

Place of purchase:

Buyer signature:

ATOLL
ELECTRONIQUE