OWNER'S MANUAL

IN800 Evolution

INTEGRATED AMP-PREAMP.

ATOLL ELECTRONIQUE

www.atoll-electronique.com

You have just bought an integrated amp-preamp. IN800 EVO with exceptional audiophile performances. We really thank you for your confidence in our products. To get the best part of your amplifier, please read carefully this manual.

ABOUT THIS INSTRUCTION MANUAL

Areas with a grey background apply only to functions usable with an integrated amplifier equipped with the DA800 digital input board and/or the P800 phono input board.



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YOU WILL FIND THE FOLLOWING PARTS AND DOCUMENTS IN YOUR PACKAGE:

– An IN800 EVO integrated amplifier/preamplifier.
– A power cord.
– An ATOLL remote control with 2 AAA batteries.
– This user manual, accompanied by a warranty card.

Last updated: June 19, 2026

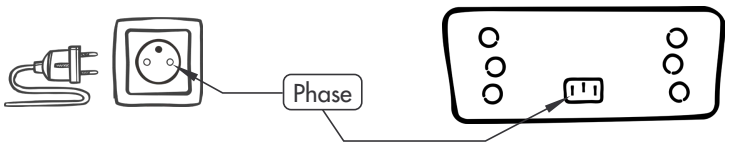
1.- PRECAUTIONS FOR USE

- Do not make any connections while the device is powered on.
- Install the device in a dry, well-ventilated location away from any heat source.
- Strictly observe the polarity ⊕ and ⊖, and the left/right connection orientation.
- Never connect two speakers in parallel to the same output.
- Ensure that nothing is ever placed on top of the amplifier.

MAINS PHASE

- To ensure optimal musical performance, our technical department has phased your unit.
- To fully benefit from this adjustment, you must adhere to the following two conditions:

  – Your unit must be connected to a mains outlet wired according to European standards (earth at the top, live/phase on the right).



  – The connection must be made using the power cord supplied with the unit or a power cord that complies with European standards.

DIRECTIONS FOR USE

- Your amplifier will deliver optimal sound quality approximately half an hour after being powered on, allowing the power stages to reach their ideal operating temperature. Therefore, if you plan to use the unit again soon, it is best to leave it powered on. At night or when leaving home, it is recommended to switch the unit off using the main power switch or to place it in standby mode with ECO mode enabled (see Chapter 4).
- We recommend using high-quality connecting cables (for both other components and the speakers). Do not hesitate to seek advice from your specialist dealer.

MAINTENANCE

Before any maintenance, unplug the device from the mains. A soft, dry cloth is sufficient to clean the casing. Do not use any products containing acetone, white spirit, ammonia, or abrasive agents.
Never attempt to clean the inside of the device.

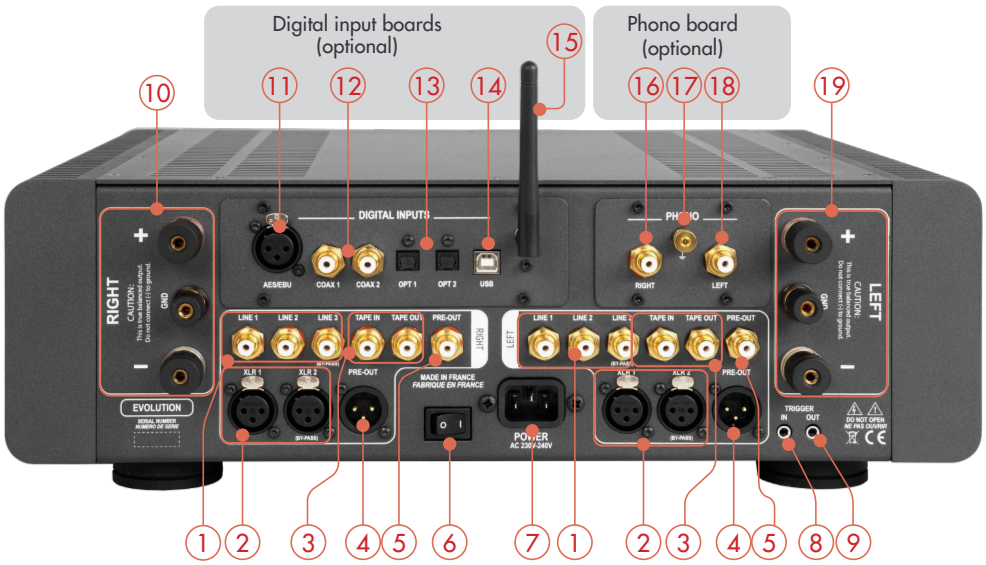
GUARANTEE

The warranty applies for **two years** from the date of purchase. We therefore recommend that you have the enclosed warranty certificate filled out by your retailer and keep it. **Warranty coverage applies only to appliances that have been used and maintained in accordance with the instructions contained in this document.**

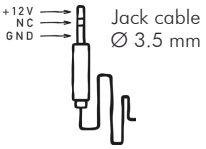
CE MARKING

The CE marking attests to conformity with the Low Voltage Directive 73/23/EEC, the EMC Directive 89/336/EEC, and their national transpositions.

2.- CONNECTIONS



1) 3× RCA LINE inputs (LINE 3 can be configured for BY-PASS mode) [1].
2) 2× XLR inputs (XLR 2 can be configured for BY-PASS mode) [1].
3) RCA TAPE input/output (TAPE OUT can be used to connect a headphone amplifier, for example).
4) XLR PRE-OUT output.
5) RCA PRE-OUT output.
6) ON/OFF switch.
7) Mains power inlet.
8) 12 V Trigger input [2]: allows the IN800 to be switched on/off by a device equipped with a compatible Trigger output.
9) 12 V Trigger output [2]: allows any device equipped with a compatible Trigger input to be switched on/off.
10) Right speaker output (⊕ / ⊖) and GND earth connection.
19) Left speaker output (⊕ / ⊖) and GND earth connection.



[1] See the BY-PASS function on page 6.
[2] The Trigger connection must be made using a 3.5 mm stereo male-to-male jack cable.

Digital input board: DA800 (optional)

11) AES/EBU input.
12) Coaxial inputs 1 & 2.
13) Optical inputs 1 & 2.
14) USB input (Type B).
15) Bluetooth® antenna.

PHONO input boards: P800 (option)

16) PHONO input, right channel.
17) PHONO ground.
18) PHONO input, left channel.

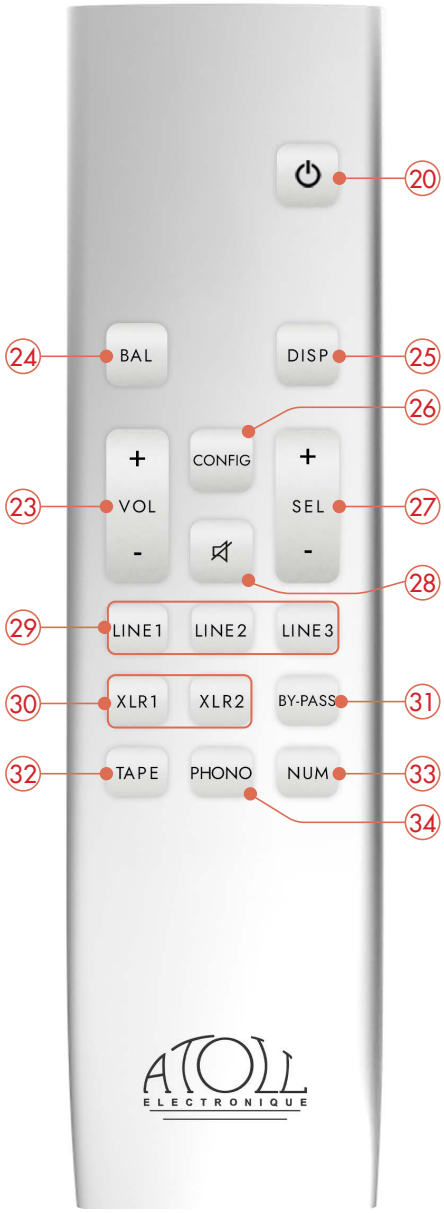
3.- DETAIL OF FUNCTIONS



20) Power/Standby button (press); source selection (rotate).
21) Display: indicates the selected source (left) and the volume level (right).
22) Standby LED.
23) Power button (press), volume control (rotate), and menu navigation (press, rotate).
See Remote Control section.

4.- REMOTE CONTROL

The remote control comes with two AAA batteries. When inserting them, observe the ⊕ and ⊖ polarity.



20) Power on/standby

24) BAL: Access the Balance menu.

25) DISP: Display management: high, medium, or low intensity, or off (cycle through settings by pressing repeatedly).

23) VOL: Volume control ⊕ / ⊖.

26) CONFIG: Access menus:

A long press on CONFIG allows you to rename the selected input. Select characters using the VOL ⊕ / ⊖ keys, move to the next character using the SEL ⊕ / ⊖ keys, then confirm by pressing CONFIG again.

– Balance (1 press): Adjust the balance using the VOL ⊕ / ⊖ keys. The balance range is -9 to +9 for each channel.

You can save this setting by long-pressing the CONFIG key (*).

– Display (2 presses): Use the VOL ⊕ / ⊖ keys to select high, medium, low, or off. You can save this setting by long-pressing the CONFIG key (*).

– SBY ECO (3 presses): Use the VOL ⊕ / ⊖ keys to select the time delay before the unit switches to eco-mode while in standby.

- OFF: The unit remains in warm-up mode: power consumption is 55 W.

- 10 sec, 5 min, 15 min, 60 min: Standby power consumption drops below 0.5 W after the set time elapses.

27) SEL: Source selection ⊕ / ⊖.

28) MUTE: Mute button: To restore sound, press the MUTE key again, press VOL ⊕ / ⊖, or change the source.

29) LINE: Select LINE 1, 2, or 3 inputs (LINE 3 can be configured as BY-PASS (1) by long-pressing the BY-PASS key on the remote control).

30) XLR: Selects XLR inputs 1 and 2 (XLR 2 can be configured as BY-PASS (1) by long-pressing the BY-PASS button on the remote control).

31) BY-PASS: Selects the input configured as BY-PASS (1).

32) TAPE: Selects the TAPE input.

33) NUM: Selects digital inputs COAX 1 & 2, OPT 1 & 2, USB, BT, and AES/EBU.

34) PHONO: Selects the PHONO input.

(*) *This setting will be retained even after restarting via the main switch.*

5.- BY-PASS

(1) USE OF THE BY-PASS INPUT

The BY-PASS input allows you to use your IN800 as a power amplifier (connecting it to the output of an A/V preamplifier, for example). **The LINE 3 and XLR 2 inputs can be configured for BY-PASS mode.**
To do this, select one of these inputs, then press and hold the BY-PASS button on the remote control for 3 seconds. “BY-PASS” will appear on the display.

Once configured, this input can be selected via the front panel (20), the SEL ⊕ / ⊖ buttons on the remote control, the BY-PASS button (short press), or the LINE 3 or XLR 2 button (if one of these inputs is configured for BY-PASS).

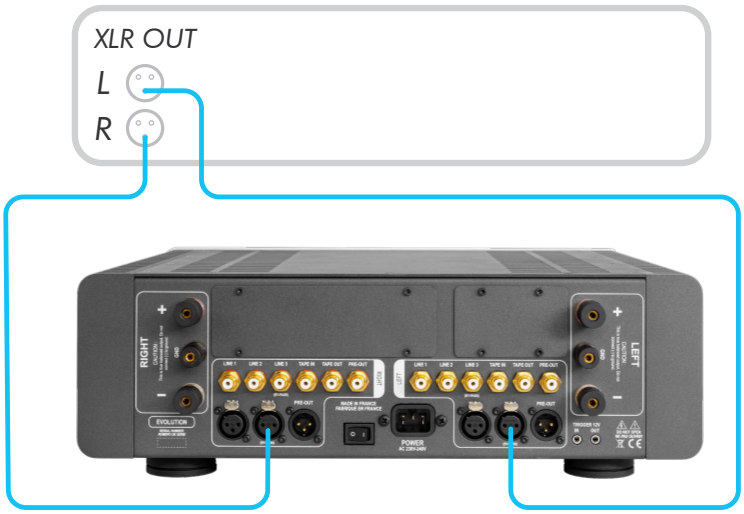
To disable a BY-PASS input, select it and then press and hold the BY-PASS button on the remote control for 3 seconds.

The diagrams below show the wiring options for these different applications:

AUDIO-VIDEO PREAMPLIFIER



AUDIO-VIDEO PREAMPLIFIER

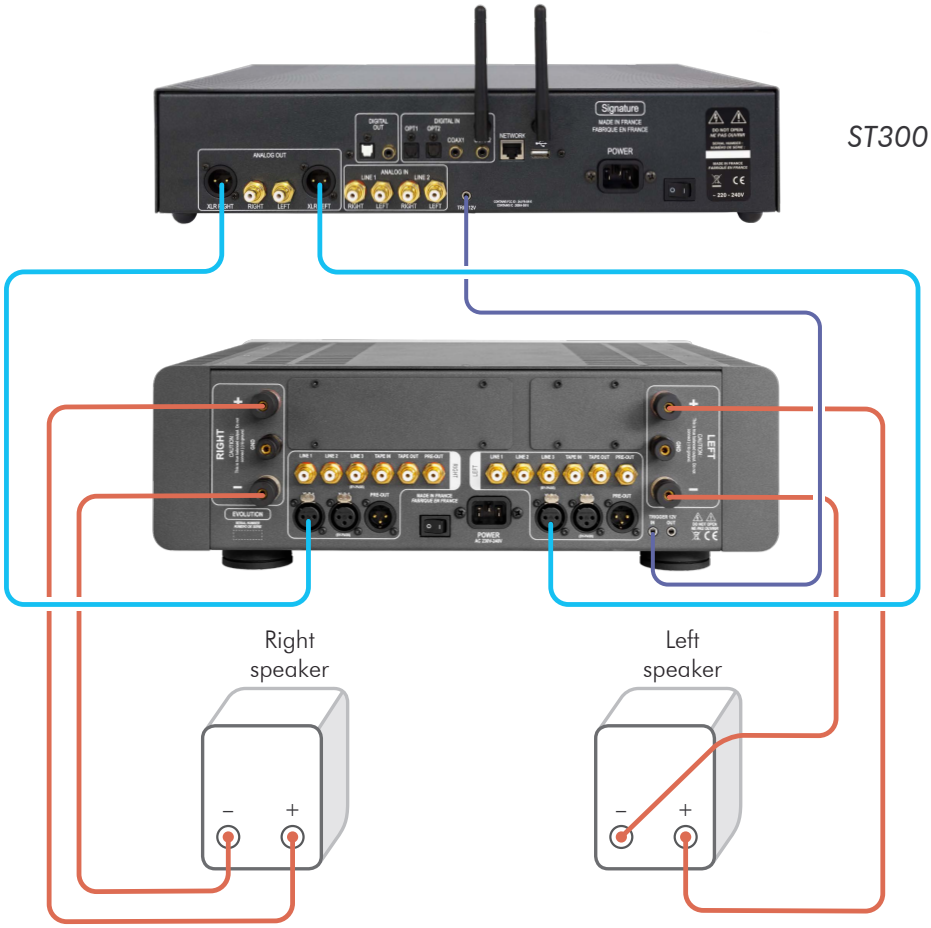


Examples of connections from a preamplifier (e.g., an audio-video preamp) to the LINE 3 or XLR 2 input, configured in BY-PASS mode.

6.- WIRING DIAGRAMS

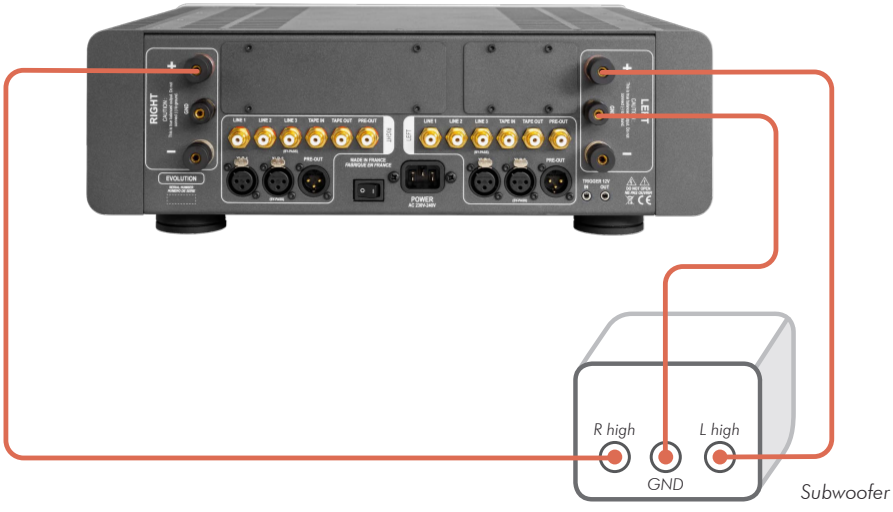
This device uses differential mode amplification; therefore, it is important to strictly follow the connection diagram examples below:

Connection example:
XLR source with trigger activation and a pair of speakers.



When using the Trigger input (IN), the IN800's mains power switch must be in the OFF position.
The IN800 automatically exits standby mode when triggered.

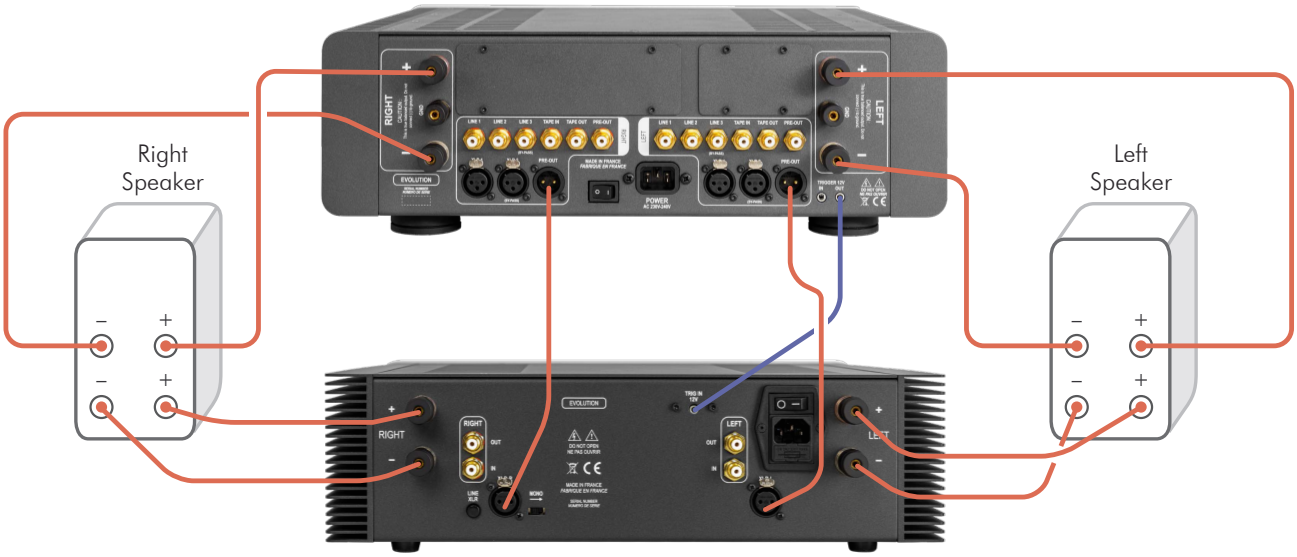
High-level connection of a subwoofer



Here is an example of "high-level" subwoofer wiring using the GND terminal as the ground point.

Do not connect a ⊖ terminal of the IN800 to the subwoofer's GND terminal.

Connecting an additional stereo unit via XLR output



Example:
AM400 EVO power amplifier

It is essential to remove the speaker terminal jumpers connecting the bass and mid-range sections before proceeding with this type of passive bi-amplification connection.

Strictly observe the polarity ⊕ and ⊖.

For the Trigger system to be operational, the power amplifier's ON/OFF button must remain in the OFF (0) position. If the switch is in the ON (1) position, the unit will operate, but the Trigger function will not work.

The Trigger connection must be made using a 3.5 mm stereo male-to-male jack cable.

From then on, the power amplifier will switch on whenever the IN800 EVO exits standby mode. It will also switch off whenever the unit enters standby mode.

7.- TAPE INPUT/OUTPUT – MONITOR LOOP

The TAPE function allows you to record music from any selected source.
You can also activate a continuous monitoring loop as follows:

- Select a LINE input, then press and hold the TAPE button on the remote control for 3 seconds. The TAPE symbol lights up, indicating that the monitoring loop is active.

This mode can be used to insert a filter (such as an equalizer) between the TAPE IN and TAPE OUT jacks.

This setting is saved even if the unit is disconnected from the mains. To deactivate this mode, simply press and hold the TAPE button on the remote control for 3 seconds again.

When the monitoring loop is engaged, the TAPE IN and TAPE OUT connections must be connected to either a recorder or an equalizer; otherwise, there will be no sound.

This monitoring loop applies only to the RCA and PHONO inputs; it does not activate for the XLR and digital inputs.

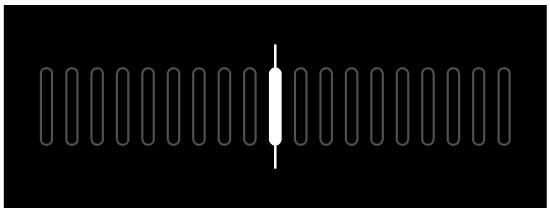
8.- SCREEN

DEFAULT SCREEN

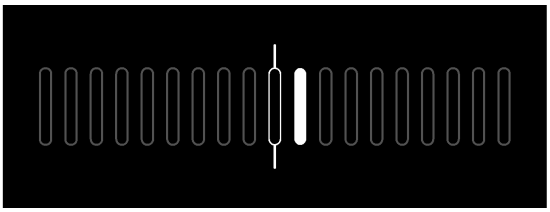


Display of source and volume (0 to 80)

MENU BALANCE

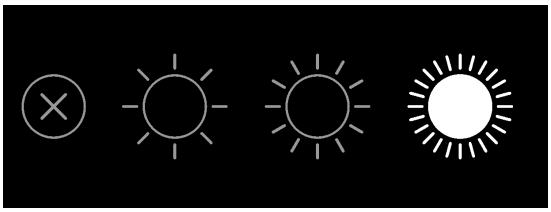


Centered balance setting.

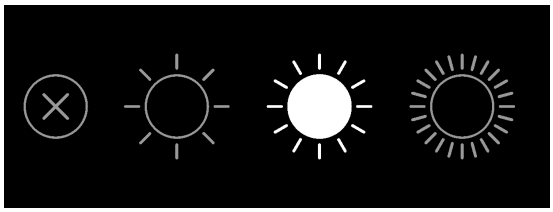


Example of a balance setting shifted one unit to the right.

DISPLAY INTENSITY

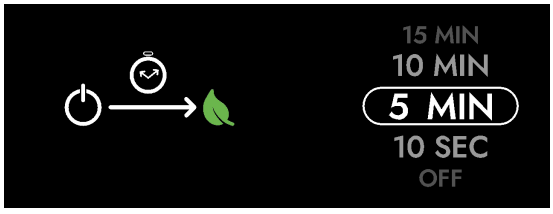


Maximum intensity (default).



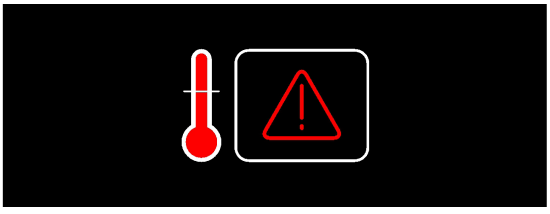
Example setting: medium intensity.

ECO MODE

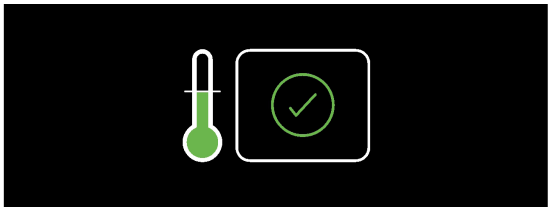


Allows you to set the time delay after which the device switches to low-power mode when in standby.
Example: 5 minutes (shown above).

THERMAL SAFETY



Safety shutdown in the event of excessive heat.



Return to normal operation once the device temperature has stabilized.

BY-PASS MODE



The LINE 3 input can be configured to BY-PASS mode by long-pressing the BY-PASS button.



XLR input 2 can be configured to BY-PASS mode by long-pressing the BY-PASS button.

9.- OPTIONAL BOARDS

P800 PHONO INPUT BOARD (OPTIONAL)



When the P800 phono board is installed, the device automatically adds the PHONO input to the selection. This input does not replace an existing input but supplements the other inputs.

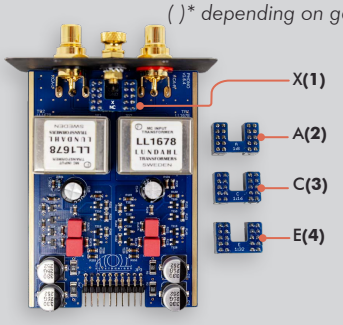
SPECIFICATIONS

- Configurable for MM and MC (low, medium, and high gain)
- Two high-performance MC transformers (Lundahl)
- Class A biased discrete component stages

TECHNICAL DATA

Input impedance: 47 kΩ
Signal-to-noise ratio: 100 dB
Crosstalk at 1 kHz: < -86 dB
Frequency response
(20 Hz – 20 kHz): < 0.1 dB
THD at 1 kHz: 0.005%
MM gain: 41 dB **(1)***
High-output MC gain: 59 dB **(2)***
Medium-output MC gain: 65 dB **(3)***
Low-output MC gain: 71 dB **(4)***

( ) depending on gain board configuration*



Insert the gain board marked **X(1)**, **A(2)**, **C(3)**, **E(4)** into the connector on the P800 board to obtain the desired gain.
Example: MM (41 dB) shown opposite.

DA800 DIGITAL INPUT BOARD (OPTIONAL)



When the DA800 board is installed, the device automatically adds the digital inputs to the selection and displays the sampling frequency.

CONNECTIVITY

1 AES/EBU input (44.1 kHz to 192 kHz)
2 Coaxial inputs (44.1 kHz to 192 kHz)
2 Optical inputs (44.1 kHz to 192 kHz)
1 USB input (PCM 44.1 kHz to 768 kHz and DSD 64 to DSD 256)
1 Bluetooth 5.0 input

TECHNICAL DATA

Dual AK4497S converters:
– Dynamic range: 133 dB
– Signal-to-noise ratio: 133 dB
– Decoded formats: up to 32-bit/768 kHz
XMOS USB converter:
– Asynchronous operation
– Custom ATOLL firmware
– PCM up to 32-bit/768 kHz and DSD64 to DSD256
BM83 Bluetooth module:
– Bluetooth 5.0: 16-bit and 24-bit at 44.1 kHz and 48 kHz
– I2S output connected to AK4497S converters
– Screw-on external antenna

10.- USB INPUT (DA800 BOARD)

Your device is equipped with an asynchronous USB input (Type B) (14). You can only use it after installing the appropriate driver on your computer.
This driver is available for free download from our website:

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

This driver is not required for Macintosh computers.
To avoid issues when transferring high-quality files (24-bit/192 kHz), it is recommended to use a USB cable equipped with a ferrite core.



11.- BLUETOOTH INPUT (DA800 BOARD)

Your device can receive audio signals from any device equipped with a Bluetooth® transmitter (smartphone, tablet, computer, etc.).

Initial pairing:

- Select the Bluetooth® input on the IN800; the icon appears on the display.
- Activate Bluetooth® connectivity on your transmitting device. Select the IN800 from the list of devices.
- Once the connection is established, the symbol appears.

All audio signals played on your source device will then be transmitted to your IN800.
The two devices will remain paired as long as the Bluetooth input is selected on the IN800.
Pairing will occur automatically whenever you switch back to the IN800's Bluetooth input.

Pairing another transmitter:
To pair a different transmitter, you must first unpair the currently connected one. Pairing is then performed as described above.

For optimal reception quality, keep the distance between the transmitter and the IN800 under 5 meters, and ensure the antenna is securely screwed in.

12.- TECHNICAL DATA

Power:	2×350 Wrms / 8Ω 2×550 Wrms / 4Ω
Total capacitance:	128 000 µF
Bandwidth (-3 dB):	5 Hz – 100 kHz
Rise time:	2 µs
Input impedance:	220 kΩ
Sensitivity:	400 mV
Signal-to-noise ratio:	100 dB
Distortion at 1 kHz:	0,05 %
Standby power consumption (low power):	< 0,5 W
Dimensions:	443×440×147 mm
Weight:	27 Kg

(Technical data subject to change)



WARRANTY FORM ~ INTEGRATED IN800 EVO

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

ATOLL ELECTRONIQUE®
1 Boulevard des Merisiers
50370 BRECEY
FRANCE

Date of purchase:

Place of purchase:

Buyer signature:

Dealer Stamp

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

MADE IN FRANCE