## *CONNECTING*

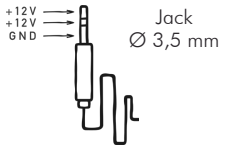
1) Aux input (or phono optional).
2) CD. input.
3) Tuner input.
4) DVD input.
5) Tape input (IN-PLAY)[2].
6) Tape output (OUT-REC)[2].
7) BY-PASS input.
8) Preamp output (to 1 or 2 amplifiers or to a subwoofer).
9) Right speaker output (⊕ & ⊖).
10) Trigger output[1].
11) Left speaker output (⊕ & ⊖).
12) Switch ON/OFF and general plug-in (with protection fuse).

*[1] Trigger output: this output is used to control the switching off/on of any device equipped with a compatible trigger input (see instructions for use).*

Trigger cable must be a Male to Male stereo jack plug Ø 3,5mm (1/8").

### Digital board (optional):

13) Bluetooth receiver.
14) Coaxial inputs 1 & 2.
15) Optical inputs 1 & 2.
16) USB input (B type).




## *DETAILS OF FUNCTIONS*

17) AUX or Coaxial 1.
18) CD. input or Coaxial 2.
19) TU input or Optical 1.
20) DVD input or Optical 2.
21) TAPE input or USB.
22) BY-PASS input or Bluetooth®.
23) Digital/Analog indicator[3].
24) Headphones jack.
25) Volume control.
26) IR receiver.
27) Inputs selector[3].
28) Stand-by key.





### [2] Tape In/Out - Monitoring:

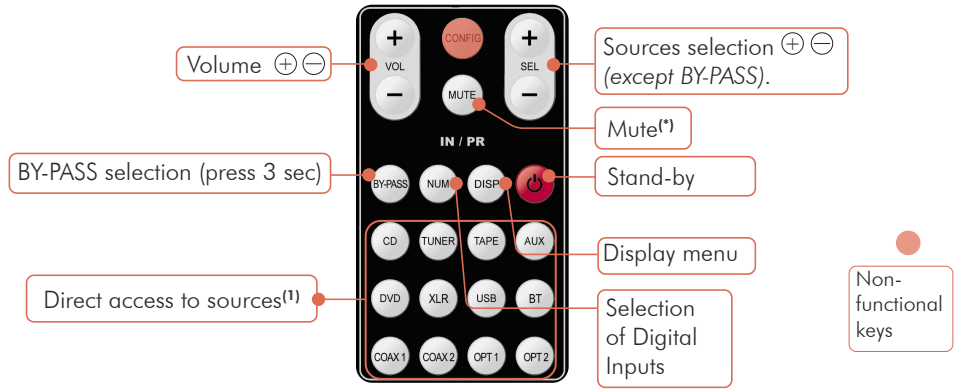
The TAPE function allows recording music from any selected sources. Select the source then hold 3 seconds on the TAPE key. TAPE Led (21) switch on and indicates that monitoring is active. This function can also be used to insert a filter (or equalizer).

### [3] Using of the BY-PASS Input:

The source selection is made with the keys (27). To switch from analog sources to digital sources (if you have this option), you must press these 2 buttons simultaneously. When digital sources are selected, the indicator (23) lights up.

## *REMOTE CONTROL*

An optional remote control is available. It is equipped with 2 Lithium CR2025 batteries. This remote control is also able to drive all others ATOLL's products: CD players, Tuners, DACs.




*[*] MUTE key: to get off the Mute, press any active key of the remote control.*

*[1] Access to inputs OPT1 – OPT2 – COAX1 – COAX2 – USB – BT is only possible if your appliance is equipped with the digital board.*

## *USING THE BY-PASS INPUT*

Warning: reduce the volume of the source connected to BY-PASS before any use of the BY-PASS Input.

The BY-PASS Input offer you the capacity to use your Integrated as a Power amplifier (plugged to an A/V processor for example). This Input can be selected from the front panel (key 27) or with the BY-PASS key of the remote control (hold 3 seconds). Once selected, led (22) switch on. Then, no other functions are available from the front panel or the remote control (except Stand-by). The Integrated can be used exactly as a Power Amp. Press once BY-PASS to get back from this mode.

### *USB INPUT (16)*

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/

This driver is not useful for MAC or Linux computers.
To avoid any troubles in the transfer of High Resolution files (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).

### *BLUETOOTH®*

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

**First association:**

- Select Bluetooth® input on the product (leds 22&23 switch ON).
- When led (22) BT is blinking, it means that no device is associated.
- On your transmitter, select your IN in the list of available Bluetooth®.
- Once connected, led (22) BT stays ON.

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

**Associate another emitter:**

- If needed, dissociate the previous transmitter. (Blinking of led (22) BT means that the receiver is searching for a new emitter) then associate it.

For a better transmission between the devices, keep the transmitter closer than 5 meters from the receiver.





### *CAUTIONS*

- Do not make any connections when your device is powered on.
- Put your device in a dry and well ventilated place, far from source of heat.
- Strictly respect polarity ⊕ & ⊖, as well as the left and right connections.
- Avoid any short-cut.
- Do not plug-in two speakers in parallel on the same output.

Warning: The level indicated on the graduations of the volume potentiometer is arbitrary, it does not directly indicate the power delivered. Indeed, depending on your configuration (source and speakers) the maximum power may be exceeded from level 4 of the potentiometer and therefore generate excessive heating or premature wear of the amplifier.

### *ELECTRONIC PROTECTION*

Your device has a thermoelectronic protection system. If the amplifier overheats, the device automatically decreases the volume.

### *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.

*You have just bought an Amp-Preamp. Integrated 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.*

## *CONCERNING THIS OWNER'S MANUAL*

Paragraphs with grey frames concerns only appliance getting the optional digital board installed.

### *YOU WILL FIND ENCLOSED*

– An amp-preamp integrated.
– One power lead.
– This manual with the certificate of guarantee.

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

MADE IN FRANCE

| *TECHNICAL DATA* | *IN50 Sig* | *IN80 Sig* | *IN100 Sig* |
|---|---|---|---|
| Efficacy power: | 50 W /ch./8Ω<br>70 W /ch./4Ω | 80 W /ch./8Ω<br>120 W /ch./4Ω | 100 W /ch. 8Ω<br>140 W /ch./4Ω |
| Impulse power: | 90 W /ch. | 150 W /ch. | 180 W /ch. |
| Supply: | 170 VA | 340 VA | 2×340 VA |
| Total of capacitors: | 17 874 µF | 31 474 µF | 31 474 µF |
| Inputs: | 5+1 BY-PASS | 5+1 BY-PASS | 5+1 BY-PASS |
| Preamp outputs: | 2 | 2 | 2 |
| Switch OFF consumption: | 0 W | 0 W | 0 W |
| Standby power consumption (preheating): | 11 W | 11 W | 13 W |
| ON consumption: | 12 W - 300 W | 12 W - 400 W | 14 W - 500 W |
| Input impedance: | 357 kΩ | 357 kΩ | 357 kΩ |
| Sensitivity: | 100 mV | 100 mV | 100 mV |
| Signal/Noise ratio: | 100 dBA | 100 dBA | 100 dBA |
| Distortion at 1 kHz: | 0,05% / (10 W) | 0,05% / (10 W) | 0,05% / (10W) |
| Bandwidth: | 5 Hz - 100 kHz | 5 Hz - 100 kHz | 5 Hz - 100 kHz |
| Rising time: | 2,5 µs | 2,5 µs | 2,5 µs |
| Dimensions: | 440×305×95 | 440×305×95 | 440×305×95 |
| Weight: | 7 Kg | 8 Kg | 11 Kg |

*(technical data are subject to changes)*

### *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** 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 appliances which have been use correctly.

### *MAINTENANCE*

Before any cleaning, switch off your device. Use a soft and dry rag to clean up the appliance. Never use acetone, white-spirit, ammoniac, or any kind of product containing abrasive agent. Never try to clean up inside the appliance.

GUARANTEE ~ INTEGRATED

*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

## IN50 SIGNATURE
## IN80 SIGNATURE
## IN100 SIGNATURE

INTEGRATED AMP-PREAMP.

ATOLL ELECTRONIQUE

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