

# OWNER'S MANUAL

*Preamplifier processor  
Multichannel*

PR 5.1



*You have just bought a preamplifier/processor multichannel with exceptional audiophile performances. We really thank you for your confidence in our products. To get the best part of your preamplifier, 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;
- Respect polarity + & - and switches Left & Right;

ADVISES :

We recommend you to use good wires to link with the other elements (sources, amplifier and loudspeakers...). Don't hesitate to take advise from your dealer.

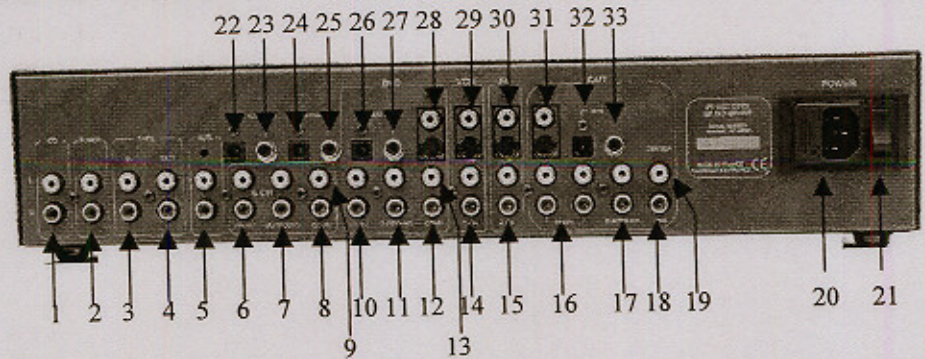
Concerning this owner's manual : paragraphs with grey frame concerns only preamplifiers getting the optional processor DSP board installed. Otherwise, "no DSP" appears on display.

*You'll find enclosed:*

- *a preamplifier Audio-Video PR5.1 ;*
- *a sector wire;*
- *an universal ATOLL remote control ;*
- *this manual with the certificate of guarantee.*

## CONNECTIONS:

Rear view of appliance :



### Details of connections:

#### Audio stereo Inputs

- 1- CD Input
- 2- Tuner Input
- 3- Tape Input
- 4- Tape Output (\*)
- 5- Auxiliary Input (or optional Phono)

#### Audio analog Inputs

- 10- DVD Input: Front (L&R)
- 11- DVD Input: Rear (L&R)
- 12- DVD Input: Subwoofer
- 13- DVD Input: Center
- 14- VCR Input (L&R)
- 15- AV Input (L&R)

#### Numeric Inputs

- 22- CD Input digital optical
- 23- CD Input digital coaxial
- 24- AV Input digital optical
- 25- AV Input digital coaxial
- 26- DVD Input digital optical
- 27- DVD Input digital coaxial

#### Multichannel analog Inputs

- 6- "6 channel" Input: Front (L&R)
- 7- "6 channel" Input: Rear (L&R)
- 8- "6 channel" Input: Subwoofer
- 9- "6 channel" Input: Center

#### Audio multichannel Outputs

- 16- Front Outputs (2 pairs L&R)
- 17- Rear Outputs (L&R)
- 18- Subwoofer Output
- 19- Center Output
- 20- Power Plug (with fuse)
- 21- Power Switch

#### Video Inputs & Outputs

- 28- Video DVD Inputs (coax. & S-video)
- 29- Video VCR Inputs (coax. & S-video)
- 30- Video AV Inputs (coax. & S-video)
- 31- Video Outputs (coax. & S-video)

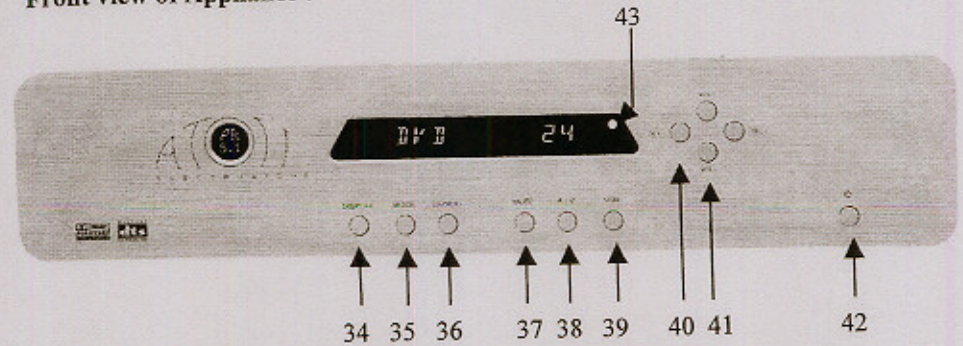
#### Audio numeric Outputs

- 32- Digital optical Output
- 33- Digital coaxial Output

(\*) The Left & Right Tape Out jacks follows the configuration of the Front Left & Right discrete outputs. Full surround downmix is available at the tape out only when the Center and Surround speakers are set to off in the Configuration menu.

## FUNCTIONS :

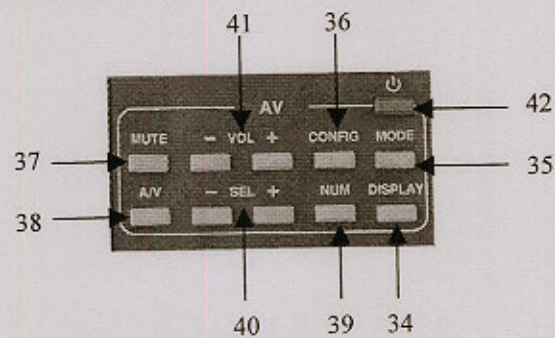
### Front view of Appliance :



- 34- DISPLAY : switch ON/OFF Display;
- 35- MODE : surround/stereo selection ;
- 36- CONFIG. :general settings of preamplifier;
- 37- MUTE : mute;
- 38- A/V : Audio or Audio/Video Inputs selection ;
- 39- NUM. : selection of Input source mode - digital or analog ;
- 40- Inputs selection SEL+ and SEL - ; menus selection ;
- 41- Volume VOL+ et VOL - (from 0 to 80 with NOISE "ON"; from 0 to 55 with NOISE "OFF"); configurations settings ;
- 42- Stand-By;
- 43- Digital stream indicator « NUM ».

### Remote Control :

All functions of the remote control are common to front panel. The remote control is also able to drive all others ATOLL's products : CD player ; Tuner ; Integrated or preamplifier having this option.

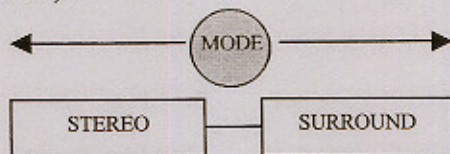


**« DISPLAY » Key (34)**

Switch ON/OFF the display during operation. When the display is OFF, press any key to switch it ON.

**« MODE » Key (35)**

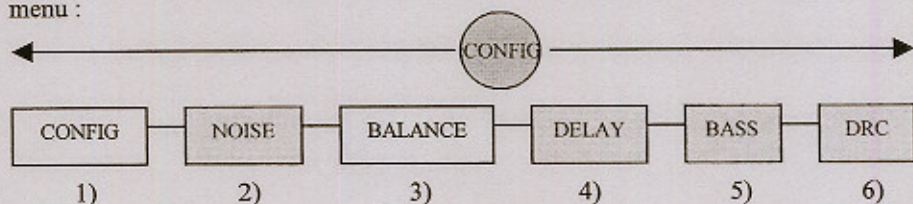
This menu transform a stereo signal into a multichannel "SURROUND" signal. (Dolby ProLogic II®).



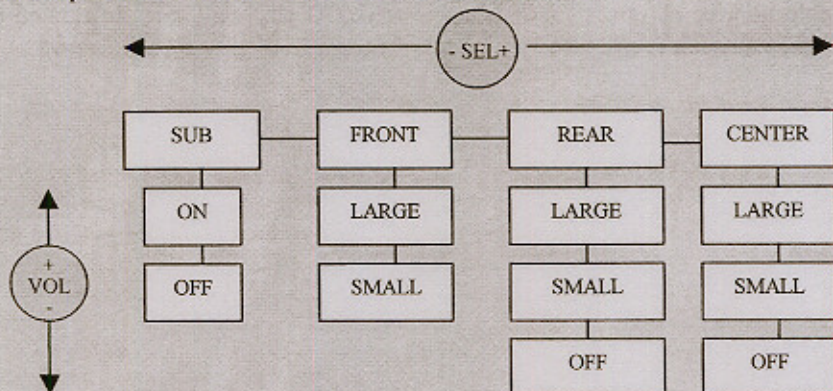
In « SURROUND » mode, « DOLBY PLII » appears on display during 2 seconds then appears "SUR" between the source and volume. It is not recommended to use this mode with a no-stereo source.

**« CONFIG. » Key (36)**

This menu configures the general settings of the preamp. You'll find these sub-menu :



1) **CONFIG.** : configuration in LARGE / SMALL / OFF of FRONT, REAR, CENTER channels and of the SUBWOOFER ON/OFF. By this menu you dispatch low frequencies to Subwoofer or to FRONT channels.



**LARGE** : all frequencies are retranscribe;

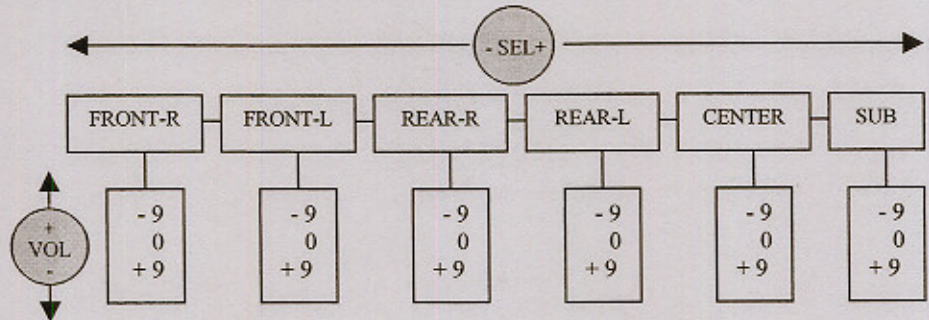
**SMALL** : low frequencies are cut off and send toward Subwoofer;

**OFF** : the channel is cut off and signal send toward Front channels.

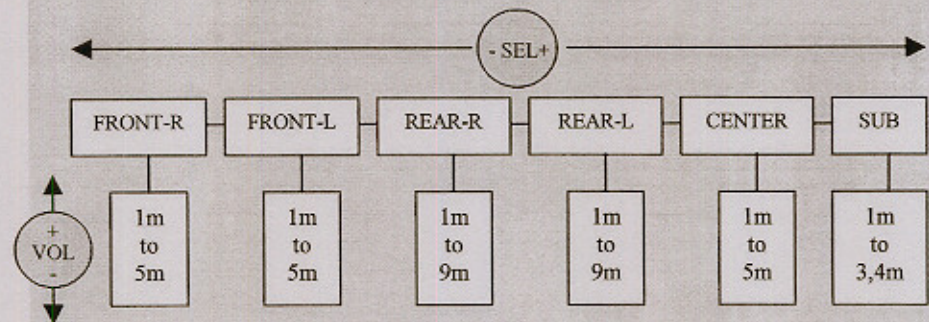
*N.B. : With a configuration SUB « OFF », FRONT channel can be only on « LARGE » mode. Redistribution of low frequencies occurs attenuation of general level. To get the best musical dynamic, configure the SUB « ON ».*

2) **NOISE** : With this menu you can emit, during 2 seconds, on each channel connected to system and not configured OFF (see "CONFIG" menu) a "White Noise" as follow: Front Left / Center / Front Right / Rear Right / Rear Left / subwoofer. This menu is available only if you are on mode "NUM" ON (43). With Noise « ON », on menu BALANCE, signal gets through the selected channel.

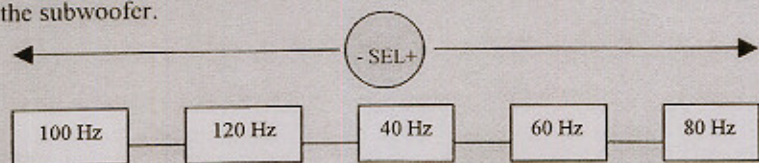
3) **BALANCE** : general balance settings as follow: Front Right, Front Left, Rear Right, Rear Left, Center and Subwoofer. Make the settings with the keys VOL- and VOL+ from +9 to -9 (approximately from +18dB to -18dB).



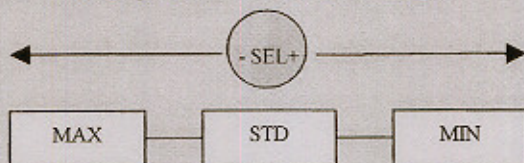
4) **DELAY** : Settings of the distance between loudspeakers and auditor. You can set-up each channel one by one with the keys VOL- et VOL+ by steps of 0,2m.



5) **BASS** : Crossover filters setups from 60Hz to 120Hz. You are able to set up high-pass filters (possible only for speakers settings in « SMALL ») and low-pass filters of the subwoofer.



6) **DRC**: (for Dynamic Range Control) This menu is available only with Dolby Digital stream. By default and to get the best and widest dynamic range, DRC is on maximum "MAX". The standard "STD" & minimum "MIN" positions reduced the dynamic range by bringing down the level of the loud sounds (explosions) and bringing up the level of quiet sounds (leaves rustling).



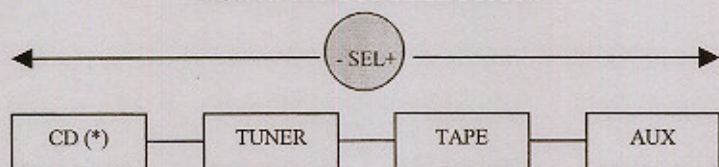
**« MUTE » Key (37)**

« MUTE » appears on display when « MUTE » key is pressed. In that case, no other functions are available. To get off the mute press « MUTE » or Stand-by (42).

**« A/V » Key (38)**

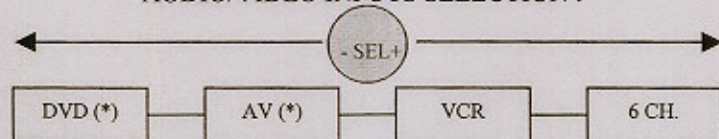
Selection of Audio Inputs or Audio/Video Inputs.

**AUDIO INPUTS SELECTION:**



(\* ) For CD Input you can choose analog or digital stream source with "NUM" key (39).

**AUDIO/VIDEO INPUTS SELECTION :**



(\* ) for DVD & AV Inputs, you can choose analog or digital stream source with "NUM" key (39).

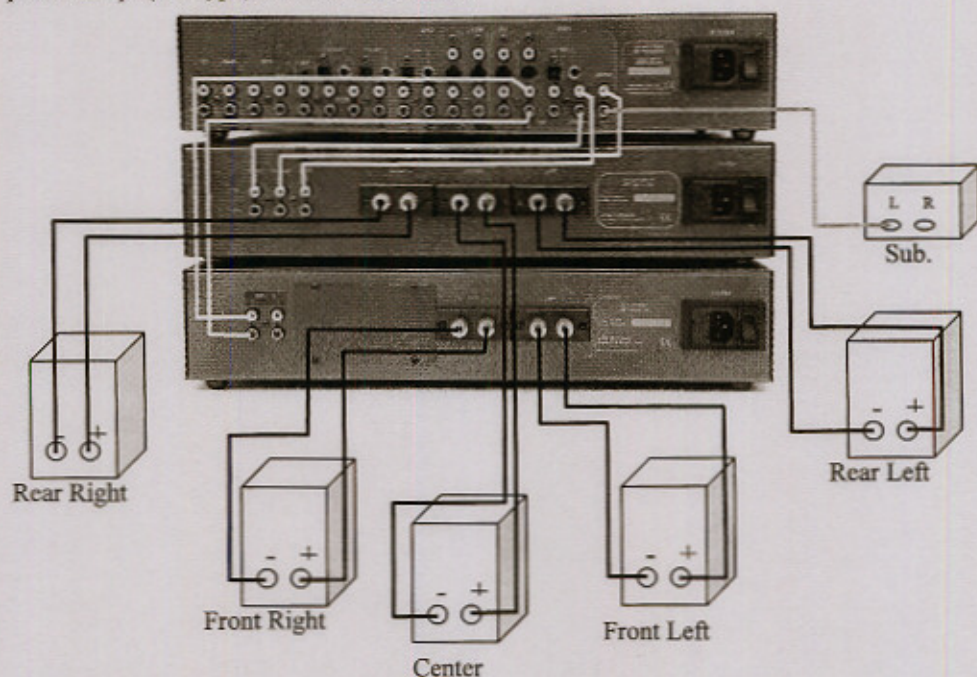
### « NUM » Key (39)

Selection of analog or digital stream source. If you choose digital stream, the preamp. detects automatically the type of stream (DOLBY D., DTS or MPEG) and write it on display during 2 seconds. The light (43) switch on. The type of stream chosen for each source is always memorised.

N.B. : Streams accepted : Dolby Digital<sup>®</sup>, DTS<sup>®</sup>, MPEG (2.0 to 5.1) and any audio streams PCM 44,1kHz (for example CD players).

### CONNECTIONS EXAMPLE :

Connections between a PR600, a power Amp. (AM type) for Front and 3 channel power Amp. (AV type) for Rear and Center.



### DEFAULT SETTINGS :

- CONFIG. : SUB « ON » - FRONT REAR and CENTER on LARGE mode
- NOISE « OFF »
- BALANCE : channels on 0
- DELAY : 3,0 m
- BASS : 100 Hz
- DRC : MAX

At each moment you can reach back default settings by pressing « CONFIG » (36), and then Stand-by (42).



#### CLEANING:

Before any cleaning, switch off your preamplifier (20). 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.

#### E.C. MARKING :

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

#### DOLBY AND DTS COPYRIGHTS. :

This product is manufactured under license from Dolby Laboratories.

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#### 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 with your invoice. The guarantee is only available for appliance which have been use correctly regarding this owner's manual.

### TECHNICAL SPECIFICATIONS

FACTS	PREAMPLIFIER / PROCESSOR
	PR 5.1
Alimentation :	175 VA
Total of capacitors :	20 000 $\mu$ F
Number of Inputs :	8 audio analog with 2 « 6 channel » 3 digital (optical and coaxial) 3 video (coaxial and S-VIDEO)
Input Impedance :	100 k $\Omega$
Sensitivity :	500 mV
Rate Signal/Noise :	100 dB
Distorsion at 1kHz :	0,005%
Frequency Response :	5Hz-200kHz
Rise Time :	1,5 $\mu$ s
Converter digital/analog :	Burr-Brown 24 bits/96 kHz
Converter analog/digital :	Burr-Brown 24 bits/96 kHz
Dimensions :	440*90*255mm
Weight :	9 Kg



## GUARANTEE

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

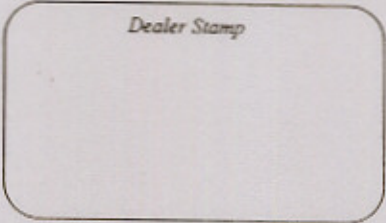
ATOLL ELECTRONIQUE®  
Bd des Merisiers  
50370 BRECEY  
FRANCE

*Date of purchase :*

*Place of purchase :*

*Buyer signature :*

*Dealer Stamp*



ATOLL ELECTRONIQUE® is a French Company who conceive, manufacture and commercialise all its products.