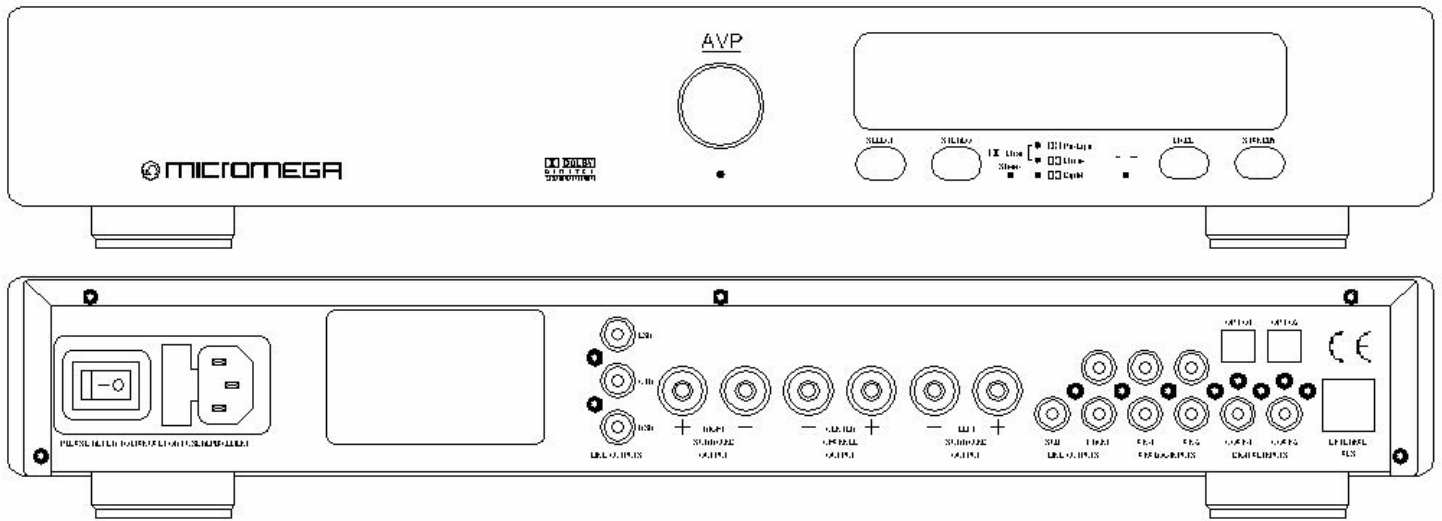




OWNER'S
MANUAL

AVP





Dear customer,
 We thank you for having chosen the AVP processor.
 This units combines a very high quality of sound reproduction to a very great ease of use. The reading of this instruction manual is not useless and will allow you to benefit the best from all the original functions of your AVP.

CHECKING

Check with attention the state of the carton box. If you have the slightest doubt about it do not hesitate to contact your retailer.

UNPACKING

Remove with the greatest care your AVP from its box. We advise you to preserve this last in a dry place. If you must turn back your unit to your retailer, it would be necessary for you to return it in its packing of origin because the guarantee applies only to this only condition.

ACCESSOIRES

When opening the box you should find the following accessories :
 AC line cord.
 RC Handset

LINE VOLTAGE

- Check that the voltage indicated on the descriptive label on the back of the unit is matching that which serves your location.
- In the contrary case please contact your approved retailer.

INSTALLATION

In order to benefit the maximum of all the advantages of your AVP, it is important to install it under good conditions.
 We advise you, as far as possible, to install the unit on the shelves of an audio rack or a piece of furniture in order to avoid any excessive heating.

!!! IMPORTANT !!!

If you choose, for a question of place or aesthetics, to pile up the units, it is imperative to place AVP at the top of the pile. Never place another unit at the top of AVP; it is advised to leave an open space of approximately 30 cm to the top of that in order to ensure a good ventilation to him.

CONNECTIONS

After having checked that the mains voltage of AVP is identical to that which serves your location, connect the power cord to the power inlet of the unit and the wall inlet. Connect the analog outputs of your Audio-Video sources to the analog inputs of AVP AN1 and AN2. These inputs decode the signals coded in Dolby Pro Logic II.

Connect the digital outputs of your Audio-Video sources to the digital inputs of AVP Coax-1, Coax-2, Opto-1, Opto-2. These inputs decode the compressed data signals. Connect the Stereo Cinch cord between the outputs FRONT L+R of AVP to the inputs of your main amplifier. If you use A60 as main amplifier, connect the Stereo cord to input AUX2/PRO of A60.

If you have an amplified sub-woofer, connect its input to the SUB output of AVP and refer to the subwoofer manual for its implementation.

If you have a centre speaker, connect to it to the speaker output labelled CENTER CHANNEL OUTPUT of AVP.

Connect the left surround speaker to the speaker output labelled LEFT SURROUND OUTPUT of AVP and right surround speaker to the speaker output labelled RIGHT SURROUND OUTPUT.

The connector marked "TO external AVS" located on the left of the digital inputs of AVP is connected to the optional Video switching unit AVS.

SWITCHING ON

After having turned your AVP ON by operating the On/Off switch located on the left power inlet at the back of the unit, the LED Standby lights up. Press on the Standby key. The display indicates then:



AVP is ready to operate.

FRONT PANEL

STAND-BY : To put the unit in and out of Standby The red LED diode located under the central button indicated the mode.

MODE : To access configuration of the unit.



The red LED indicates DTS decoding.

Pro Logic : The red LED indicates Dolby Pro Logic decoding.

Digital : The red LED indicates Dolby Digital decoding

Movie : The red LED indicates Dolby Pro Logic II decoding

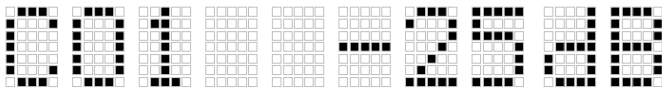
Music : The 2 LED on the right side of this logo indicate Dolby Pro Logic II Music decoding

STEREO LED : The red LED indicates that the unit is forced to STEREO.

STEREO : Allows to force the unit into Stereo mode and to access the different Dolby Pro Logic II decoding modes.

SELECT : To select between the different inputs.

DISPLAY



The display indicates :

- The selected source on the left side.
- The listening level on the right side.
- The status of the unit in certain cases (Mode...).

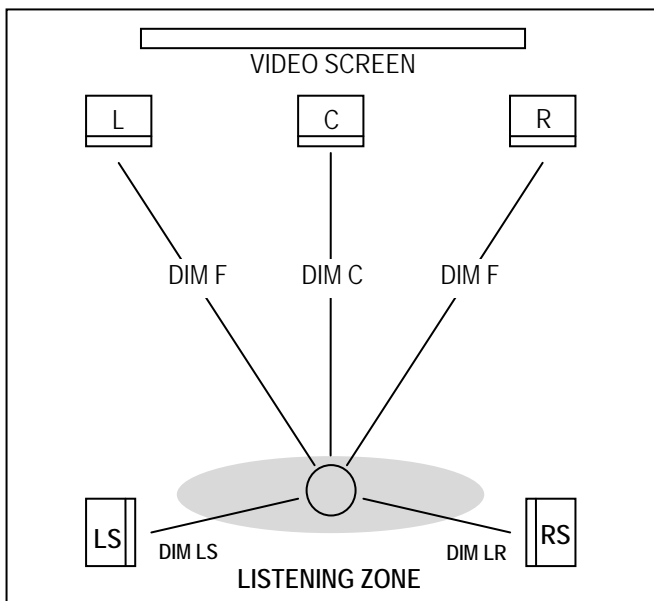
VOLUME

The adjustment of the output volume is carried out thanks to the rotary central button of the amplifier. The adjustment varies between -99dB and 0dB.

The central knob is also used to reach various adjustments and various configurations.

SYSTEM CONFIGURATION

The following diagram represents a standard listening room equipped with a Home Theatre system.



To help you to configure AVP, we carried out a small table that we ask you to fill in before beginning the configuration of AVP itself. You will be able to then pass to the configuration of the unit.

IS YOUR SYSTEM EQUIPPED WITH?

AN AMPLIFIED SUB-WOOFER

YES NO

A CENTRAL SPEAKER

YES NO

SURROUND SPEAKERS

YES NO

**IN YOUR LISTENING ROOM
WHAT THE FOLLOWING DISTANCES ?**

DIM F = _____m

example : 2.5m or 3.8m

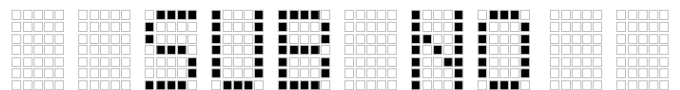
DIM C = _____m

DIM RS = _____m

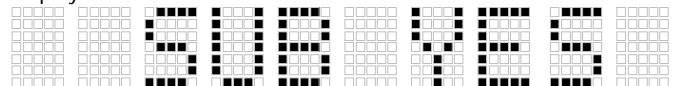
DIM LS = _____m

You should note only the distances from the speakers which you installed in your system.

You are ready to configure AVP. Press the MODE key until the display indicates:



If you have an amplified sub-woofer, turn the encoder and the display indicates then:

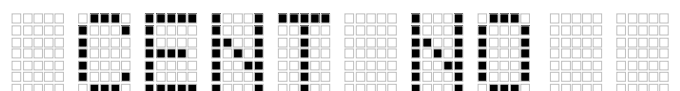


AVP took into account your sub-woofer.

Press once on the MODE key. The display indicates then:

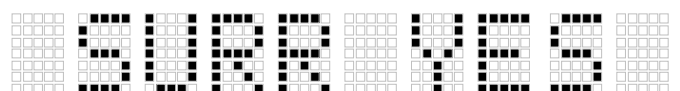


If you DO NOT HAVE a centre speaker turn the encoder and the display will indicate:



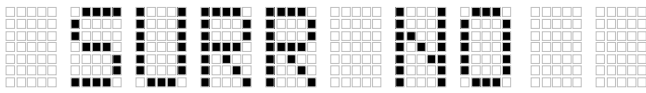
AVP is now operating in PHANTOM mode.

Press once again on the MODE key. The display indicates then:



SYSTEM CONFIGURATION (cont.)

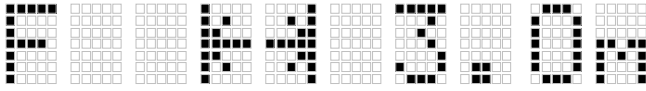
If you DO NOT HAVE surround speakers, turn the encoder and the display will indicate:



AVP operates now in 3-STEREO mode.

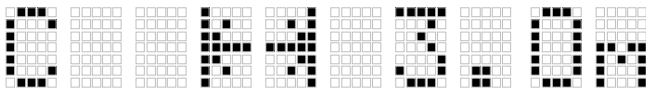
You must now indicate to AVP the distances which you measured and deferred on the table. AVP considers that the distances from the principal enclosures at your point of listening are identical.

Press once on the key MODE. The display indicates then:



By using the encoder, post the F- DIM distance which you deferred on the table of the distances.

Press again on the key MODE. The display indicates then:

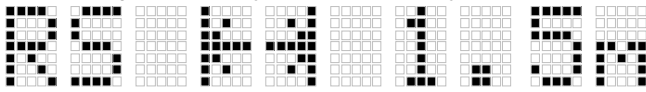


The default value X.Xm is the value of F-Dim- which you have just assigned with AVP.

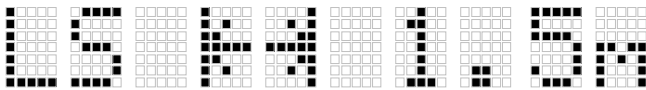
For a correct operation of your system, the centre speaker cannot in no case to be at a distance higher than that of your main speakers. In all the cases the distance F-Dim - C- Dim cannot be higher than 1.5m

By using the encoder, post the Dim-c distance which you deferred on the table of the distances.

Press again on the key MODE. The display indicates then:

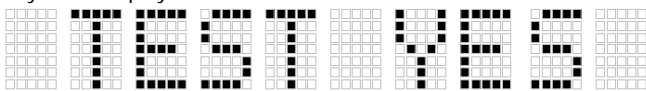


By using the encoder, post the RS-Dim distance which you deferred on the table of the distances. Press again on the MODE key. The display indicates then:



By using the encoder, post the Dim-Is distance which you deferred on the table of the distances.

In all the cases the distance (Dim-f - Dim-rs) or (Dim-f - Dim-Is) cannot be higher than 4.5m Press again on the MODE key. The display indicates then:



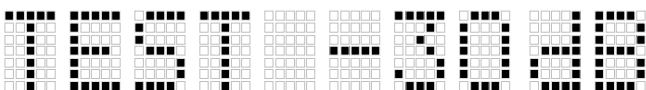
LEVEL ADJUSTMENT

AVP is equipped with a sequential noise generator which makes it possible to regulate the relative levels of each speaker with a great simplicity.

If you do not wish to enter in TEST mode, turn the encoder so that the display indicates NO and press again on the MODE key to return to the normal operating mode.

However, we highly recommend to you to pass by the Test procedure.

Press again on the key MODE. The display indicates then:



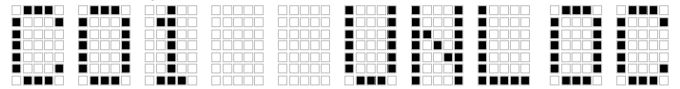
You can then adjust the level of the noise sequencer to obtain a comfortable noise level. As soon as you have reached the optimal level, a loop of 2 seconds noise per speaker will start with the front left speaker, then the central speaker, the front right speaker, the right surround speaker and finally left surround speaker. This loop will continue as a long time as you will consider it necessary to perfect an ideal balance between the various speakers. The time of 2 second was calculated in a precise way and represents the optimal time of audible perception.

We advise you to make this tuning of level of your point of listening and to use the Main keys +/- of your remote control.

You have a latitude of tuning of ± 10 dB on each speaker.

If you wish that the sequence be manual, press once on the key MODE and pass from a speaker to the other by successive pressures on the key MODE. When you estimate to have reached perfect balance, press twice on key STBY of your AVP

The display indicates then after a few seconds:



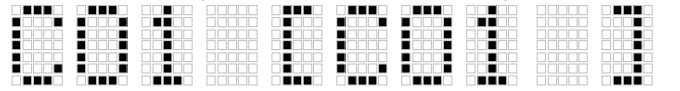
AVP is ready for a normal operation.

INPUT NAMES

In order to simplify the use of AVP we give you the possibility of assigning to each input a name starting from a list contained in the memory of AVP.

Each affected name is memorized but can be modified with your liking as many once as wish it to you.

Press on the key INPUT of AVP until the display indicates:



AVP indicates on the left part of the display the input on which you were before exerting the long pressure on the key INPUT. This name corresponds to that which is printed on the back face of the apparatus. On the right part of the display, AVP indicates between hooks the name assigned in memory. While turning the encoder, the names between hooks ravel posting all the names available for each input.

For the digital inputs the following names are available: OFF, DVD, DVD1, DV2, LD, LD1, LD2, CD, CD1, CD2. For the analog inputs the names available are: OFF, DVD, DVD1, DV2, LD, LD1, LD2, CD, CD1, CD2, TV, SAT, SAT1, SAT2, VCR, VCR1, VCR2, WITH, AUX1, AUX2, GAME.

When a name was used, it disappears automatically from the list of the names available except for the name OFF and the original name of each entry.

To assign a name at a following input, press on the key INPUT. When the selection is finished, press on the key MODE to return in normal mode.

If you OFF assign the name at an input, this input will not be present any more during the selection of the inputs either since the unit or by the means of the remote control.

If you made the following assignment: DVD with Co-1, OFF with CO2, LD with Op-1, OFF with Op-2, VCR at AN-1 and SAT at AN-2, the selection of entries will be as follows: DVD then LD, then VCR, finally SAT.

DECODING SYSTEM INDICATION

AVP detects the type of entering signal automatically and opposite indicates it by means of LED diodes on the Front panel of the unit. If you send on AVP a stereo signal, analog or digital, it will be decoded as a Dolby Pro Logic signal. You can also transform this signal into Dolby Pro Logic II while pressing on key STEREO. The various modes are:

Dolby Pro Logic, Dolby Pro Logic II Movie, Dolby Pro Logic II Music., Stereo. To pass from one mode to the other press successively on key STEREO.

ADJUSTMENTS DURING LISTENING

Although the ideal tuning is obtained with the procedure of test, it is wise to be able to reach certain tunings of level during the listening of a program.

In the course of listening, you can press on the key MODE.

The display indicates then:



By using the encoder of the apparatus or the keys MAIN +/- of the remote control, you can adjust the level of the centre speaker of ± 10 dB. Press again on the key MODE.

The display indicates then:



By using the encoder of the unit or the keys MAIN +/- of the remote control, you can adjust the level of the surround speakers ± 10 dB. Press again on the key MODE.

The display indicates then:



In the case or you do not have a sub-woofer, the display will indicate BASS instead of SUB.

By using the encoder of the unit or the keys MAIN +/- by the remote control, you can decrease the low register level of 10dB.

NOTE 1 : The values of tuning of the test procedure are regarded as values of reference.

This fact AVP will return systematically to these values each time you change input or that you will put the unit in standby mode.

IMPORTANT

In DOLBY DIGITAL mode, it is possible to set AVP without dynamic compression. This mode is called DYN DAY in opposition to the mode DYN NIGHT which allows the film listening the night. Following the small ADJUSTMENT DURING LISTENING a pressure on the key MODE and the display indicates DYN NIGHT.

By using the encoder of the unit or the keys MAIN +/- of the remote control, it is possible to set AVP on DYN DAY which increases substantially the dynamics of the signal.

DOLBY PRO LOGIC II

The Dolby Pro Logic II system creates 5 channels starting from a 2 channels source. There are two principal modes: The MOVIE mode and MUSIC mode.

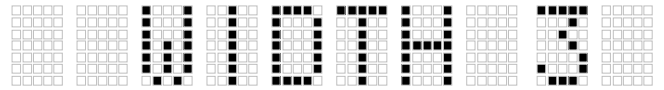
MOVIE Mode is recommended for all the Dolby Pro Logic encoded programs such as the televised programs and the programs recorded on VHS and DVD.

MUSIC Mode is mainly dedicated to the reproduction of stereo musical sources.

REGLAGES DOLBY PRO LOGIC II MUSIC

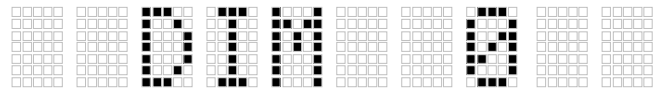
The Pro Logic II Music mode allows specific tunings to adapt this mode has your preferences.

When AVP is set as Music Pro Logic II mode, press on the key mode. Following the tunings during the listening of the levels Centre, Surround and Sub (or Low), a pressure on the key MODE and the display indicates:



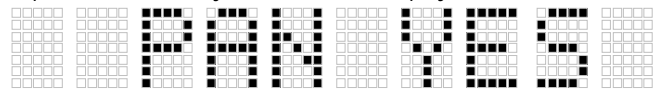
By using the encoder of the unit or the keys MAIN +/- of the remote control, it is possible to adjust WIDTH between 0 and 7. When this tuning is to 0 the totality of the signal of the center speaker is directed towards the center speaker itself. When this tuning is to 7 the signal of the center speaker is also distributed between the left and right main speakers.

An additional pressure on the key Mode and the display indicates then:



This adjustment makes it possible to position sound space forwards or backwards. The ideal adjustment is 0. While acting on the encoder or the keys MAIN +/- of the remote control, one can move sound space forwards with DIM 1, 2 or 3 or towards the back and the enclosures of effects with DIM -1, -2 and -3.

A pressure on the key MODE and the display indicates:



By using the encoder of the unit or the keys MAIN +/- of the remote control, it is possible to adjust this functionality on YES or NO the panorama effect is to be tested and use according to your personal tastes.

These three adjustments can be used together or separately and you will acquire experience in time.

CARACTERISTIQUES AUDIO

Entrées stéréo analogiques	2
Niveau d'entrée analogique maximum (RMS)	2V
Résolution A/N	20 bits
Entrées numériques coaxiales	2
Entrées numériques optiques	2
Format des entrées numériques	IEC1937
Fréquence d'échantillonnage	32 - 44.1 - 48 kHz
Résolution N/A	6 x 20bits
Sortie ligne	6
Impédance de sortie	< 600Ω
Gain Avant (L+R)	14 dB
Gain Sub	24dB
Niveau maximum de sortie ligne (RMS)	5V
Puissance voie centrale (4Ω)	60 W
Bande passante (40W / 8Ω)	20 Hz - 30 kHz
Puissance canaux Surround (4Ω)	2x60 W
Impédance de sortie	< 0.1 Ω / 1kHz
THD (20Hz-20kHz)	< 0.1 %
Réserve dynamique	> 15dB
Rapport signal / bruit (Pondéré A)	> 85 dB
Type de décodeur	DOLBY Digital Pro Logic II / DTS

Alimentation

Consommation (Max)	220 W
Fusible (5x20)	1.6A / 250V (Retardé) 3.15A / 130V (Retardé)

Dimensions : L x P x H en mm	430 x 295 x 70
Poids	6.5 kg

AUDIO CHARACTERISTICS

Stereo Analog Inputs	2
Maximum analog input level (RMS)	2V
Analog A/D resolution	20 bits
Coaxial digital inputs	2
Optical digital inputs	2
Digital input format	IEC1937
Digital input sampling frequency	32 - 44.1 - 48 kHz
D/A resolution	6 x 20bits
Line-out Audio outputs	6
Output impedance	< 600Ω
Front gain (L+R)	14 dB
Sub gain	24dB
Maximum line output level (RMS)	5V
Center channel power (4Ω)	60 W
Bandwidth (40W / 8Ω)	20 Hz - 30 kHz
Surround channels power (4Ω)	2x60 W
Output impedance	< 0.1 Ω / 1kHz
THD (20Hz-20kHz)	< 0.1 %
Power headroom	> 15dB
Signal to noise ration (A weighted)	> 85 dB
Deencoder type.....	DOLBY Digital Pro Logic II / DTS

Power supply

Power consumption (Max)	220 W
Fuse type (5x20)	1.6A / 250V (slow blow) 3.15A / 130V (slow blow)

Dimensions : W x D x H in mm	430 x 295 x 70
Weight	6.5 kg

GARANTIE

Le processeur AVP est garanti 2 ans à partir de la date d'achat.
 Si votre appareil nécessitait une intervention, vous devriez le ramener au revendeur auprès duquel vous aviez effectué votre achat, dans son emballage d'origine accompagné de la facture d'achat.
 La garantie couvre les vices de fabrication à l'exclusion de tout autre dommage tel que :

- Un accident
- Une négligence
- Une erreur de manipulation
- Une installation non conforme au présent manuel
- Une intervention effectuée par des gens inhabilités
- Les dégâts lors du transport (Les dégâts ne seront pris en compte par le transporteur qu'à condition d'avoir émis auprès de celui-ci les réserves d'usage lors de la livraison).

ATTENTION : La garantie s'annule d'office si votre appareil n'est pas expédié dans son emballage d'origine ou si le numéro de série a été effacé ou changé.

Certificat de Garantie

Warranty Certificate

Date d'Achat : Purchase Date : _____
--

Cachet du Revendeur

Dealer's Stamp

--