



MICROMEGA

OPERATING MANUAL

IA-60 - IA-100 - IA-180



Dear Customer,

Thank you for purchasing one of the 3 Micromega Integrated amplifiers: IA-60, IA-100 or IA-180. These players are mainly different by their output power. This manual is then common for the 3 models.

This unit provides ease of use and sonics of the highest quality. Please pay close attention to this instruction manual, and read it fully before attempting to operate. It is designed to ensure you maximise your pleasure of CD player and familiarise you with its many unique functions.

CHECKING

Check that the carton has no damage. Should you have any doubt about its condition, please do not hesitate to contact your dealer.

UNPACKING

Very carefully remove the unit from the box, taking care to preserve all the packing material. It is good practice to put the carton and its contents into an outer plastic bag and deposit it somewhere safe and dry. In the unlikely event that your unit needs to be sent back to either your dealer or distributor, it must be sent in the original packing material. Failure to observe this will invalidate your warranty.

ACCESSORIES

Upon opening the carton you should find the following:

- Mains Lead.

MAINS VOLTAGE

- Check that the mains voltage indicated on both the carton and the rear of the unit correspond to the local power supply
- If you are in any doubt, consult your dealer.

INSTALLATION

In order to obtain the maximum performance of A60, it is important to follow the installation instructions.

Wherever possible, we recommend that your amplifier is installed in an audio rack or other suitable furniture that provides sufficient ventilation.

WARNING!

If for aesthetic or ease of use reasons, you choose to stack the units, it is imperative that you place your amplifier on the top. Never place any unit on top of your amplifier. We recommend that you provide a space of at least 30cm above your amplifier in order to ensure adequate ventilation.

CONNECTIONS

Having verified that the mains voltage indicated on the rear of the unit corresponds to the local power supply mains voltage and that the ON/OFF switch is on OFF position, connect the mains leads provided to the rear the unit and to the wall socket.

Connect the Stereo Interconnect cables from the rear of all your sources to the corresponding inputs on your amplifier.

Connect your loudspeaker cables between your amplifier and your loudspeakers paying attention to polarity.

The very high quality speaker terminals accept different type of connections like bananas, or stripped up to 10mm² speaker wires. It is important to use quality speaker cable to get the maximum out of your amplifier.

POWER UP

You may now turn on your amplifier by switching the ON/OFF switch located at the back of the unit.

The display indicates the model of your amplifier:

IA 60

Then the standby LED lights up indicating that the unit is on standby mode.

Press on the **STANDBY** key of the unit of the unit or on the **AMP** key of the remote control handset if you have one. The unit turns on and the display shows:

AN1 -50dB

FRONT OF THE AMPLIFIER

iPOD: Analog input used for external sources

HEADPHONE: Headphone socket

ROTARY CONTROL: To control volume and setup.

< **INPUT SELECT** >: Input selection.

MONITOR: Direct access to *TAPE* or *PRO ON* mode.

MUTE: To mute the amplifier and to set the Balance.

HEADPHONE: To switch on the Headphone output and switch off the speakers. A headphone logo appears on the left side of the volume indication.

STANDBY: To switch the unit in and out of standby. A blue LED located below the central knob indicates the unit is in standby.

DISPLAY

AN1 -50dB

The display indicates:

- On the left side the selected source.
- On the right side the volume level.
- In some cases the status of the unit (Balance, Headphone...).

SELECTION (< INPUT SELECT >)

The selection of inputs is made via the < *INPUT SELECT* > keys.

- In order to select your choice of input use successive depressions of the key.

The display will indicate the name of the selected source from the following list: *PHO* – *AN1* – *AN2* – *AN3* – *AN4* – *iPod*.

VOLUME

The setup of volume is achieved with the rotary control located in the centre of the front panel. The display will indicate a level between -80dB and 0 dB.

Note: The rotary control allows access to different speeds of volume adjustment. If you turn slowly it will increment in single steps. Fast rotation increases the speed of the steps. This will allow you to move to the desired volume with great ease.

LISTENING TO HEADPHONES (HEADPHONE)

The headphone socket is located on the front panel of the unit. The headphone volume setting is independent of the loudspeaker volume.

- Press the HEADPHONE key.

The display will indicate:

AN1 [] [] [] [] [] [] [] [] -05-

Note: When headphones are in use, the loudspeaker output is automatically disconnected.

- Headphone volume can be adjusted via the central rotary control.

- Press the HEADPHONE key to return to loudspeaker operation.

The headphone logo disappears and the unit returns to its previous setup including volume level.

MONITOR

This function allows full record monitoring when combined with a three head recording device. It also allows insertion of another unit in the listening loop (equalizer...)

- Press the MON/PRO key.

- The amplifier is now in monitor mode and the source is *TAPE*

- Press once again the MON/PRO key to return to normal operation.

PRO ON (MONITOR)

The *PRO ON* mode allows to use the power amplifier section of your amplifier in combination with an external multi-channel Audio processor like AP-180. A specific input (*PRO IN*) is dedicated to this mode. A long pressure (2 seconds) on the MON/PRO key and the display will indicate:

[] [] [] [] [] [] [] [] PRO ON ?

It is necessary to confirm your choice by a second depression on the MON/PRO key. The question mark disappears.

Press once again the MON/PRO key to return to normal operation.

If you go to standby mode (Pressure on the **STANDBY** key) or if a power failure happens while your unit was set in *PRO ON* mode, the unit will revert automatically into *PRO ON* mode when going out of standby or when power comes back again.

MUTING (MUTE)

- Press this key when you want to put the amplifier into *MUTE* mode. The display will indicate:

AN1 [] [] [] [] MUTE

- Press again **MUTE** to resume listening

BALANCE (MUTE)

- Press the **MUTE** key for a period of 2 seconds.

The display will indicate:

BALANCE 00 00 00

- Set the desired balance using the central rotary control.

- If you turn clockwise, the display will show R1, R2...R6 indicating that the right speaker level will be increased by 1, 2...6 dB.

- If you turn counter clockwise, the display will show L1, L2...L6 indicating that the left speaker level will be increased by 1, 2...6 dB.

- Press again on the **MUTE** key to exit balance setup.

If you had offset the balance, the display will indicate it by inserting a balance logo :

AN1 [] [] [] [] -50dB

PRE-OUT OUTPUTS

Your amplifier is fitted with PRE-OUT outputs to allow you to use an external power amplifier.

2.1 MODE

Your amplifier is equipped with a SUB-OUT output. You can connect an active subwoofer to this output. The level of this output is set by the main volume control of the unit.

If you have an audio-video processor like AP-180, a SUB-IN input is available just above the SUB-OUT connector.

Connect the SUB-OUT of your audio-video processor to the SUB-IN of your amplifier. When in Stereo mode your amplifier will control the level of your active subwoofer while when in PRO-ON mode the audio-video processor will take control over your active subwoofer.

This unique feature allows a complete different subwoofer set-up between stereo mode and home cinema mode.

ANALOG INPUTS NAMES

The four analog inputs AN1, AN2, AN3, et AN4 can be renamed using the internal name library of the microcontroller of your amplifier.

The following names are available: OFF, CD, FM, DVD, TV, SAT, VCR, AUX, AV1, AV2, MP3, SPE, PVR and GAME.

To replace the name of a source, place your amplifier on this source and make a long pressure on the second key **INPUT SELECT** >. The display shows then:

AN1 [] [] [] [] AN2 [] [] [] []

Using the central rotary knob the name between the brackets will scroll through the list of available names until you find the one you are looking for.

If you wish to change another input name press again on the **INPUT SELECT** > key and proceed in the same way. Once your choice is done wait 5 seconds and your amplifier will revert to normal operation. During the change of name, listening continues normally without any interruption.

REMOVING AN INPUT [OFF]

While you are setting the names on the four analog inputs, the name **[OFF]** appears in the list of available names. If you choose to name one or more inputs with this name, the selected inputs will be removed from the listening loop.

Example: You have three sources, a vinyl turntable connected to PHONO input, a CD player that you have connected to AN2 named CD and a FM tuner connected to AN4 named FM.

If you scroll through the inputs, your amplifier will indicate: **PHO, AN1, CD, AN3, FM, iPod.**

If you wish that AN1 and AN3 do not appear when selecting the different inputs, you should assign them with the name **[OFF]**. Your amplifier will then indicate: **PHO, CD, FM, iPod.**

SPECIAL NAMES (CD, FM)

In the list of available names, two names CD and FM are different than the other ones.

If an analog input has been named CD, a short pressure on the CD key of the Micromega system remote control handset will set your Micromega CD player out of standby if it was, set also your amplifier out of standby if it was and set your amplifier automatically on the CD input.

It is exactly the same with any input named FM and the FM key of the Micromega system remote control handset.

IDOK INPUT

Your amplifier is equipped with a DB9 female connector located at the left end side of the rear panel. This connector is used to attach it a Micromega iDok.

This optional unit allows you to charge your iPod or your iPhone and to control them using the Micromega system remote control handset.

On another end, as soon as your amplifier will have detected the presence of an iPod or an iPhone, it will automatically select the iDok analog input and the front panel iPod input will be disconnected.

CONTROL VIA RS-232 INTERFACE

Your amplifier is equipped with a DB9 female connector to control it via RS232 interface.

It accepts the following format:

Baud Rate	: 19200 Bauds
Data bits	: 8
Parity bit	: None
Stop bits	: 1
Flow control	: None

You will find complete instructions concerning this interface in the separate RS232 manual.

Audio Characteristics

Power (IA-60 / 4Ω)	2 x 60 W
Power (IA-100 / 4Ω)	2 x 100 W
Power (IA-180 / 4Ω)	2 x 180 W
Output Impedance	0.02 Ω / 1 kHz
Power Bandwidth (30 W / 4Ω / -3dB).....	10 Hz - 100kHz
Input Sensitivity / Impedance :	
AN1, AN2, AN3, AN4, iPod.....	280 mV / 47 kΩ
PHONO	18 mV / 47 kΩ
Impedance / Gain Tape Output	600 Ω / -6dB
Distortion THD (20 Hz / 20 kHz)	< 0.02 %
Signal to Noise Ratio	> 90 dB

Power Supply

Power consumption (IA60).....	150 W
Power consumption (IA100).....	220 W
Power consumption (IA180).....	320 W

Dimensions : (W x D x H mm)	430 x 300 x 70
Weight (IA60).....	7.0 kg
(IA100).....	8.0 kg
(IA180).....	8.0 kg

WARRANTY

This warranty will start from the date of purchase of the Micromega product.
 Statutory warranty regulations apply in the country where the Micromega product was purchased. In case of complaints please contact the dealer who supplied your Micromega product.

WARNING: Warranty will be nullified if the unit is not shipped back in its original packing or if the serial number has been modified or erased.

Warranty Certificate

Dealer's Stamp

Date of Purchase _____

Serial Number _____