

...owner's manual

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DAC

Thank you for purchasing a MICROMEGA DAC. You are now the owner of one of the most advanced digital to analogue converters ever produced.

Dear Customer,

Thank you for purchasing a MICROMEGA digital product. You now possess a product of great evolution. The application of advanced technology and thinking will give much pleasure as you sit and enjoy your purchase. Please pay close attention to this instruction manual, and read it fully before attempting to operate DAC. It is designed to ensure that you maximise your pleasure of DAC and familiarise you with its many unique functions.

UNPACKING

Check that the carton has no damage. Should you have any doubt about its condition, please do not hesitate to contact your dealer. Upon opening the carton, you should find the following accessories: Mains lead, Mono Phono/Phono digital interconnect cable, stereo Phono/Phono digital interconnect cable.

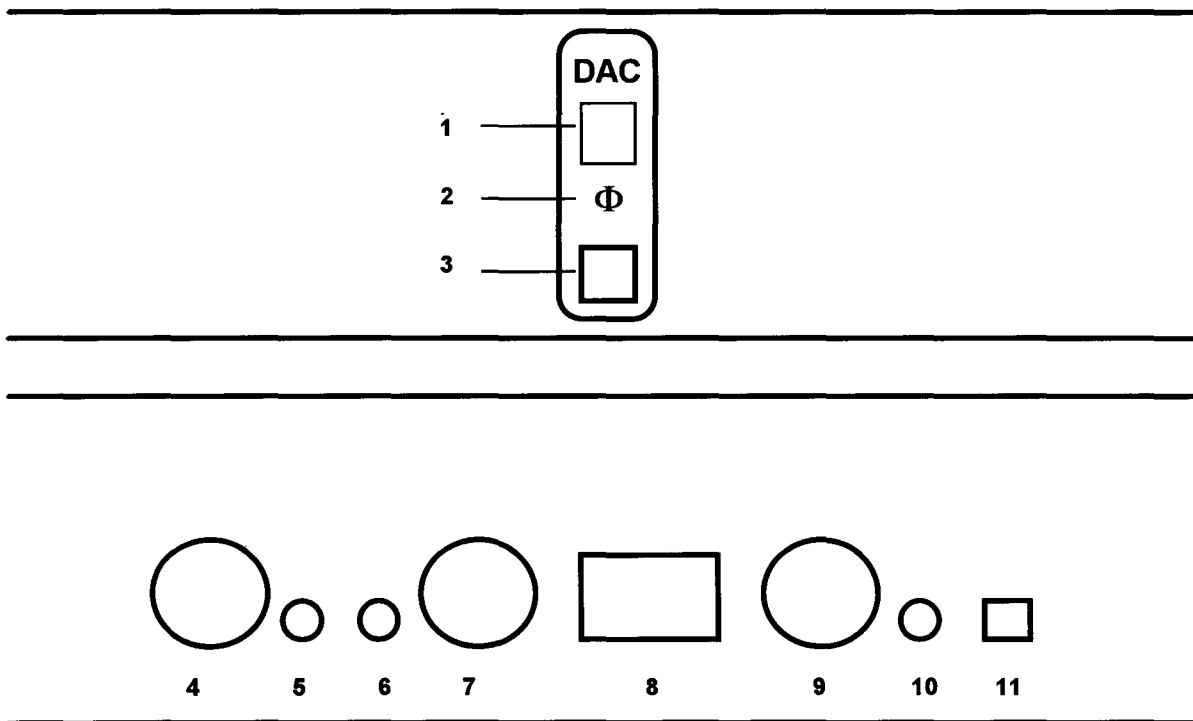
Very carefully remove the unit from the box, taking care to preserve all the packing material. It is good practice to put the carton and its contents into an outer plastic bag and deposit it somewhere safe and dry. In the unlikely event that your unit needs to be sent back to either your dealer or distributor,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

INSTRUCTIONS FOR USE

Check that the mains voltage as stated on the rear of DAC corresponds to your local power supply. If in doubt, please consult your dealer. To connect your DAC to an amplifier, insert stereo phono cables between the output sockets (fig.5 & 6) at the rear of the unit, and the line level input sockets on your amplifier. (N.B. Be sure to select a LINE level or CD input on your amplifier, NOT the PHONO or RIAA record player input). If you possess DRIVE, insert the digital (mono) coaxial cable provided into the digital output of DRIVE and into the coaxial digital input on your DAC (fig.10). Alternative sockets are provided for both optical (fig.11) and AES/EBU (fig.9) digital connections. Both your Micromega DRIVE and DAC are equipped with the AES/EBU format. This is preferred for optimum performance. (An ATT option is available as a cost option which replaces the standard TOSLINK optical system. Please contact your retailer for details).

Plug the mains lead into the rear of your DAC's IEC socket (fig.8). Insert the mains plug into the wall socket. Switch on at the socket. Power the unit up by pressing the front panel function key. The unit will light up, displaying the legend DAC in the display window.

FRONT AND REAR PANEL DESCRIPTION



FUNCTIONS

The front panel button (fig.3) has many functions.

Successive depressions of this key allow for the selection of the chosen digital input. The display window (fig.1) indicates which input has been selected : A for AES/EBU, O for Optical, C for Coaxial

The letter indicates the input selected, NOT the input that is connected. Remember that these inputs can all be connected to separate source components.

The letter will flash if a digital signal is not being received. No flashing indicates that the signal has been successfully locked.

A one second single depression of this key on a locked input will invert the digital phase of the signal, and the phase logo Φ will appear (fig.2). Another one second depression will return the unit to its normal phase condition.

OTHER FUNCTIONS

DAC is equipped with three digital inputs and will accept a digital signal from a variety of sources including CD, DAT, DCC and SAT on any of the three commercial digital sampling frequencies. Each input utilises a different connection type: AES/EBU, Coaxial and Toslink Optical. The AES/EBU system will provide the greatest performance potential when connected to a source with this facility. Contact your retailer for recommendation and supply of a suitable digital cable for this purpose.

Should you be unable to utilise the AES/EBU format, we recommend that you try both the Coaxial and Toslink systems and use that which you prefer. (We believe that you will prefer Coaxial!). Remember that performance increases are possible with close attention to ALL cables in your system, so examine with an open mind.

Like STAGE and DRIVE players, DAC is equipped with an auto Standby system. You will have noticed that your player is not equipped with an on/off switch. There is no need. As soon as you connect DAC to the mains supply, it automatically moves into a stand-by mode.

Pressing the function button (fig.3) will place DAC in full operational mode. After 15 seconds, the display will automatically switch itself off, leaving a single bar (-) to indicate that the unit is powered. Subsequent depression of the function button will reactivate the display.

As long as is receiving a digital signal, it will remain on. Should the signal be removed, either by disconnection or by switching off the source, DAC will wait for one minute before automatically moving into standby mode it will reactivate as soon as a signal is again received. If you are using DAC with either a STAGE or DRIVE Cd transport, these players will also be equipped with their own auto stand-by system. When the transport device switches itself off, the DAC will automatically do the same after a one minute delay. Playing a disc or operating the transport from any function will automatically switch on both units once more.

TECHNICAL CHARACTERISTICS

Digital Input Coaxial	75 Ohms / 0,5V p-p
Digital Input Optical	-15, -23dBm
Digital Input AES/EBU	110 Ohms / 4 - 8V p-p
Single ended Outputs	2 V rms
Balanced XLR Outputs	+6 dB
Digital to analogue conversion	Bitstream differential mode
Sampling frequency	32, 44.1, 48 KHz
Frequency response	2Hz - 20KHz \pm 0.01dB
Phase shift from 20Hz to 20KHz	< 1°
Harmonic distortion from 20Hz to 20KHz	< 0,01% à 0dB
Dynamic range	> 96dB
Mains voltage	As indicated on unit
Power consumption	15 W
Dimensions: W x d x h in mm w/feet	430 x 280 x 88
Weight	4,4 Kg

WARRANTY

MICROMEGA S.A. warrant the product contained herein to be guaranteed against manufacturing faults and defects for a period of one year.

For warranty work the unit must be returned to the vendor in its full and original packing and with a copy of the purchase receipt.

The warranty will be invalid should the unit be:

- Damaged by accident
- Damaged by negligence
- Damaged by mis-use
- Damaged by mis-installation
- Damaged by tampering by a non-appointed agent
- Damaged in transit

You should contact your vendor in your country of purchase with regards to specific local warranty details. This is an addition to, and does not affect your statutory rights.

MODEL : DAC

Serial N° :