



MAC32

Neodymium

MK2

GB USER'S MANUAL

COMPACT ACTIVE SPEAKER

250 W RMS MOSFET POWER AMPLIFIER

AUDIO PROCESSOR

ELECTRONIC LIMITER

DIGITAL VOICE RESEARCH

CODEM MUSIC S.r.l. - Via G.Pierini, 13 - 61100 PESARO - ITALY
Tel. +39 0721 204357 - Fax +39 0721 203554
<http://www.codemmusic.com> - E-mail: info@codemmusic.com

DESCRIPTION

The **MAC 32** is a very compact and innovative two-way active speaker that can ensure an absolute sound quality in any use conditions.

The **MAC 32** incorporates a powerful and reliable **250 Wrms** power amplifier with **MOS-FET** technology designed for making a dynamic and clear sound, along with a music quality without equal.

The dynamics of trasducers is maximized by the **AUDIO SIGNAL PROCESSOR** and the **ELECTRONIC LIMITER** and it at the same time protected from signal peaks and distorsion wich could compromise its lenght.

Thanks to the trasducers quality, the high technological content of its incorporated power amplifier, the **MAC 32** meet the strict demand of PA system and professional monitoring for any musical instrument or genre.

The particular construction of its back part, with two 45° sides allow the **MAC 32** to be used as a monitor.

USE OF BALANCED INPUTS

MAC3 inputs are **BALANCED** type, 3 poles XLR CANNON and JACK stereo. Balanced connection is studied to have a better rejection against the noise that wires (if very long) takes from external interferences.

Most of professional audio equipment have balanced outputs, you can use however non balanced connection with mono JACK (or 3 poles CANNON with **pin 3 connected to pin 1**) the MAC3 will work normally, but it will be more sensitive to external interferences.

The JACK and CANNON inputs are connected together (parallel / link).

You can use each one like an input or an output signal for other speaker systems.

USE OF INPUTS LEVEL

Volume knob adjust the input level of the two inputs.

Normally is preferred to take the knob on the 0 dB level, if you want a higher sensibility you can take the knob to MAX.

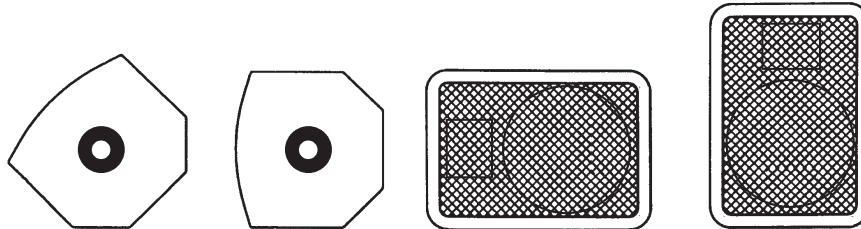
Electronic internal limiter will always control input level to have a safe operation of the trasducers.

USEFUL TIPS

Thanks to its characteristics you can use MAC 32 for monitoring and sound diffusion or like sound system for piano-bar and live music.

MAC 32 has been build for vertical, horizontal and 45° installation (like a monitor).

On the bottom of the cabinet there is the adapter for speaker stand.



DESCRIPTION OF REAR PANEL

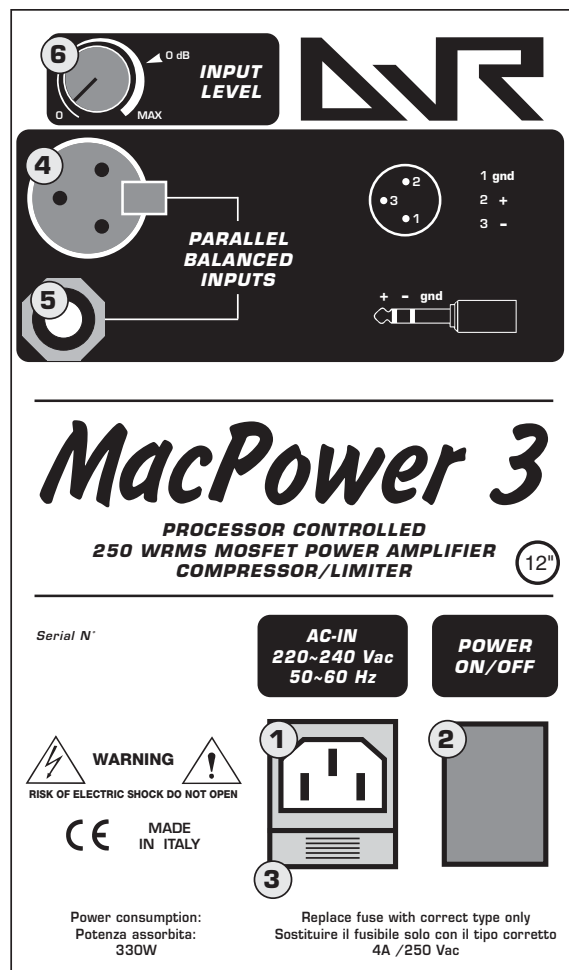
- 1) Power supply 220/240 Vac 50/60 Hz
- 2) Power switch with lamp (0-1)
- 3) Protection fuse
- 4) Balanced line input - 3 poles XLR cannon
- 5) Balanced line input - stereo jack
- 6) Input level adjutment

NOTE:

The two inputs are parallel connected together, you can use one for input and the other like an output for other speaker systems.

In case of internal amplifier over-heating, the heat-protection turn off the MAC32, when the temperature return to normal level, automatically the protection turn on again the system.

Input level higher than +10 dB can damage the speaker system.



TECHNICAL SPECIFICATION

Type	Bass - reflex / 2 way
Low frequency section	320 mm (12") high efficiency Neodymium
High frequency section	1" horn loaded compression driver
Sensitivity 1W/1m	102 dB
Angle of coverage	90° x 60° (horn directivity)
Frequency response	43 - 20.000 Hz
Crossover	12dB/oct.
Cabinet	High density wood covered with moquette
Dimensions	Cm 53.5 x 36.5 x 37,5 (A - L - P)
Weight	Kg. 20

TECHNICAL SPECIFICATION AMPLIFIER *MacPower 3* 12"

Type	AB class mosfet with audio signal processor
Output power	250 W R.M.S. / 4 Ohm
THD	< 0,1 % a 1 KHz
Frequency response	20 - 50.000 Hz
Balanced inputs	XLRF + stereo Jack in parallel
Input sensitivity	0 dB / -7 dB max
Input impedance	10 KOhm
Protections	Electronic limiter on the input signal (max +10 db) Protection fuse on power supply (1 x 4AF) Double protection fuse on power amplifier (2 x 8AF) Self-resetting thermal fuse on transformer and power amplifier

