

Micro® Loudspeaker



The **MICRO** loudspeakers represent the maximum expression of line array technology in so reduced a size.

They are the result of an extensive search on components and careful mechanical design, in order to create a fully integrated system, eclectic and flexible.

The MICRO line is composed by 3 models, all with identical technology but several length extensions, each of them available in aluminium, finished in different colours oxidation or powder coated in RAL standards, and in marine natural or coated wood.

A transparent plexiglas version is also available for special applications. Within the MICRO system all cabinets can be mechanically coupled in a very adaptable way, to organise even curved sound lines, whichever their dimensions, always with utmost sound quality and remarkable loaded power.

Impedances are standard and inversely proportional to physical dimensions. That allows the perfect match with power amplifiers and therefore the whole system optimization.

The aluminium version weathers the most severe conditions, hence is suitable for marine environment installations maintaining the same utmost sound quality. As NANO, MINI and MAXI, even the MICRO line is compatible with the NMM-SUB subwoofer, which extends the response to 50 Hz.

All these speakers can be driven by Powersoft® "X" or "Ottocanali DSP" series, with dedicated presets. Thanks to implementation of FIR filters the loudspeakers shows a flat phase response on its entire band, bass frequencies included; this performance simplifies matching with different loudspeakers.

Specifications	Micro 3.4.32	Micro 3.8.16	Micro 3.16.8
Frequency response ± 3 db	120 ÷ 16.000 Hz	120 ÷ 16.000 Hz	120 ÷ 16.000 Hz
Efficiency (1W/mt)	97 db	100 db	103 db*
Program power	160 W	320 W	640 W
SPL max (1 mt)	119 db	125 db	131 db
Impedance	32 Ω	16 Ω	8 Ω
Coverage	100°H x 20°V	100°H x 10°V	100°H x 5°V
Drivers	4 x Full range 3'	8 x Full range 3'	16 x Full range 3'
Connections	2 x SpeakON® 4 poli	2 x SpeakON® 4 poli	2 x SpeakON® 4 poli
Dimensions (cm)	9L x 33,6H x 12P	9L x 66,4H x 12P	9L x 132H x 12P
Weight (Kg)	1,8	3,5	7

*Efficiency measured at 4 mt and transferred to 1 mt.

Copyright N°DEP635019618766688750

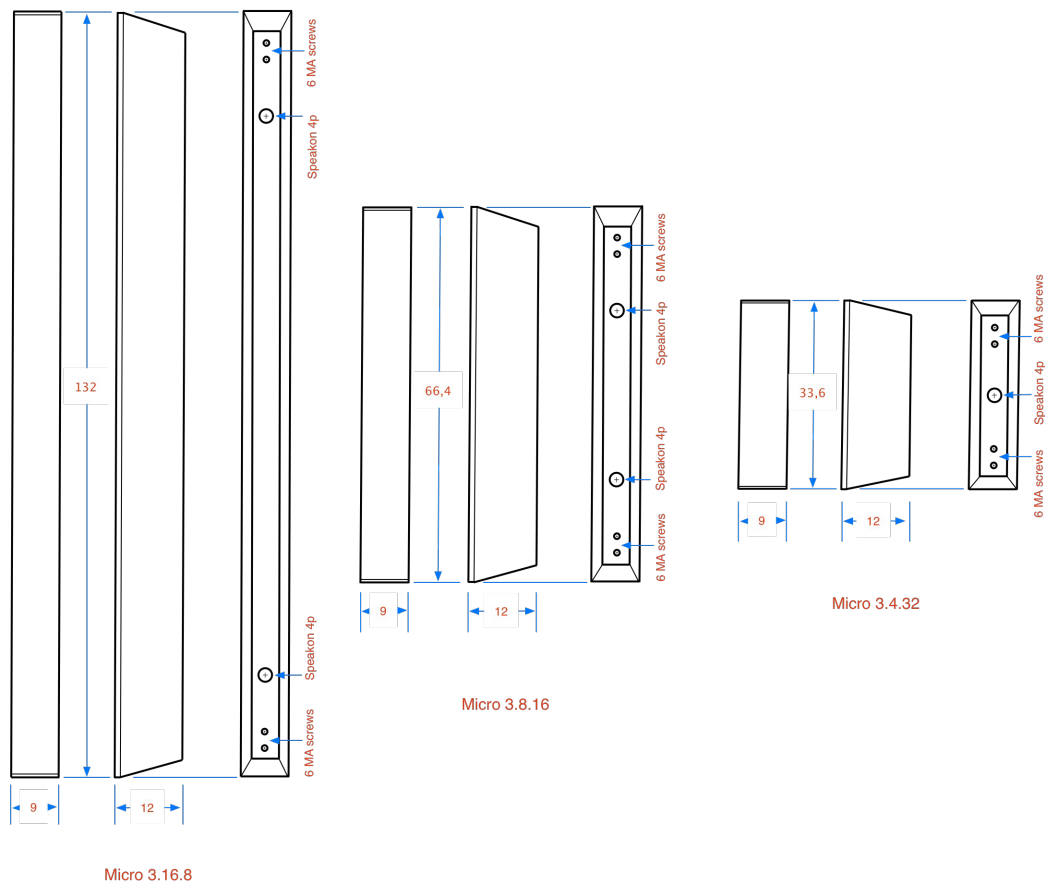
Sonus Audio Services srl reserves the right to make modifications without prior notice.

Thanks to mechanical accessories the cabinets can be installed in any configuration, even coupling them both in width (you can even arrange them to form a fan up to 180° or a ring of 360°) and in length, which has no virtual limits.

Increasing impedances linked to decreasing sizes make so that, with a higher number of speakers, the power required to amplifiers increases too and viceversa. A 1500W/4 Ohm (stereo) power amplifier will easily drive 16 x MICRO 3.4.32 or 8 x MICRO 3.8.16, or 4 x MICRO 3.16.8 (the first digit represents the speaker components diametre, the second their number and the third the impedance).

A 4 wires "bridged" cable allows to choose whether to connect the loudspeaker on 1-1 or 2-2 wiring couple of SpeakON®. That enables you to couple two amplifier channels to the same 4 poles cable. An eight channels power amplifier which can supply about 1500W on 4 Ohms will drive a speaker MICRO line up to 26 mt long, for a total of 12 KW. On a Powersoft® "X" or "Ottocanali DSP" platform presets for all the loudspeakers are available.

Each NM SUB subwoofer is able to match with two MICRO 3.8.16, maintaining the same SPL capacity (131db), or with four of them with a SPL response of - 6db from 50 to 120 Hz. Data



Accessories	Description
Bump UP+locking pin	Bump to hang Micro vertically up to 24 cabinets. 2 steel locking pins included. Black anodized aluminium.
Barra+locking pins	Bar to connect cabinets by Skeletro 4 steel locking pins included. Black anodized aluminium.
Skeletro	Supporting element (one for each cabinet needed- 24 max). Black anodized aluminium. 4x6MA screws included.
Slider+hand knobs	Double, slider bar to connect cabinets horizontally. 4 hand knobs included. Black anodized aluminium.
Acmo	Accessory to mount Micro horizontally on truss or pipe. Adjustable tilt. Aliscaf hook needed.
Bump down	Accessory to mount Micro on stand or vertical pipe (dia 35mm). Black iron painted.
Jonc	Ground aesthetical stand to vertical mount 2 Micro.
Bridge or cross cable	Cable to parallel connect 2 loudspeakers, 56 cm.
4 Poles Speakon cable 15mt	Double line cable, 15mt
4 Poles Speakon cable 25mt	Double line cable, 25mt