

# Precision coverage vertical active array

## MAIN APPLICATIONS

Permanent installations in:

- Theatres, Concert Halls, Clubs, Places of Worship, Conference Rooms, Indoor Sports, Arenas & Stadiums
- Sound reinforcement for live events:
- Touring, Bands, Orchestras



## MAIN FEATURES

- Compact 2-way line array system in bass reflex
- 2 x 10" woofers with 2.5" coil
- 2 x custom B&C HF compression drivers with 1" throats
- Frequency response from 55Hz - 20kHz @-6dB
- Class D amplifiers, 800W RMS LF, 400W RMS HF with switching power supply
- DANTE audio streaming on board
- Network interface TCP/IP - AES70 compatible
- OLED DISPLAY and encoder with PUSH for easy onboard control
- Ethercon RJ45 input and output for daisy-chain
- Remote control by INFINITO System Management Suite
- High SPL capability: 136dB
- Integrated rigging hardware
- Birch plywood cabinet
- Front led identification Hi-power led
- Completely Manufactured in Italy

## DESCRIPTION

An innovative line array system with refined, technologically-advanced engineering.. The modularity from 2 to 16 speakers allows use in a wide variety of situations.

It has two custom 250mm woofers with 64mm high excursion voice coil and two custom B&C drivers with 25mm throat and 44mm voice coil. The 90° dispersion waveguide, is designed to present an optimal load to the driver's membrane starting from 800Hz and allows the propagation of a flat acoustic wave up to over 18Khz, strictly respecting the most stringent physical criteria for an ideal cylindrical source. The acoustic configuration with the central horn allows for a symmetrical horizontal dispersion.

The cabinet is made of 15mm birch plywood with two die-cast aluminium handles.

The hardware integrated in the cabinet allows the suspension of 16 boxes with a 10:1 safety factor and an inclination from 0° to 10° at a step of 1°. The design of the no-compromise mechanics in terms of practicality and speed of set-up of the system makes it particularly suitable for daily touring movements.

The summit of the entire project is the 800+400W RMS amplification module with TCP/IP network interface. Based on the OCA ALLIANCE AES70 standard, it communicates with the 'INFINITO system management suite' remote control software and receives 24-bit 48-96Khz digital audio streaming from all devices compatible with the 'DANTE' standard. The module is housed in an aluminum chassis with intelligent forced ventilation and is equipped with an OLED display with encoder for parameter setting. A high-brightness blue front LED allows remote identification of the device also in daylight.

## TECHNICAL SPECIFICATIONS

GENERAL		MUSE 210LND / 210LN
Configuration	way	active 2-way reflex line array module
Low frequency woofer	inch	2 x 10" / 2,5" coil
High frequency driver	inch	2 x 1" / 1,7" coil

### ACOUSTICAL SPEC.

Frequency response	(@ -6dB)	55Hz - 20kHz
SPL max. (cont / peak)	dB	129 / 136
Dispersion	H x V	90° x 10° (dependant upon n. of elements)

### AMPLIFIER

Built in amplifier LF / HF	W	800 / 400
Built in amplifier peak LF / HF	W	1600 / 800
Input impedance	kOhm	22

### INPUTS / OUTPUTS

Power supply connectors		PowerCon IN/OUT
Input connectors		XLR IN / OUT
Input / output NET		NET IN / NET OUT (EtherCon)

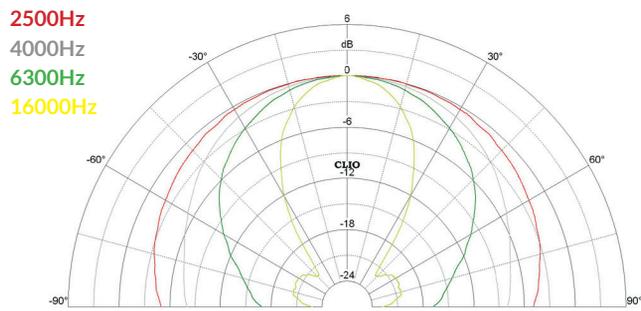
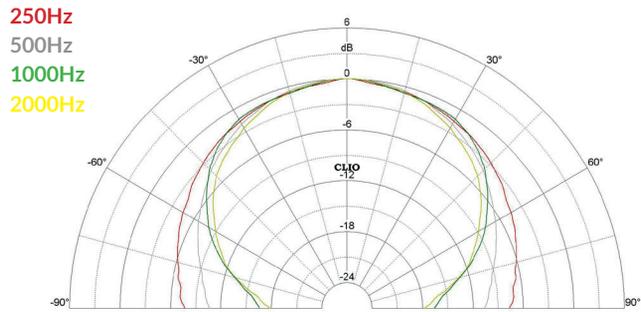
### POWER SUPPLY SPEC.

AC power consumption	W	600
Power cord	ft	16,4

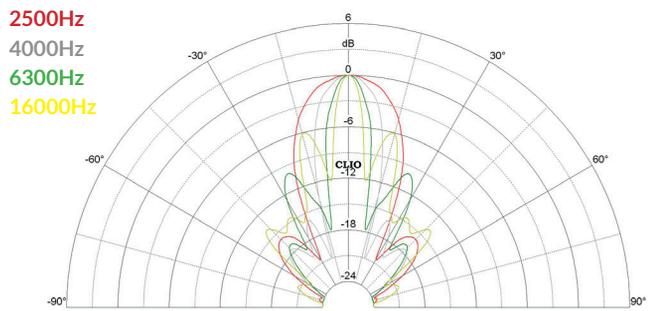
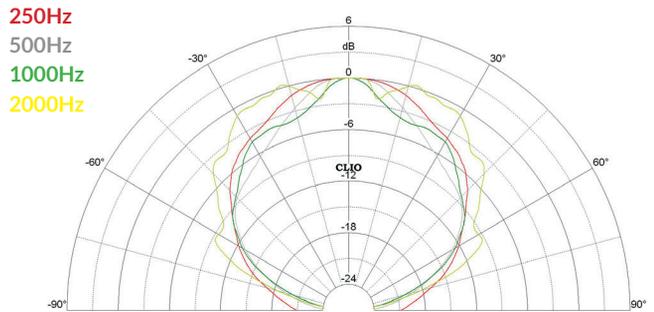
### MECHANICAL SPEC.

Material		wooden cabinet - blackpolyurea finish
Handles		Integrated (1 x side)
Net size (WxHxD)	inch	25,66 x 11,65 x 16,73
Transport dimensions (WxHxD)	inch	31,10 x 14,765 x 20,47
Net weight	Lbs	83,77
Shipping weight	Lbs	90,38

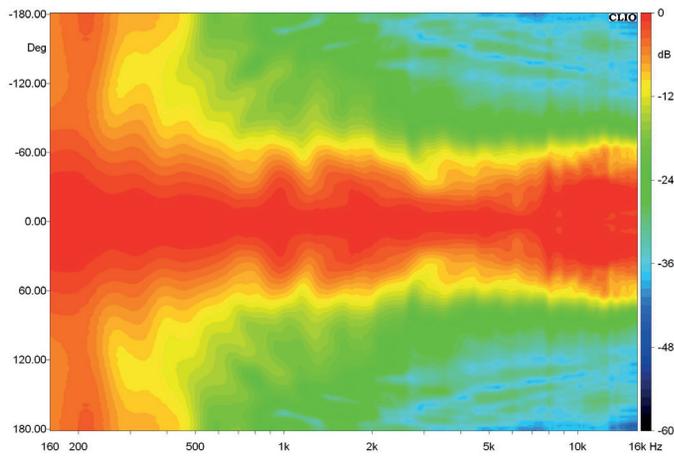
## HORIZONTAL POLAR DIAGRAMS



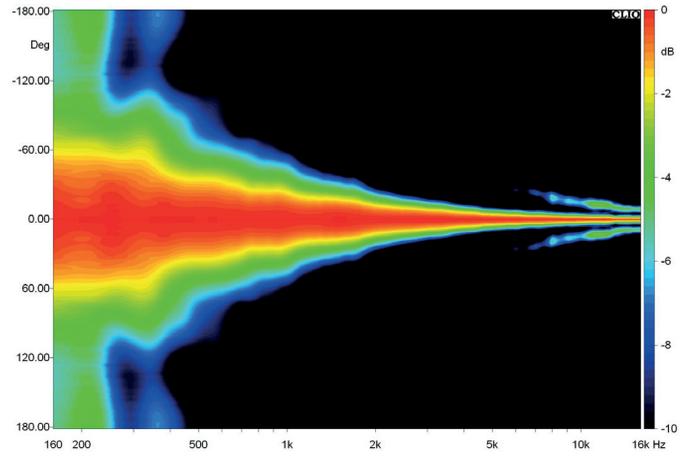
## VERTICAL POLAR DIAGRAMS



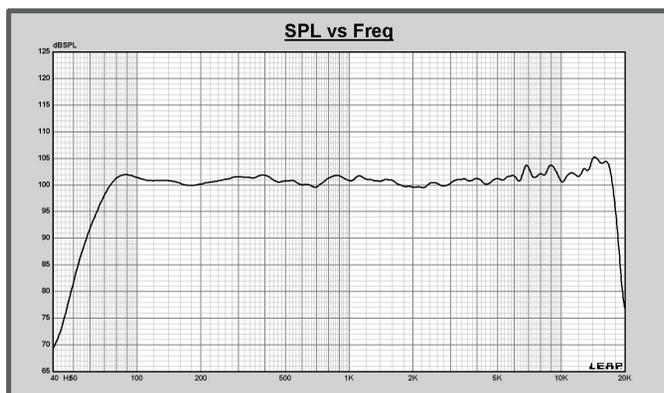
## HORIZONTAL BEAMWIDTHTH



## VERTICAL BEAMWIDTHTH



## FREQUENCY RESPONSE



## INFINITO

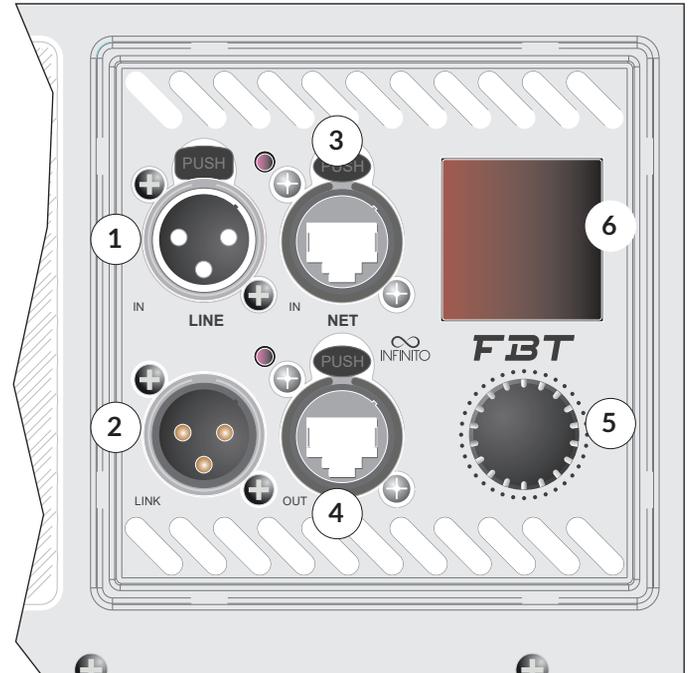
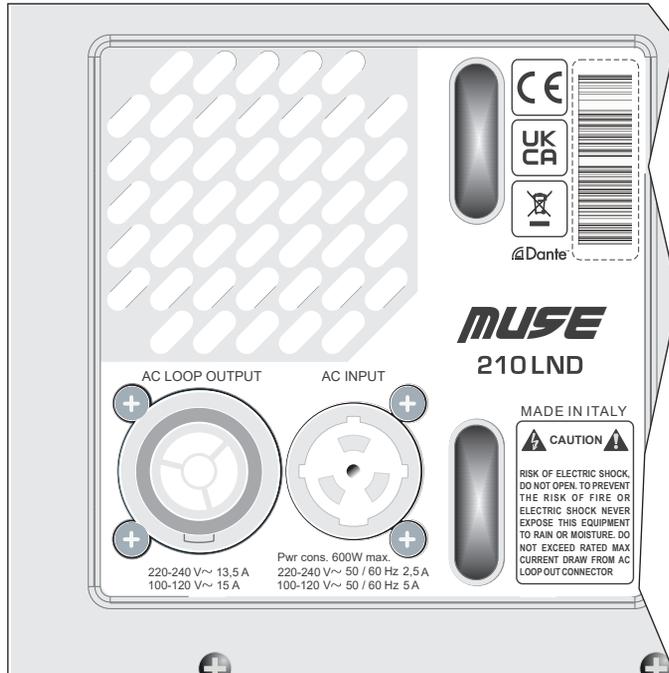


INFINITO is a real revolution in the FBT world that enhance the user experience in a new level of performance and simplicity! It's a Windows software platform totally developed in house by FBT R&D team that offers real time monitoring of the internal sensors and status of connected devices, fast IN/OUT Vu-meters, controls of all the parameters, group management, warnings readout.

More than 100 devices can be connected on the same TCP/IP network with the added convenience of auto IP address assignment.

Download it from our website: [www.fbt.it](http://www.fbt.it)

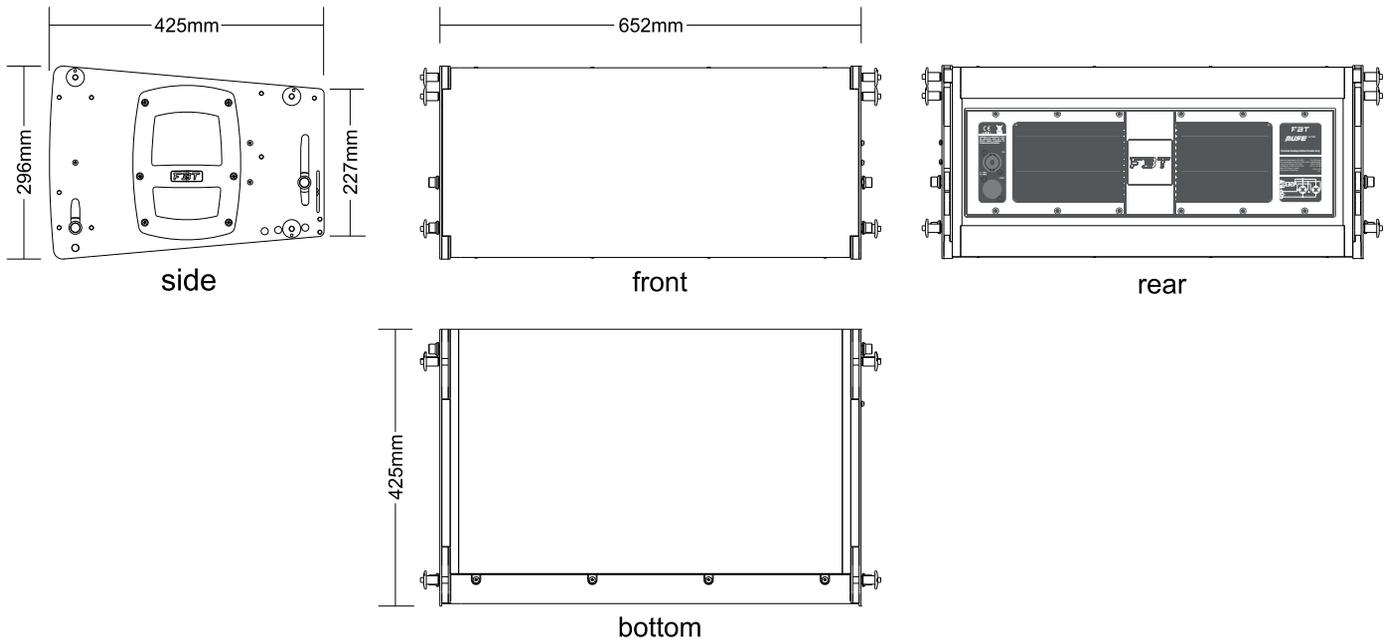
## CONNECTION PANEL



1. XLR input
2. Xlr link output
3. Port compatible with EtherCON/RJ45 connectors used for Ethernet network input for remote control and monitoring via INFINITO MANAGEMENT SOFTWARE

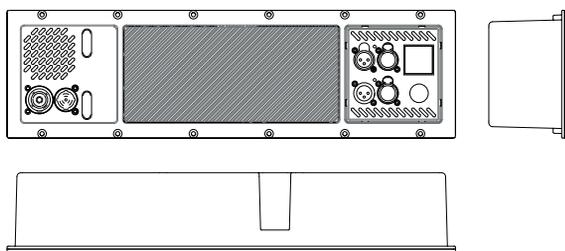
4. Port compatible with etherCON/RJ45 connectors used for the daisy chain output of the INFINITO SOFTWARE MANAGEMENT remote control and monitoring Ethernet network
5. General digital volume to control the level of signal. Press to enter the DSP menu and turn the knob to identify and select the parameters
6. Displaying of menus and DSP settings

## DIMENSION DRAWING



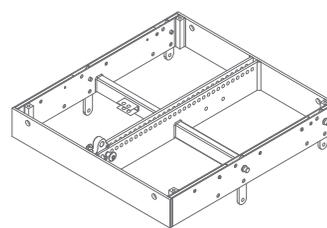
## AMPLIFIER MODULE

The FBT MUSE 210LND provides a new "intelligent" forced ventilation 800+400W high-efficiency Class D power amplifier with switch mode power supply TCP/IP network interface. This also allows to protect the electronics against dust and avoid any air loss.

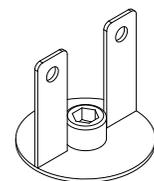


## ACCESSORIES

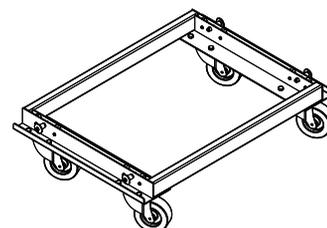
MUSE models feature a suspension system embedded in the bearing structure. The only element to be added (accessories) to realize complete arrays is the flybar model MS F210; the suspension bar can also be used in a stacking configuration as ground support of the satellites above the subwoofer or as support of the system directly to earth.



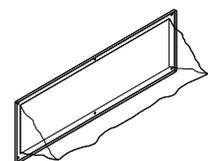
MS-F210  
Flybar



MS-J210  
Support for ground-stacked  
installation



MS-T210  
Cart for transporting  
4 x MUSE 210LND



MS-C210  
Rain cover