



MUSE 210LA

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

- Strong birch plywood cabinet
- Class D amplifiers, 600W RMS to the LF, 300W RMS to the HF
- 2 x 10" woofers with 2.5" coil
- 2 x custom B&C HF compression drivers with 1" throats
- DSP on board with 8 preset
- 90° horizontal waveguide up to 18kHz
- Control panel with XLR «in&link», HF level, preset, HP filter, GND lift switch
- High SPL capability: 135dB
- Integrated rigging hardware
- Completely Manufactured in Italy



PRODUCT DESCRIPTION

A true line array system encompassing advanced technology and refined Italian engineering, these are the principles behind MUSE, a new sound reinforcement solution from FBT that redefines the modern line array in terms of power, size, light weight, flexibility and ease of use. The MUSE 210LA is the ideal choice when line array performance is needed and a fast and easy set up is a must. The modularity of the FBT MUSE 210LA makes it extremely flexible for a wide range of applications, from a small two cabinets PA system to an elaborate line array system consisting of up to 16 FBT MUSE 210LA cabinets along with multiple FBT SUBLINE 218SA subs for large concert events. The system features 2 x 10" woofers with 2.5" voice coil and two custom B&C HF compression drivers with 1" throats. The system is powered from a 600W RMS amplifier in Class D technology for LF and a 300W RMS amplifier for HF; the amplifier features a solid lightweight die-cast aluminium structure that permits to protect the electronics against dust, avoid any air loss through the controls and maximize heat loss by using the woofer ventilation instead of a cooling fan. The waveguide, optimized by BEM finite element simulation, offers 90° horizontal dispersion; engineered to be perfectly integrated with the HF compression driver it allows the dispersion of a flat acoustic wave to over 18kHz. The FBT MUSE 210LA cabinets coupling hardware is internally integrated and allows the suspension of 16 arrays with a splay angle between 0° - 10° with 1° step. The onboard DSP offers a choice of eight presets, allowing users to easily configure their MUSE 210LA system depending on the curvature of arrays and the number of speakers used. 3 status LEDs, On/Peak/Lmt-Prt, are provided for monitoring the system. FBT MUSE 210LA cabinets are moulded on a 0,59" (15mm) birch plywood, and incorporate two die cast aluminium handles; the front is protected by a heavy duty metal grille with anti-resonance spacers and exclusive synthetic cloth to protect the drivers. The FBT MUSE 210LA provides a wide range of hardware accessories for flying and ground stacked configurations.

ELECTRICAL PERFORMANCE

System Type	2-way
Built-in Amplifiers LF / HF *	cont.: 400W RMS / 200W RMS max.: 600W RMS / 300W RMS peak.: 1200W / 600W
Frequency Response @ -6dB	55Hz - 20kHz
Input Impedance	22kOhm
Maximum SPL (cont. / peak) **	128dB / 135dB
Dispersion	90° x 10° max dependant upon n° of elements
Crossover Frequency	1 kHz
AC Power requirement	640 VA

PHYSICAL

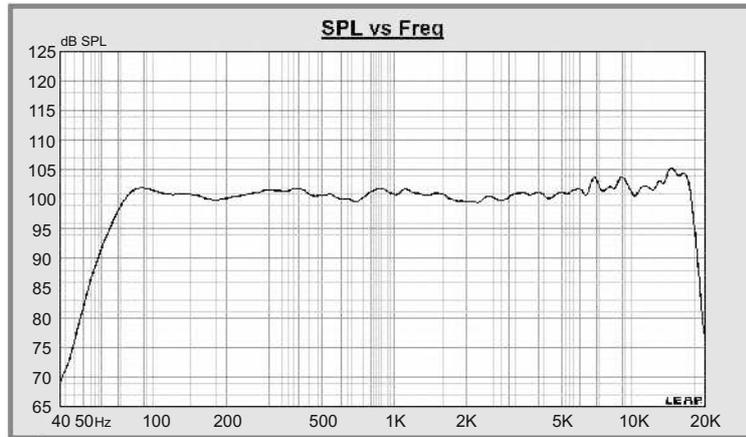
Low Frequency Woofer	2 x 10" - 2.5" coil
High Frequency Driver	2 x 1" - 1.7" coil
Input Connectors	XLR with loop
Net Dimensions (WxHxD)	25.66" x 11.65" x 16.73" 652 x 296 x 425mm
Shipping Dimensions (WxHxD)	31.10" x 14.76" x 20.47" 790 x 375 x 520mm
Net Weight	83.77 lbs / 38 kg
Shipping Weight	90.38 lbs / 41 kg
Enclosure Material	Birch plywood
Power cord	7 mt. / 22.96ft

* CONT.: 500mS, rms power on nominal speaker impedance
MAX.: 2mS burst, rms power on nominal speaker impedance
MAX PEAK: based on max peak output voltage and nominal speaker impedance

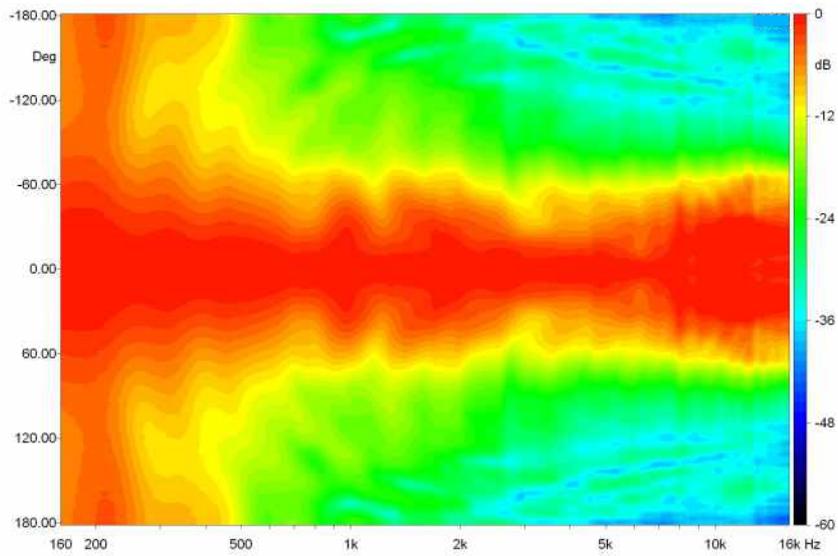
** CONT. SPL: free space, based on continuous power amp rating and LF transducer average sensitivity data, 125mS time average
PEAK SPL: free space, based on max peak power amp rating and system peak sensitivity, 10mS time average



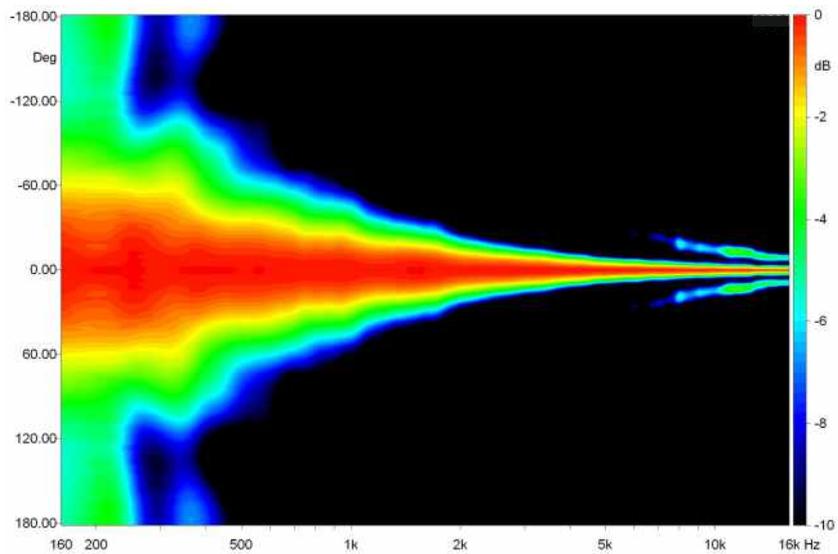
FREQUENCY RESPONSE



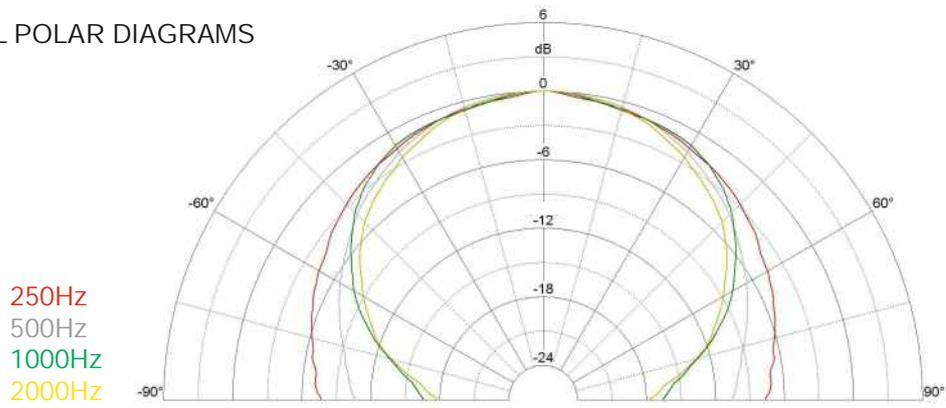
HORIZONTAL BEAMWIDTH



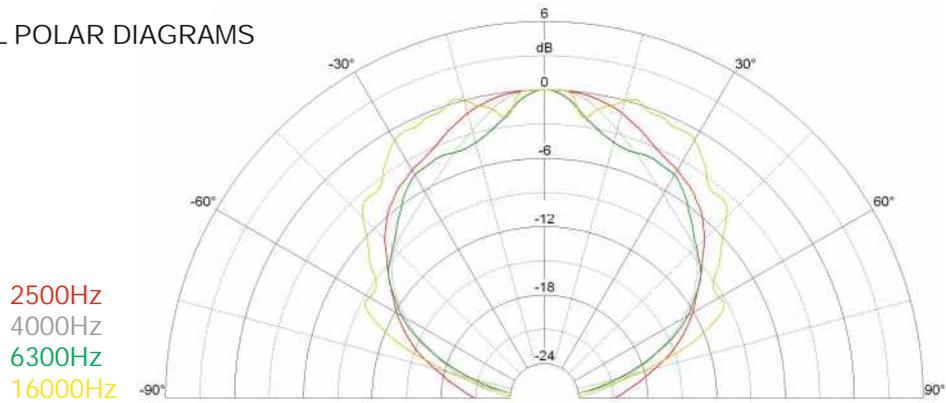
VERTICAL BEAMWIDTH



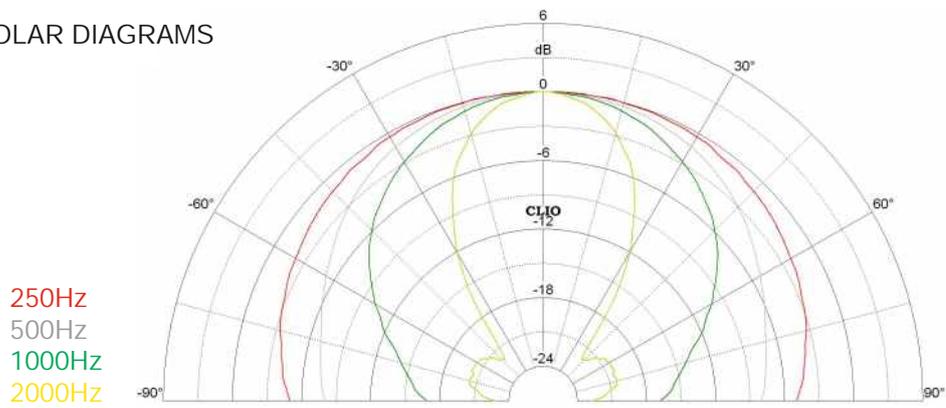
HORIZONTAL POLAR DIAGRAMS



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