

## Processed Active Subwoofer

### 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

- Ground stack direct load subwoofer
- Very large area reflex port to ensure no power compression and very low port turbulence
- Double 18" (460mm) B&C very high excursion woofer with 4" (100mm) voice coil
- Frequency Response from 30Hz @-6dB
- Class D amplifier delivering 4000W RMS with switch mode power supply
- Network interface TCP/IP - OCA70 compatible
- EtherCon RJ45 input and output for daisy-chain
- OLED DISPLAY and ENCODER with PUSH for easy onboard control
- DANTE audio streaming with 24bit at 48-96KHz on TCP/IP network
- 0.7" (18mm) birch plywood enclosure, scratch resistant black paint, 6 handles and heavy duty metal grille with synthetic protection cloth
- M20 top mount stand socket
- Optional 4 swivel-mount 4" (100mm) casters
- Low frequency extension cabinet for the MUSE 210LND line array for ground stacked configurations

### DESCRIPTION

MUSE 218SND is a direct radiation ground subwoofer, has two B&C 460mm long excursion speakers with 100mm voice coil and 4000W class D amplification, capable of 148.5dB SPL. The bass-reflex cabinet offers substantial energy up to 30Hz and is ideal for extending and reinforcing the low frequencies of the MUSE 210LND line array in ground-stack configuration.

It has presets to create various configurations with cardioid directivity, where some subwoofers face rearwards from the audience to acoustically cancel the sound pressure behind the cluster, obtaining a reduction of the SPL on the back by over 15dB.

The enclosure, optimized with BEM-type acoustic simulations to reduce resonance and turbulence of the ducts, is built with 18mm birch plywood with six handles and scratch-resistant paint. Reinforced front mesh with protective fabric and provision for optional four swivel-mount 4" (100mm) casters in the rear panel.

The summit of the entire project is the new 4000W amplification module with built-in TCP / IP network interface. Based on AES70 standard (OCA Alliance), it communicates with FBT's "INFINITO management suite" remote control software and receives 24bit 48-96KHz digital audio streaming from all devices compatible with "DANTE" standard. 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 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. The MUSE 218SND is equipped with intelligent forced ventilation and OLED display with encoder for parameter setting. A high-brightness blue front LED allows remote identification of the device also in daylight.

Configuration	way	1 Reflex
Frequency response	@ -6dB	30Hz preset dependant
Low frequency woofer	inch	2x18" - 4 coil
SPL max. (cont / peak)	dB	142.5 / 148.5 half-space
Crossover frequency	kHz	preset dependant
Dispersion	H x V	omnidirectional
Amplifier class		D
Built-in amplifier	W	4000
Built-in amplifier peak	W	8000
Input impedance	kOhm	22
Input connectors		XLR IN / OUT

Input / output NET		NET IN / NET OUT (EtherCon)
AC Power requirements	W	800
Power cord	Ft. /mt	16.4 / 5
Material		wooden cabinet - black finish
Handles		Integrated (3 x side)
Net sizes (WxHxD)	inch mm	44,88 x 28,13 x 21,85 1140 x 740 x 555
Transport dimensions (WxHxD)	inch mm	47,24 x 31,49 x 28,74 1200 x 800 x 730
Net weight	Lbs / Kg	218,25 / 99
Shipping weight	Lbs / Kg	238 with pallet / 108 with pallet

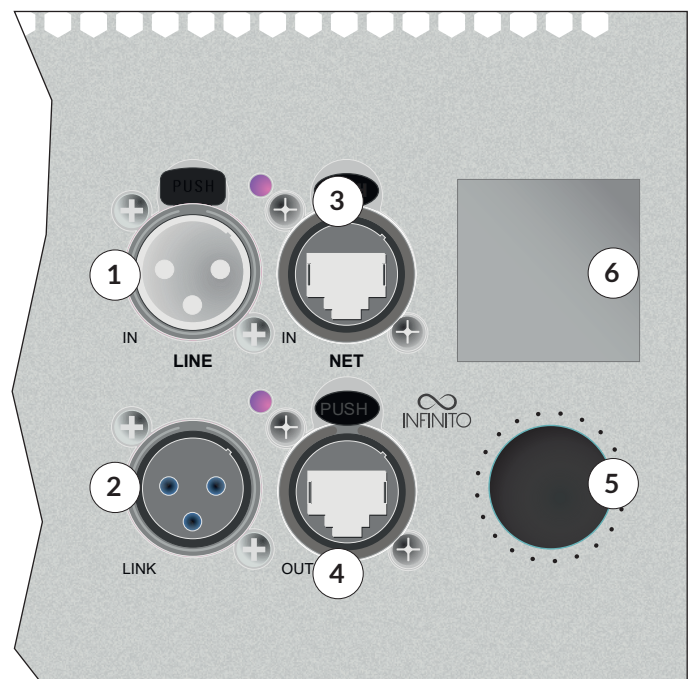
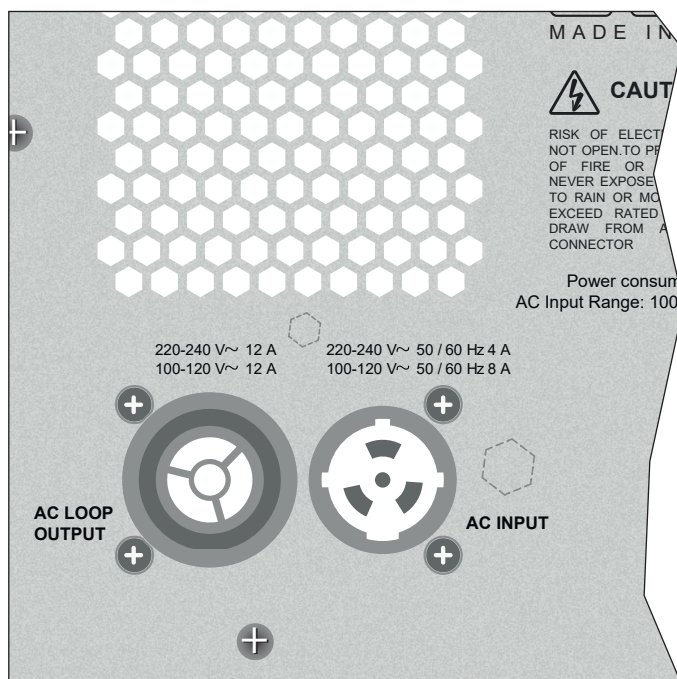
## INFINITO



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

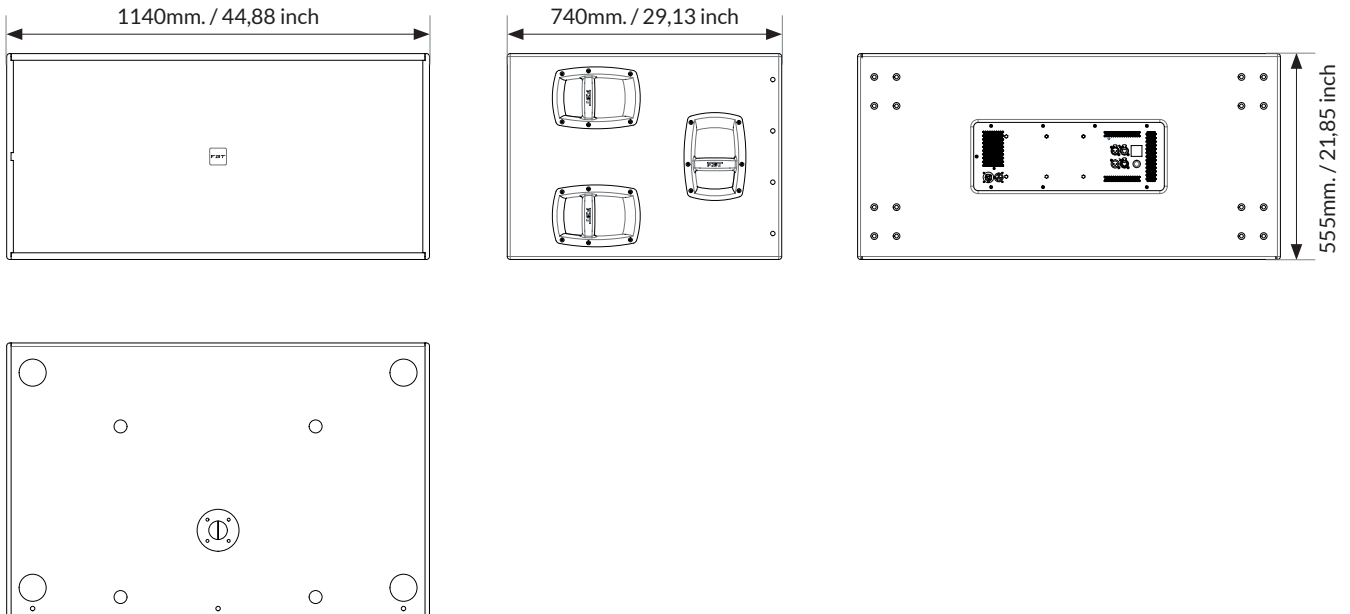
## CONNECTION PANEL



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

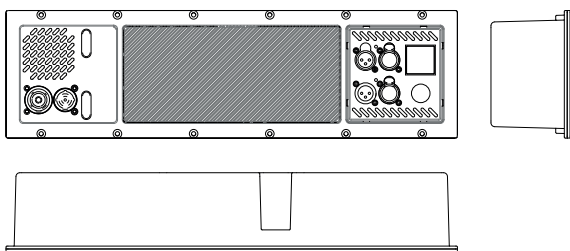
4. Port compatible with etherCON/RJ45 connectors used for the daisy chain output of the INFINITO SOFTWARE MANAGEMENT remote control and monitoring Ethernet network
5. General digital volume to control the level of signal. Press to enter the DSP menu and turn the knob to identify and select the parameters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

## DIMENSION DRAWING



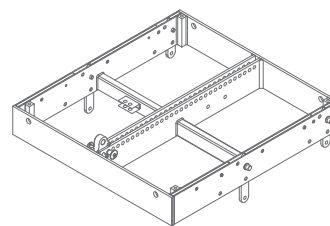
## AMPLIFIER MODULE

The FBT MUSE 218SND provides a new 4000W high-efficiency Class D power amplifier with network interface TCP/IP enclosed in a die-cast aluminium module with "intelligent" forced ventilation. This also allows to protect the electronics against dust and avoid any air loss.

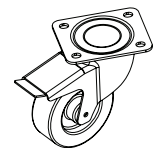


## ACCESSORIES

MUSE models feature a suspension system embedded in the bearing structure. The only element to be added (accessories) to realize complete arrays is the MS-F210 flybar for the configuration with subwoofer on top or to ground satellites over the sub.



MS-F210  
Flybar



4 Wheels Kit