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New
2022

FBT

THE POWERFUL TOURING SOUND SOLUTION

Myra |¹



MEETING CUSTOMER DEMAND FOR A
LARGE-SCALE, POWERFUL TOURING
SOUND SOLUTION, FBT IS PROUD TO
INTRODUCE THE MYRA AS ITS NEW FLAGSHIP
SOUND REINFORCEMENT SYSTEM.

Combining precision sound quality with practical hardware and FBT's characteristic Italian style, the Myra system comprises the 214L mid/high line array and the 218S subwoofer. Both are the result of a strong collaboration with leading tour sound companies and an extensive R&D program lasted three years. Designed without compromise, the Myra establishes a new reference for SPL to size ratio, directivity control, coherence and ease of use.

Myra

2 | Variable Curvature Line Array



At the heart of the 214L line array element is a new coaxial 4-inch voice coil mid-frequency and 2.5-Inch voice coil high-frequency driver combination developed in cooperation with B&C Speakers and covering the 400hz to 20khz range. Combined output from the compression drivers is loaded by a proprietary short path waveguide that ensures low distortion and controlled broadband directivity.

With extended frequency response down to 40Hz, which in most applications avoids the need for flown subwoofers, the 214L low frequency section employs uniquely sized B&C Speakers 14-inch high excursion woofers

with 3-inch voice coils to maintain long throw projection of low frequencies with power and authority.

The cabinet construction typifies FBT's signature 'Made in Italy' production philosophy. Completely manufactured in-house using premium Baltic birch and tour-ready weather-resistant polyurea coating, the 214L is built for a life on the road. Audio crews will appreciate the intuitive four-point integrated rigging system which allows up to 24 cabinets to be flown quickly and easily in any venue with splay angle from 0.25° to 8°.

AN AUTO-LOCKING INTERNAL MECHANISM
MAKES IT EASY TO SET ARRAYS AT THE DESIRED
INTER-ELEMENT ANGLES USING SELECTOR PINS AND
SECURELY LOCKING ALL CABINETS AT THE SELECTED
ANGLE WHEN LIFT-UP.

3



The MYRA 214L is Bi-Amped through a NEUTRIK NL4M connectors, one channel for LF and one for the MID/HF with internal passive crossover. The lowest octave of the Myra system is seamlessly reproduced by the companion 218S, a reflex-loaded dual 18-inch subwoofer with custom designed, long excursion B&C woofers.

Combining accurate cabinet resonance study and ingenious port arrangement which is designed to reduce turbulence and eliminate non-linearity, MYRA 218S delivers substantial low frequency energy down to 25Hz and can offer standard or cardioid directivity with suitable DSP preset and physical deployment.

As with the 214L mid/high enclosure, the 218S cabinet benefits from premium Baltic plywood construction and to ensure long term road-worthiness and all-weather resistance, is protected by a durable polyurea coating.

A two-point rigging system is flush-mounted into the cabinet, allowing the suspension up to 12 enclosures with a 4:1 safety factor.

Trucking and handling are made easy by the eight comfortable, ergonomically placed rubber gripped aluminium bar handles, along with removable heavy-duty casters.



Practical aluminium handle



Intuitive four-point integrated rigging system

Myra

4 | Variable Curvature Line Array



MR-F214 Code 43901
Flybar for flown configurations



MR-FJ214 Code 44227
Rigging accessory for azimuth
adjustment



MR-J214 Code 44228
Pull-back compression frame



MR-F218 Code 43897
Flybar for flown configurations



MR-T214 Code 43898
Dolly transport or ground stack
installation



MR-P214 Code 44591
Extension feet for dolly transport



MR-T218 Code 43902
Dolly transport or ground stack
installation



214L

BI-AMPED LINE ARRAY
1600W + 640W - 147 DB SPL

- Bi-amplified 3-way line array
- 2 x 356mm (14") custom woofers with 76mm (3") voice coil
- 2 x Coaxial B&C MF/HF compression drivers with 100mm (4") voice coil MF and 36mm (1.4") throat, 64mm (2.5") coil HF
- Short path FBT waveguide with 90° horizontal dispersion (vertical dispersion dependent on number of elements and array curvature)
- Frequency response from 40Hz to 20kHz
- Neutrik® speakON™ NL4M input and link connectors
- Cabinet in premium grade Baltic birch plywood with polyurea coating

- Integral 4-point rigging system for suspending up to 24 cabinets with splay angle from 0.25° to 8°; angles can be set while stacks rest in caster frame
- Internal passive MF/HF crossover; only two amplifier channels required



MR-TC214 Code 44592
Top cover





218S

REFLEX SUBWOOFER
4000W - 143 DB SPL

- Dual 18" reflex-loaded subwoofer
- 2 x 457mm (18") custom woofers with 100mm (4") voice coils
- Frequency response down to 25Hz
- Neutrik® speakON™ NL4M input and link connectors
- Cabinet in premium grade Baltic birch plywood with polyurea coating
- Curved tuning port for decreased airflow velocity and reduced turbulence
- Optimised vent shape reduces port compression and maintains linearity
- Standard and cardioid presets available



Myra

6 | Variable Curvature Line Array



| Model | 214L | 218S |
|------------------------------|-----------|--|
| GENERAL | | |
| Configuration | Way | 3 |
| Low frequency woofer | Inch / mm | 2 x 14" (neo) - 3" voice coil |
| High frequency driver | Inch / mm | 1,4\ " neo coax / 4\ " coil MF / 2,5\ " coil |
| ACOUSTICAL SPEC. | | |
| Frequency response | @-6dB | 40Hz -20kHz |
| SPL max. (cont/peak) | dB | 147dB |
| Dispersion | HxV | 90x depends on curvature and number of elements HxV, 90° omnidirectional |
| AMPLIFIER | | |
| Recommended amplifier | W RMS | 1600 LF - 600 MF/HF |
| Long term power | W | 800W LF - 300W MF/HF |
| Short term power (IEC 268-5) | W | 3200W LF - 1200W MF/HF |
| Nominal impedance | Ohm | 4 Ohm LF - 16 Ohm MF/HF |
| INPUTS / OUTPUTS | | |
| Input connectors | | Neutrik NL4M |
| MECHANICAL SPEC. | | |
| Splay angle between cabinets | | 8° max (0.25° - 1° -2° - 3° - 4° - 5° - 6° - 8°) |
| Material | | Cabinet in baltic birch plywood - blackpolyurea finish |
| Handles | | Alluminium (1 x side) |
| Net Sizes (WxHxD) | mm / Inch | 930 x 400 x 530 mm / 36,61 x 15,70 x 20,86 inch |
| Transport dimensions (WxHxD) | mm / Inch | 1050x501x630mm / 41,3x19,7x24,8 inch |
| Net weight | kg / Lbs | 61,5 kg / 135,58 lb |
| Shipping weight | kg / Lbs | 70 / 154,3 Kg/lb |
| | | 1340x555x74mm0 / 52,7x21,85x29,13inch |
| | | 1440x640x840mm / 56,7x25,2x33,1inch |
| | | 87,5kg / 192,90lb |
| | | 100kg / 220,5 lb |

AN INNOVATIVE LINE ARRAY
SYSTEM WITH REFINED,
TECHNOLOGICALLY-ADVANCED
ENGINEERING

Muse |⁷



These are the qualities of the new speaker that redefines the concept of line array in terms of power, size, lightness, flexibility and practicality of use. The modularity from 2 to 16 speakers allows use in a wide variety of situations, from small band to large outdoor concert. The aesthetic elegance of the MUSE also makes it very suitable for fixed installations.

MUSE 210LND/210LN has two custom 250mm (10") woofers with 64mm (2.5") high excursion coil and two custom B&C drivers with 25mm throat. The waveguide, optimised with BEM finite element simulations to minimise distortion, has a horizontal dispersion of 90°. Designed to present an optimal load to the driver's membrane starting from 800Hz, it 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 particularly linear and symmetrical horizontal dispersion. The cabinet is made of 15mm birch plywood with two die-cast aluminium handles.

The pinnacle 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.

MUSE 210LN has the same characteristics of the MUSE 210LND model but does not include the Dante feature.

The module is contained in an aluminium chassis with intelligent forced ventilation and is equipped with an OLED display with encoder for parameter setting, among which 8 presets offer easy configuration, adapting the DSP to the curvature of the array and to the number of elements used.



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.



TO EXTEND THE LOW FREQUENCIES, THE MUSE SYSTEM INCLUDES TWO SUBWOOFER MODELS

MUSE118FSND/118FSN is an innovative reversible subwoofer for cardioid configurations with integrated suspension hardware. Innovative hybrid acoustic band-pass configuration with single 460mm (18") B&C woofer and 75mm (3") neodymium coil and integrated 1600W RMS amplifier capable of 140dB SPL, ideal to be suspended together with the MUSE210LND or in a separate cluster.

MUSE 118FSN has the same characteristics of the MUSE 118FSND model but does not include the Dante feature

MUSE218SND/218SN is a direct radiation ground subwoofer, it has 2 B&C 460mm (18") long-range woofers and 4000W class D amplification capable of 148.5dB SPL. The subwoofer serves as the basis for ground-stack configurations and is equipped with a preset for cardioid configuration. MUSE 218SN has the same characteristics of the MUSE 218SND model but does not include the Dante feature

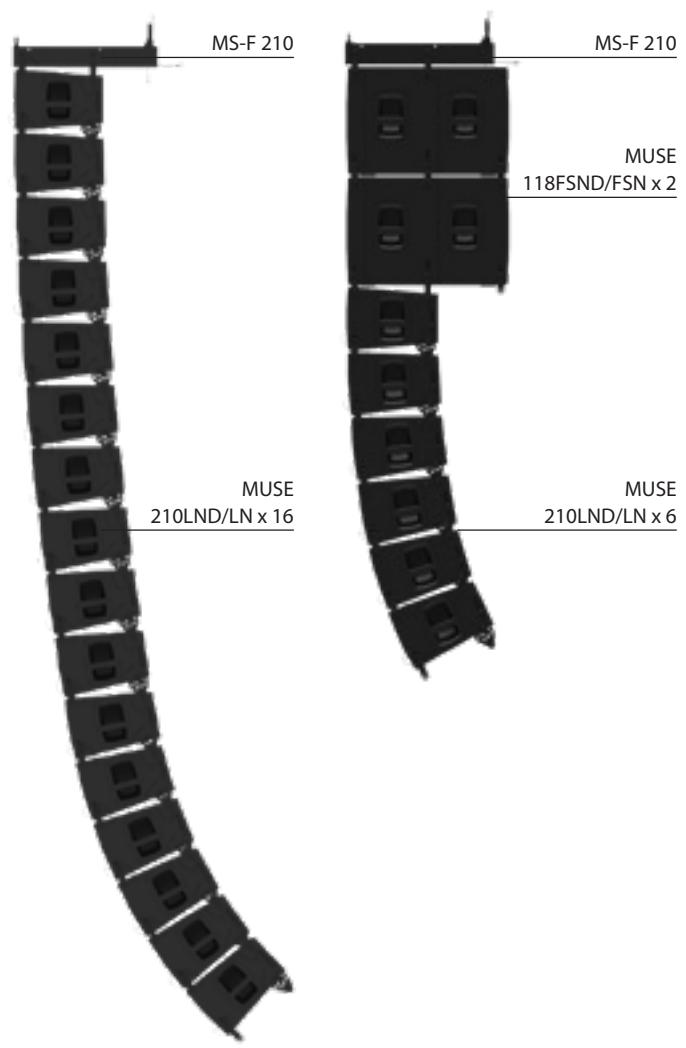
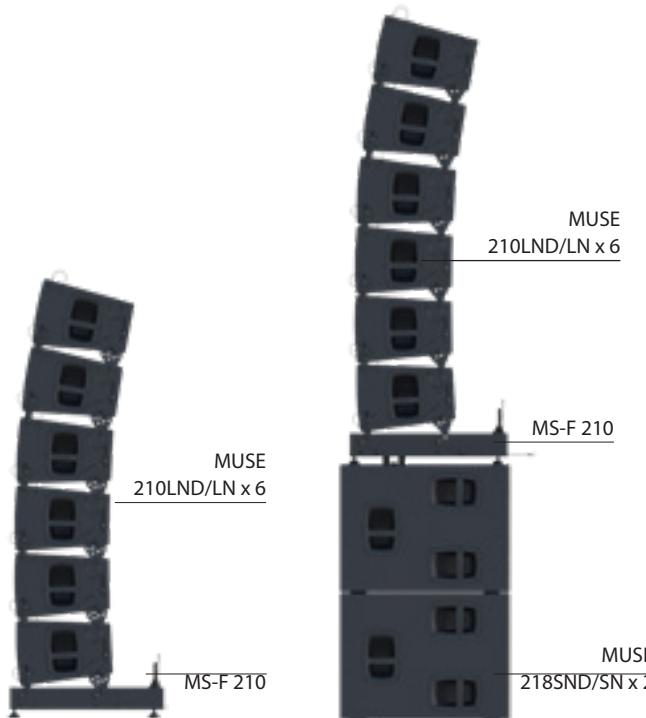
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Both have a switching power supply unit, OLED display with encoder and TCP/IP OCA70 interface compatible to communicate with the INFINITO System Management Suite software.

MUSE 118FSCND / 118FSCN: A NEW WAY TO FLY CARDIOID SUBWOOFER CONFIGURATIONS

Using the AFMG EASE FOCUS 3 PC software, it is possible to design the most appropriate configuration by simulating SPL distribution and system frequency response in listening areas.





MS-T 210 Code 38886
Trolley for 4 Muse 210



MS-F 210 Code 38834
Flying bar Muse 210
and Muse 118



MS-J 210 Code 39401
Metal Bracket to install MS-F 210
on Subline 218/ Mitus 218



MS-P 210 Kit Code 38861
Pin Lock Set (4pcs box)



MS-FK 210 Code 39675
Flight-case for 2 Muse 210



MS-C210 Code 39340
Rain cover for Muse 210
e Muse 118



INFINITO
System Management Suite Dante

210LND / 210LN

PRECISION COVERAGE

VERTICAL ACTIVE ARRAY

800W + 400W RMS - 136dB SPL

- Compact 2-way line array system in bass-reflex
- 2 x 250mm woofers. (10") with 64mm coil. (2.5")
- 2 XB&C custom drivers with 25mm (1") throat
- Frequency response from 55Hz to 20kHz
- 800W class D amplifier for LF and 400W for HF with switching power supply unit
- TCP/IP-OCA70 compatible network interface
- EtherCon RJ45 input and output for daisy-chain
- OLED DISPLAY and ENCODER for control
- DANTE 24BIT 48-96KHz TCP/IP audio streaming
- Robust birch plywood cabinet with integrated suspension mechanism and adjustable angle of between 0° and 10° in steps of 1°
- 2 aluminium handles
- Wide range of accessories for both hanging and resting configurations, preparation for amplifier control unit rain cover

MUSE 210LN has the same characteristics of the MUSE 210LND model but does not include the Dante feature





INFINITO
System Management Suite  Dante™



INFINITO
System Management Suite  Dante™

118FSND / 118FSN

FLYABLE ACTIVE
SUBWOOFER
1600W RMS - 140DB SPL

- Compact Hybrid band pass cardioid-arrayable subwoofer. Hybrid configuration permit to obtain extension and speed of vented with high SPL and acoustic filtering of band pass
- Suspension hardware fully compatible with MUSE210LND allowing the enclosure to be suspended front or rear firing for easy cardioid configurations
- Very large area laminar-flow port to ensure no power compression and very low port turbulence
- 18"(460mm) custom B&C neodymium magnet high excursion woofer with 3"(75mm) voice coil
- Frequency Response from 33Hz @-6dB
- Class D amplifier delivering 1600WRMS 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

MUSE 118FSN has the same characteristics of the MUSE 118FSND model but does not include the Dante feature

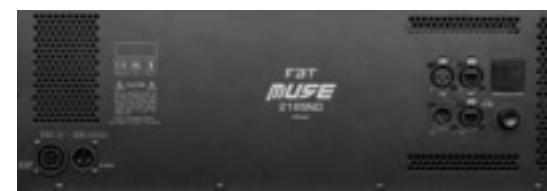
218SND / 218SN

PRECISION COVERAGE
VERTICAL ACTIVE ARRAY
4000W RMS - 148.5DB SPL

- 5/8"(15mm) birch plywood enclosure, scratch resistant black paint, 4 aluminum 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 MUSE210LND line array for flying or ground stacked configurations
- It's possible to order MUSE 118FSCND or 118FSCN models, the versions are ready factory preconfigured as rear facing for cardioid applications

- Ground stack direct load subwoofer
- Very large area reflex port to ensure no power compression and very low port turbulence
- 2X18"(460mm) B&C very high excursion woofer with 4"(100mm) voice coil
- Frequency Response from 30Hz @-6dB
- Class D amplifier delivering 4000WRMS 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

MUSE 218SN has the same characteristics of the MUSE 218SND model but does not include the Dante feature





| Model | 210LND / 210LN | 118FSND / 118FSN | 218SND / 218SN |
|--------------------------------------|----------------|--|--|
| GENERAL | | | |
| Configuration | Way | active 2-way reflex line array module | 1 hybrid bandpass |
| Low frequency woofer | Inch / mm | 2 x 10" / 2,5" coil | 1 x 18" / 3" coil neodymium |
| High frequency driver | Inch / mm | 2 x 1" / 1,7" coil | --- |
| ACOUSTICAL SPEC. | | | |
| Frequency response | @-6dB | 55Hz - 20kHz | 33Hz - preset dependant |
| Sensitivity (@1W/1m) | dB | --- | --- |
| SPL max. (cont/peak) | dB | 129 / 136 | 136 / 140 half-space |
| Dispersion | HxV | 90°x10°(dipendantuponn.ofelements) | omnidirectional |
| AMPLIFIER | | | |
| Built-in amplifier max. LF / HF | W | 800 / 400 | 1600 |
| Built-in amplifier max. peak LF / HF | W | 1600 / 800 | 3200 |
| Input impedance | kOhm | 22 | 22 |
| INPUTS / OUTPUTS | | | |
| Power supply connectors | | PowerCon IN/OUT | PowerCon IN/OUT |
| Input connectors | | XLR IN / OUT | 2 x XLR IN/OUT |
| Input / output NET | | NET IN / NET OUT (EtherCon) | NET IN / NET OUT (EtherCon) |
| POWER SUPPLY SPEC. | | | |
| AC Power requirements | W | 600 | 600 |
| Power cord | mt. / Ft. | 5 / 16,4 | 5 / 16,4 |
| MECHANICAL SPEC. | | | |
| Material | | Cabinet in baltic birch plywood - blackpolyurea finish | Cabinet in baltic birch plywood - black finish |
| Handles | | Integrated (1 x side) | Integrated (2 x side) |
| Net Sizes (WxHxD) | mm / Inch | 652 x 96 x 425 / 25,66 x 11,65 x 16,73 | 652x500x750 / 25,66x19,68x29,52 |
| Transport dimensions (WxHxD) | mm / Inch | 510x780 x 380 / 31,10 x 14,765 x 20,47 | 700x650x800 / 27,55x25,59x31,49 |
| Net weight | kg / Lbs | 38 / 83,77 | 67 / 147,70 |
| Shipping weight | kg / Lbs | 41,5 / 90,38 | 77 / 169,75 |
| | | | 108 / 238 with pallet |



HORIZON VHA, THE NEW FBT LINE ARRAY WITH BOTH HORIZONTAL AND VERTICAL CONFIGURATIONS, IS A FLEXIBLE SYSTEM SUITABLE FOR ALL CONDITIONS OF USE. IT PROVIDES OPTIMAL AUDIENCE COVERAGE WITH EXCEPTIONAL SOUND QUALITY AND DISPERSION UNIFORMITY.

FBT LOOKS TO THE HORIZON WITH NEW VERTICAL HORIZONTAL ARRAY

Developed to meet the increasingly diverse needs of rental companies and systems integrators, the HORIZON VHA (Vertical Horizontal Array) series by FBT is set to rewrite the rules of sound reinforcement system design when it debuts at Frankfurt 2018 Pro Light + Sound.

Delivering optimal audience coverage with the ability to adapt to the requirements of the

project at hand, HORIZON VHA represents a step forward in flexible sound reinforcement technology with exceptional sound quality. Crafted in Italy with the no-compromises manufacturing excellence for which FBT is known, the HORIZON VHA series comprises the full range VHA406ND, plus two options for low-end extension in the shape of the 12" VHA112SND and 18" VHA118SND.

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. INFINITO is a true revolution in the FBT world that enhances the user experience, reaching new heights in terms of performance and simplicity! It is a software platform that is fully developed in house by the FBT R&D team that offers real time monitoring of the internal sensors and the status of the connected devices, fast IN/OUT Vu-meters, controls of all the parameters, group management and warnings readout. The module is contained in an aluminium 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.



VHA406ND/N x 3
VHA112SND/SN
VHA-T 406

VHA406ND/N x 2
VHA112SND/SN
VHA-B 406
VHA118SND/SN

VHA406ND/N
VHA-S 406
VHA118SND/SN

VHA406ND/N
VHA112SND/SN max 3
VHA-T 406



VHA-FH 406-1
VHA406ND/N

Constructed in 0.47" birch plywood with a tough and tour-ready synthetic rubber surround, each VHA406ND comprises four 6.5-inch woofers plus a 1.4" large-format neodymium compression driver with a 2.5" voice coil. The purpose-designed central waveguide, optimized with BEM finite element simulators, offers dispersion of 90° horizontal and 20° vertical, with precise and focused vertical control across the enclosure's entire operating range. The result is a combination of perfectly balanced, symmetrical dispersion – multiple system can be coupled with full coherence far beyond 18KHz, plus a particularly powerful, defined midrange with a frequency response extending from 65Hz to 20KHz. The VHA406ND Class-D, switch mode amplifier module can deliver 800W for the LF section and 400W for the HF. Courtesy of an integrated DSP processor with next generation algorithms, users whilst enjoying the system's tremendous headroom to ensure the best possible audio fidelity. Integrated hardware allows the linking of up to six VHA406ND cabinets in vertical array with variable angles from 5° to 20° (in 5° steps), ensuring an easy and error-proof system configuration and set-up. Rigging is simplified even further by the inclusion of only one setting point per side. All setting pins are fixed and integrated into the hardware, eliminating both the risk of loss and damage in transport. Crucially, the HORIZON VHA system also boasts integrated quick-release anchor points that facilitate the creation of horizontal arrays using the dedicated flybar. Each flybar will support up to three VHA406A cabinets, while multiple flybars can be joined for the creation of arrays delivering up to 360° coverage.



The FBT HORIZON VHA406ND provides a wide range of accessories for suspension, pole-mounting or ground-stacking. The front of the loudspeaker is covered with a powder coated perforated steel grille. Available a rain cover that protects the electronic parts from the rain.

For low-end extension, meanwhile, the VHA112SND flyable bass extension module is ideal for small-to-medium sized projects, seamlessly matching the VHA406A in both size and shape yet housing a single 12" B&C long excursion woofer. The bass reflex design incorporates a laminar air flow to minimize turbulence and compression, while the Class D amplifier module drives the system with 1200W, and includes on-board DSP with filtering, equalization and limiting. For larger spaces, the ground-stacked VHA118SND is an exceptionally powerful and versatile subwoofer that sets a new standard for SPL to size ratio. Comprising a single 18" B&C woofer, the birch plywood, bass reflex sub again deploys a laminar air-flow for refined performance, while its 2000W Class-D amplifier module offers a selection of six entirely rewritten preset algorithms.



The design of the VHA118SND has produced a unique low-end module that is capable of generating extremely high levels of SPL for prolonged periods. Using BEM finite element simulations, FBT has optimized the woofer's load volume, while careful study of the grille and the assembly's protective fabric have minimized acoustic impedance for a net improvement in performance compared to previous models. The addition of the VHA118SND extends the overall system frequency response to 30Hz, while the sub can support fully ground-stacked configurations courtesy of special integrated mounting hardware.



VHA-F 406 Code 41779
Flyingbarforverticalconfiguration
HORIZON VHA 406 A



VHA-FH 406-1 Code 41780
Flying bar for horizontal
configuration 1x VHA 406 A



VHA-FH 406-5 Code 41781
Flying bar for horizontal
configuration for 2-5 HORIZON
VHA 406 A



VHA-2F406 Code 42990
Cluster bracket with speaker pole
for 1xVHA 406 A



VHA-B 406 Code 41783
MetalbasetogroundVHA406/VHA
112 array and stack on VHA118SA



VHA-T 406 Code 42126
Trolleyfor3xVHA406/VHA112and
metal base to ground 4xVHA406/
VHA112



INFINITO
System Management Suite

Dante™

VHA406ND / VHA406N

VERTICAL HORIZONTAL ACTIVE
LINE ARRAY
800W + 400W - 134 DB SPL

- Bi-amplified 2-way line array
- 4 x 165mm (6.5") custom woofers with 38mm (1.5") coil
- Large format FBT waveguide with 90°(H) x 20°(V) dispersion
- Frequency response from 65Hz to 20KHz
- Class-D 800Wrms for LF and 400Wrms for HF amplifiers with switch mode power supply
- Network interface TCP/IP - AES70 compatible
- Ethercon RJ45 input and output for daisy-chain
- RemotecontrolbyINFINITOSystemManagement Suite
- OLED DISPLAY and encoder with PUSH for easy onboard control
- DANTE audio streaming 24bit 48-96KHz
- NeutrikPowerCONINandLINKpowerconnectors
- Cabinet in 12mm (0.5") birch plywood with anti-scratch varnish. Handles with rubber inserts and rubber-coated sides to protect the cabinet from bumps and scratches.
- Sidesuspensionhardwarewithintegratedsetting pins, inclination between adjacent cabinets from 5° to 20° in 5° steps. Possibility of vertical and horizontal installation through dedicated flybars
- Wide range of accessories for suspension, pole-mounting or ground-stacking.
- Ideal for both live applications, assisted by one or both subs of the VHA range, and for fixed installations



VHA-S 406 Codice 41782
Cluster bracket with speaker pole
for 1xVHA 406 A

VHA406N has the same
characteristics of the VHA406ND
model but does not include the
Dante feature



INFINITO
System Management Suite  Dante™

VHA112SND / VHA112SN

VERTICAL HORIZONTAL ARRAY ACTIVE
SUBWOOFER
1600W - 136 DB SPL

- Bass-reflex amplified subwoofer
- High-excursion 320mm (12") custom B&C Woofer
- Frequency response from 45Hz to 120Hz
- 1600Wrms class-D amplifier with switching mode power supply
- Network interface TCP/IP - AES70 compatible
- Ethercon RJ45 input and output for daisy-chain
- Remote control by INFINITO System Management Suite
- OLED DISPLAY and encoder with PUSH for easy onboard control
- DANTE audio streaming 24bit 48-96KHz
- Neutrik PowerCON IN and LINK power connectors
- Cabinet in 12mm (0.5") birch plywood with anti-scratch varnish. Handles with rubber inserts and rubber-coated sides to protect the cabinet from bumps and scratches.
- Ideal for reinforcing and extending the low range of the VHA406ND line array

VHA112SN has the same
characteristics of the VHA112SND
model but does not include the
Dante feature



INFINITO
System Management Suite  Dante™

VHA118SND / VHA118SN

PROCESSED ACTIVE
SUBWOOFER
2500W - 143 DB SPL

- Bass-reflex amplified subwoofer
- 460mm (18") high excursion B&C woofer with 100mm (4") coil
- Frequency response from 30Hz to 100Hz
- 2500Wrms class D amplifier with switching power supply
- Network interface TCP/IP - AES70 compatible
- Ethercon RJ45 input and output for daisy-chain
- Remote control by INFINITO System Management Suite
- OLED DISPLAY and encoder with PUSH for easy onboard control
- DANTE audio streaming 24bit 48-96KHz
- Neutrik PowerCON IN and LINK power connectors
- Box in 18mm (0.7") birch plywood with anti-scratch varnish
- Two M20 stand sockets and 4 FB Taluminum handles, predisposed for 4 x 100mm (4") swivel casters
- Integrated mechanics compatible with VHA406ND and VHA112SND for ground stack configurations.
- Extremely robust grid with protective fabric
- Ideal for reinforcing and extending the low range of the VHA system, it can only be used with VHA406ND or as an infra if present also the VHA112SND

VHA118SN has the same
characteristics of the VHA118SND
model but does not include the
Dante feature



Horizon

Vertical Horizontal Line Array



| Model | VHA406ND / VHA406N | | VHA112SND / VHA112SN | VHA118SND / VHA118SN |
|--------------------------------------|--------------------|---|---|---|
| GENERAL | | | | |
| Configuration | Way | active 2-way reflex line array module | active 1 way reflex subwoofer | 1 Reflex |
| Low frequency woofer | Inch / mm | 4 x 6,5" / 1,5" coil | 1 x 12" / 3" coil | 1x18 - 4 coil |
| High frequency driver | Inch / mm | 1 x 1,4" / 2,5" coil | --- | --- |
| ACOUSTICAL SPEC. | | | | |
| Frequency response | @-6dB | 65Hz - 20kHz | 50Hz - 120Hz | 30Hz preset dependant |
| SPL max. (cont/peak) | dB | 128 / 133 | 131,5 / 135 | 137 / 143 half-space |
| Dispersion | HxV | 90°x20° | omnidirectional | omnidirectional |
| AMPLIFIER | | | | |
| Built-in amplifier max. LF / HF | W | 600 / 300 | 1200 | 2500 |
| Built-in amplifier max. peak LF / HF | W | 1200 / 600 | 2400 | 5000 |
| Input impedance | kOhm | 22 | 22 | 22 |
| INPUTS / OUTPUTS | | | | |
| Power supply connectors | | PowerCon IN / OUT | PowerCon IN / OUT | PowerCon IN / OUT |
| Input connectors | | XLR IN / OUT | XLR IN / OUT | 2 x XLR with loop |
| Input / output NET | | NET IN /NET OUT (EtherCon) | NET IN /NET OUT (EtherCon) | NET IN / NET OUT (EtherCon) |
| POWER SUPPLY SPEC. | | | | |
| AC Power requirements | W | 640 | 640 | 650 |
| Power cord | mt. / Ft. | 5 / 16,4 | 5 / 16,4 | 5 / 16,4 |
| MECHANICAL SPEC. | | | | |
| Material | | Cabinet in baltic birch plywood - black polyurea finish | Cabinet in baltic birch plywood - black polyurea finish | Cabinet in baltic birch plywood - black polyurea finish |
| Handles | | Integrated (1 x side) | Integrated (1 x side) | Integrated (3 x side) |
| Net Sizes (WxHxD) | mm / Inch | 612x360x397 | 612x360x397 | |

INFINITO CONTROL OF NETWORKED AUDIO

With the release of Infinito - System Management Suite, FBT redefines the concept of monitoring and remote control. Entirely developed by the FBT Research and Development team, Infinito is dedicated to next-generation products, such as active speakers, matrix processors, and processed power amplifiers. Infinito uses a TCP/IP protocol over Ethernet infrastructure, based on the open standard AES70 of the OCA Alliance.

More than 100 devices can be connected on the same network, with automatic IP address assignment and cascade connection with hardware bypass function. Infinito promises accurate control and monitoring of the status of each connected device in real-time, providing the user with immediate feedback, also via touch-oriented graphical interface.

The multi-level control menu offers the possibility to focus on an overview of the entire system or on the parameters of a single device. The system guarantees two grouping processes, Basic and Advanced, that allow users to create groups of devices and control them with two different levels of detail, making it easy to assign and use the devices.

Additional flexibility is guaranteed by the innovative graphic interface of Infinito, based on three operating modes: SETUP, TUNING and SHOW. Each of these is protected by security passwords, to avoid unintentional parameter changes.



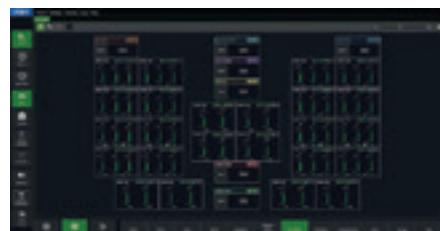
INFINITO SYSTEM MANAGEMENT SUITE REDEFINES THE TRACKING OF AUDIO SYSTEMS THROUGH THREE MODALITIES



SETUP IDEATION OF THE PROJECT

The software starts by default in the SETUP modality, the beginning of every new Infinito acoustic project that enables the system configuration.

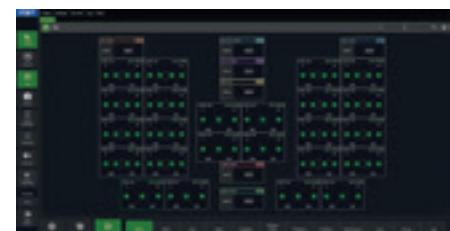
- Scan and identify the connected devices
- Connect the devices to their related object in workspace
- Create and manage the BASIC and ADVANCED groups



TUNING SETTING OF THE PARAMETERS

The summary panel of the entire system is customizable and it gives the user immediate feedbacks. The LIVE feature sends the setting to each device in real time.

- Full access to all acoustic parameters on any device and group
- Sync feature applied to every device
- Create and manage the scenes



SHOW MANAGEMENT OF THE SYSTEM WHILE PERFORMING

Realtime monitoring of: internal sensors and status of connected devices, Vu-meters IN/OUT, parameters, groups and alerts.

- Password restrictions to access devices and group parameters
- Tracking of each system variable
- Simplified display mode

Other important features include: night/day graphical setting, scene saving and recall.

Download the INFINITO SYSTEM MANAGEMENT SUITE software at the website www.fbt.it

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