



# MITUS 112A

## APPLICATIONS

- Live sound PA system or Live sound monitor, DJ system
- School and corporate audio visual sound reinforcement
- Background music/announcement: Restaurants, Pubs, Transportation terminals, Clubs, Auditorium, Theatres
- Gyms, Houses of worship

## FEATURES

- 15mm / 0.59" baltic birch plywood cabinet
- Class D built-in amplifier 600W RMS LF, 300W RMS HF
- 12" B&C neodymium woofer with 3" voice coil
- 1" exit B&C neodymium driver with 1.7" voice coil
- 80° H x 50° V rotatable horn
- Input panel with XLR in&link, volume, preset, HP filter, GND lift
- SPL capability: 133dB
- Frequency response 46Hz to 20kHz
- 12 x M10 fly points
- Completely Manufactured in Italy

## PROCESSED ACTIVE SPEAKER



## PRODUCT DESCRIPTION

The FBT MITUS 112A two-way bi-amplified speaker system shall incorporate 1 x 12" B&C neodymium woofer with 3" voice coil and 1" exit B&C neodymium driver with 1.7" voice coil coupled to a rotatable 80° x 50° horn; thanks to the rotatable HF horn it is possible to create horizontal arrays of 2 enclosures for a total coverage of 130°. The FBT MITUS 112A shall meet the following performance criteria: Frequency response of 50Hz to 20kHz, Maximum SPL of 133dB, 600W RMS + 300W RMS class D amplifiers. The FBT MITUS 112A provides a DSP with 8 EQ presets. The FBT MITUS 112A feature 0.59" baltic birch plywood construction covered in a scratch & scuff resistant black finish; the front shall be protected by a heavy duty metal grille with anti-resonance spacers and exclusive synthetic cloth to protect the drivers. The control panel provides XLR input & link, level, preset, HP filter and GND lift. The 12 M10 anchoring points built into the cabinet allow the FBT MITUS 112A speaker to be surface mounted on ceilings and a standard 1.38" speaker stand socket allows the FBT MITUS 112A to be mounted on speaker stands.

## ELECTRICAL PERFORMANCE

System Type	2-way - bi-amplified
Built-in Amplifiers LF / HF *	cont.: 400W RMS / 200W RMS max.: 600W RMS / 300W RMS peak.: 1200W / 600W
Frequency Response @ -6dB	50Hz - 20kHz
Input Impedance	22kOhm
Maximum SPL ( cont. / peak ) **	126dB / 133dB
Dispersion	80° H x 50° V
Crossover Frequency	1.5 kHz
AC Power requirement	640 VA

## PHYSICAL

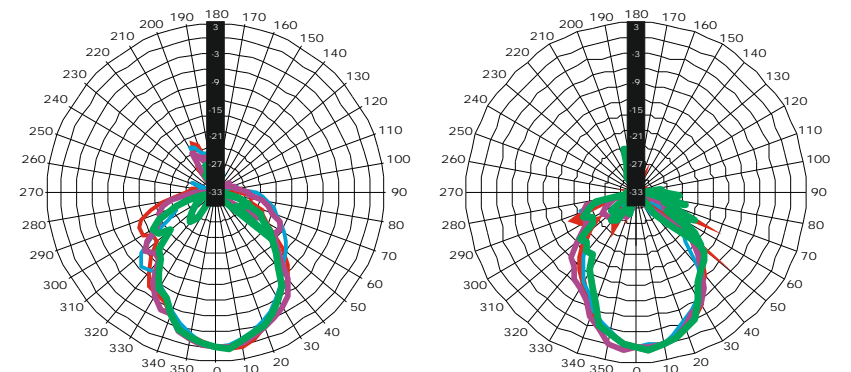
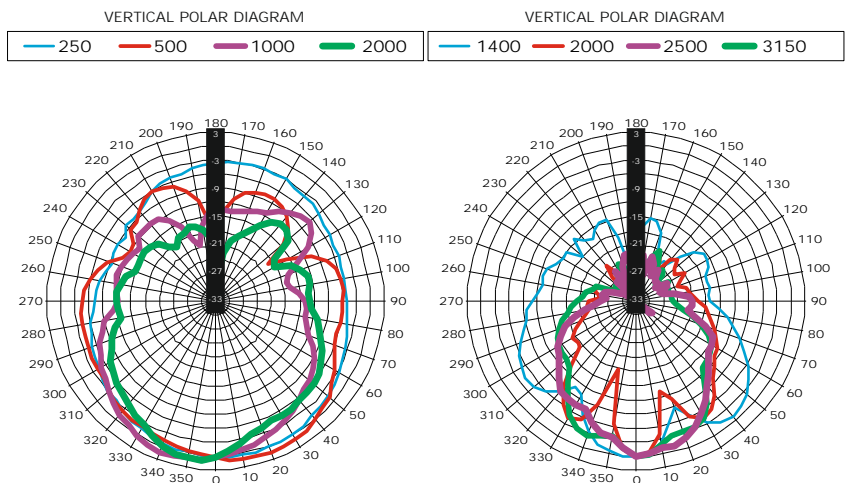
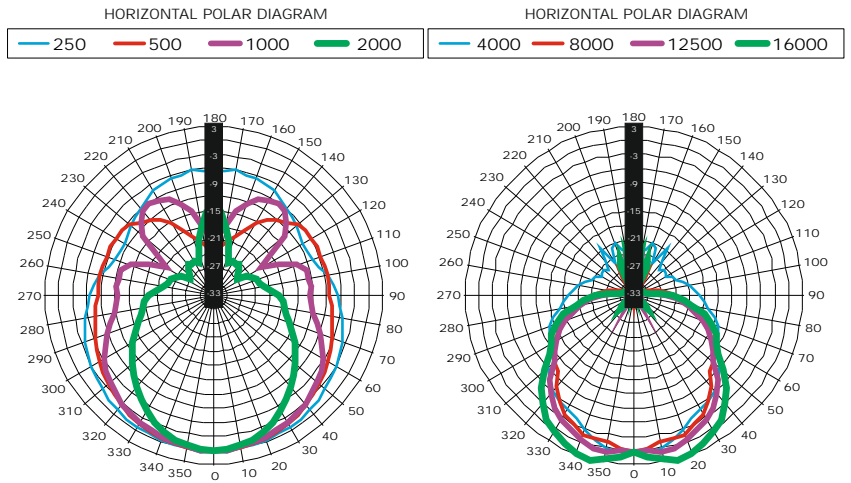
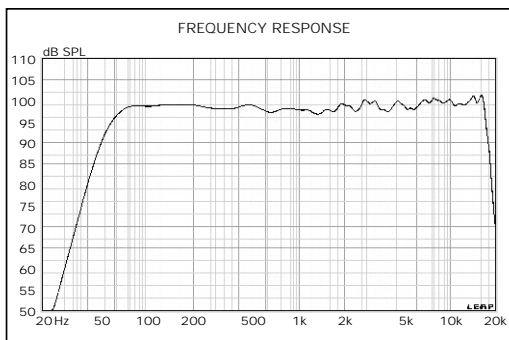
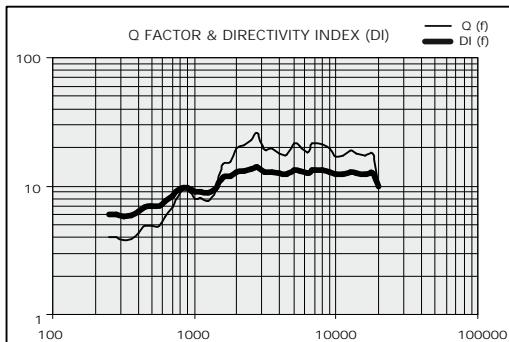
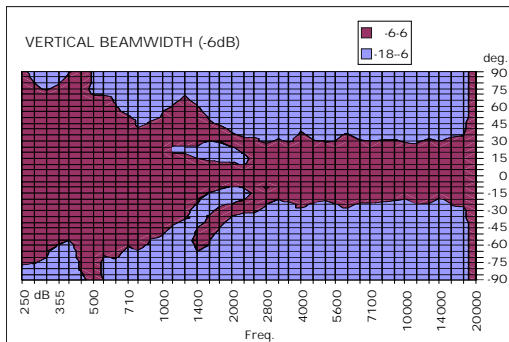
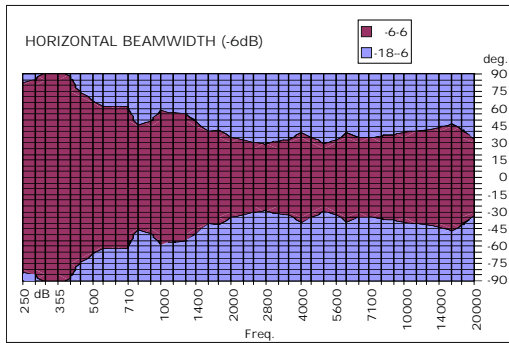
Low Frequency Woofer	1 x 12" - 3" coil
High Frequency Driver	1 x 1" - 1.7" coil
Input Connectors	XLR with loop
Net Dimensions (WxHxD)	15" x 26" x 15" 380 x 660 x 380mm
Shipping Dimensions (WxHxD)	19.29" x 29.52" x 19.29" 490 x 750 x 490mm
Net Weight	45 lbs / 20 kg
Shipping Weight	48.5 lbs / 22 kg
Enclosure Material	birch plywood
Power cord	5 mt.

\* 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



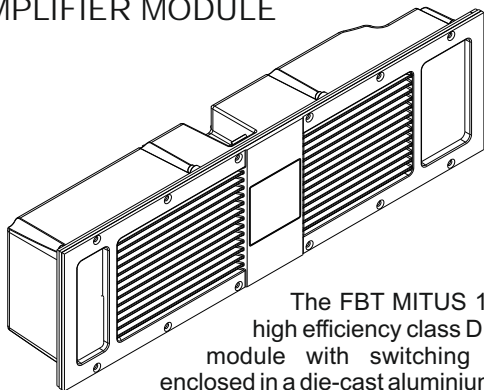
## DIAGRAMS





# MITUS 112A

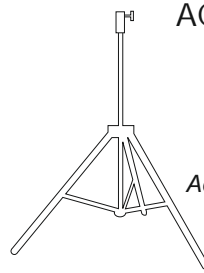
## AMPLIFIER MODULE



The FBT MITUS 112A provides a high efficiency class D power amplifier module with switching power supply enclosed in a die-cast aluminium chassis.

This provides maximum protection of the electronics from dust or dirt, prevents air loss through the input control panel that can cause fastidious noise, and it maximizes heat dissipation avoiding the use of a fan to cool the circuitry.

## ACCESSORIES



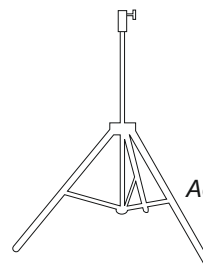
**BOX 22BK**

*Adjustable aluminum floor stand  
Ø 1.38" with Ø 1" adapter  
max. weight 88lb.*



**BOX 62BK**

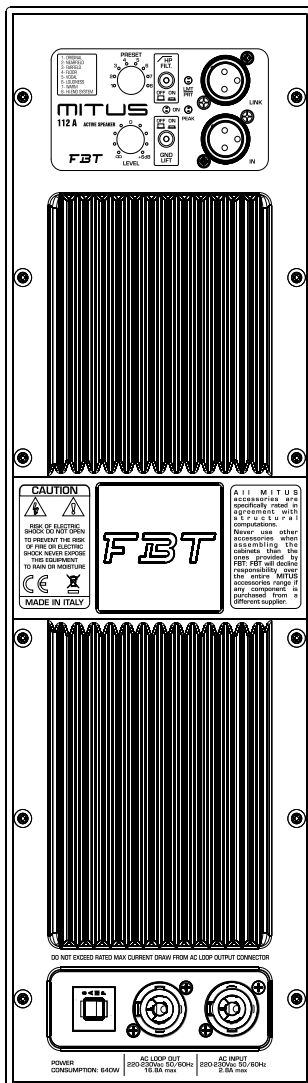
*Adjustable for sub-satellite  
speaker connection with  
safety locking device Ø 1.38" M20*



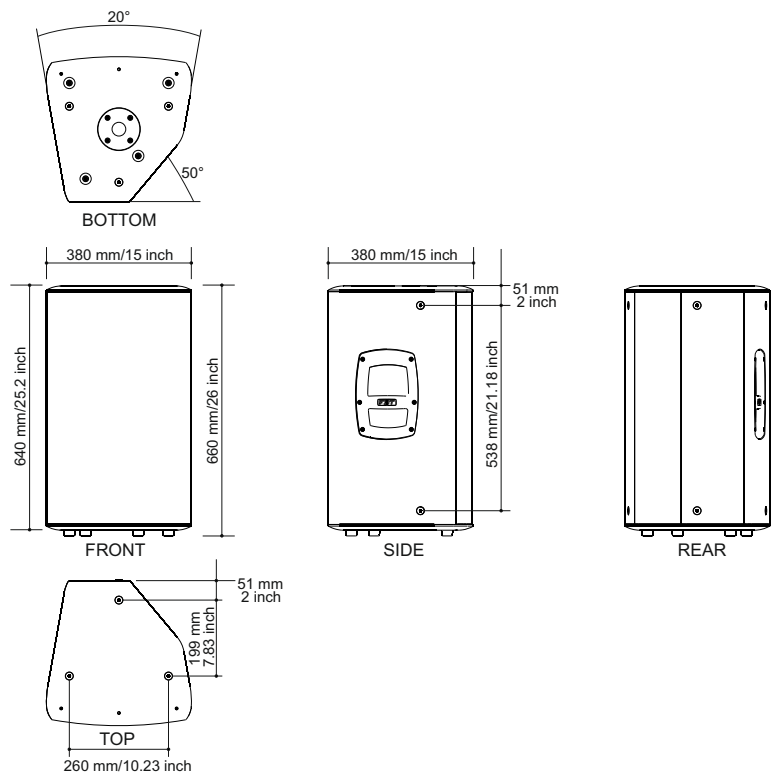
**BOX 32BK**

*Adjustable aluminum floor stand  
damped safety mechanism  
max. weight 154lb.*

## CONNECTION PANEL



## DIMENSION DRAWING





**MITUS**  
118SA

## 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

## FEATURES

- 18mm / 0.70" birch plywood enclosure
- 1200W RMS class D amplifier
- 460mm/18" custom B&C neodymium magnet with  
75mm/3" coil
- Frequency response 36Hz - 100Hz
- Input panel with XLR in & link, volume, preset, delay,  
phase, GND lift
- SPL capability 139dB
- 4 swivel mount casters 3.15" on request
- 8 M10 fly points
- Completely Manufactured in Italy

## PROCESSED ACTIVE SUBWOOFER



## PRODUCT DESCRIPTION

The FBT MITUS 118SA, 18" compact vented band-pass subwoofer is the perfect low-frequency extension for the MITUS range and the ideal companion for the FBT MITUS 206LA line array for ground stack applications with optional metal base. The FBT MITUS118SA shall meet the following performance criteria: Frequency response of 36Hz to 100Hz, Maximum SPL of 139dB peak, Class D amplifier 1200W RMS. The FBT MITUS 118SA provides a DSP with 8 presets-cardioid and infra configurations. The FBT MITUS 118SA feature 0.70" Baltic birch plywood construction covered in a scratch resistant black paint with eight M10 fly points, M20 top-mounted stand adapter and two FBT design aluminium handles. The control panel provides XLR in & link, volume control, preset, delay, phase 0° - 180°, GND lift.

## ELECTRICAL PERFORMANCE

System Type:	vented band pass
Built-in Amplifier*	cont: 800W RMS max: 1200W RMS peak: 2400W RMS
Frequency Response @ -6dB	36Hz - 100Hz
Input Impedance	22k Ohm
Maximum SPL (continuous/peak) **	135dB / 139dB
Dispersion	omnidirectional
Crossover Frequency	preset dependant
AC Power Requirement	640 VA

## PHYSICAL

Low Frequency Woofer	1 x 18" - 3" coil
Input Connectors	XLR with loop
Net Dimensions (WxHxD)	22.6" x 23.4" x 28.7" 574 x 594 x 730mm
Shipping Dimensions (WxHxD)	30.7" x 29.92" x 25.19" 640 x 760 x 780mm
Net Weight	103.6 lbs / 47 kg
Shipping Weight	123.9 lbs x 56.2 kg
Enclosure Material	birch plywood

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

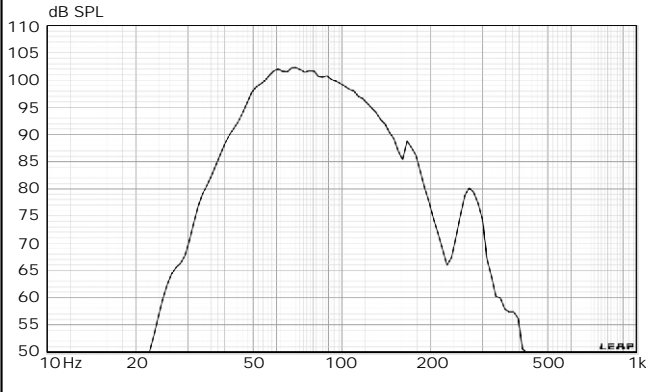


# MITUS

118SA

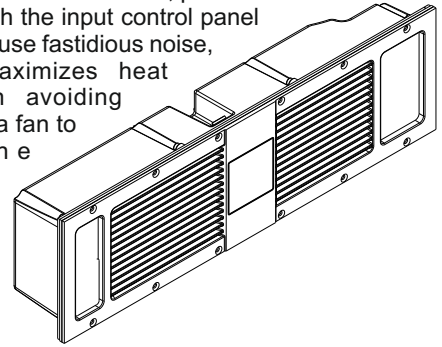
## DIAGRAMS

FREQUENCY RESPONSE

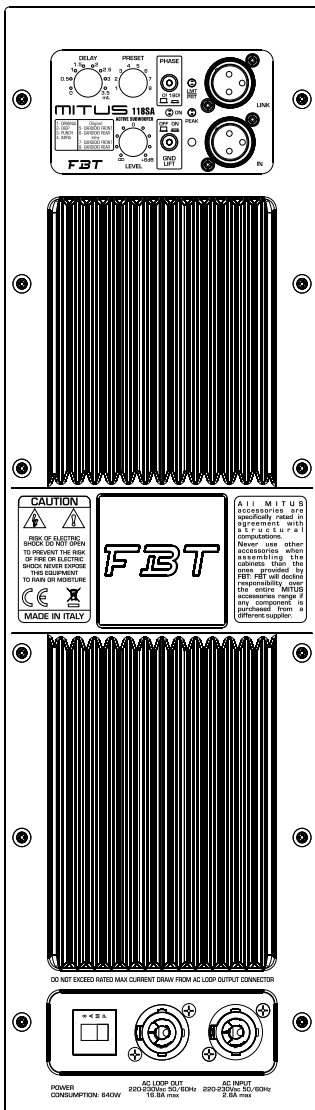


## AMPLIFIER MODULE

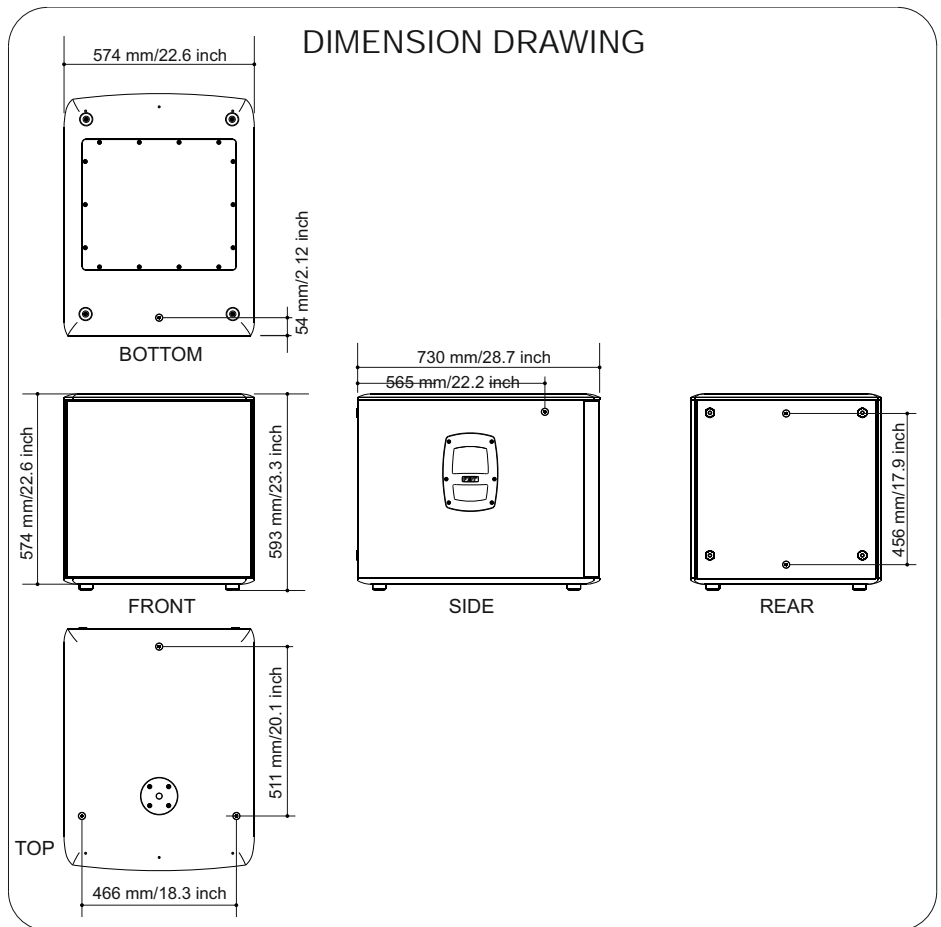
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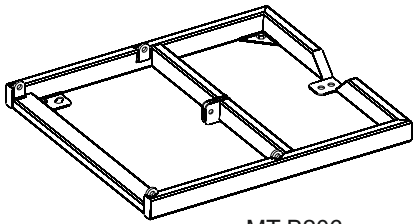
## CONNECTION PANEL



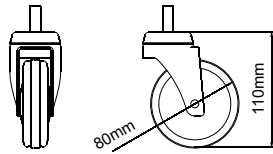
## DIMENSION DRAWING



## ACCESSORIES



**MT B206**  
*Metal base to ground  
MITUS 206LA array or stack  
on MITUS 118SA*



*Swivel wheel for easy  
transport when the metal base  
lays on the ground*

**BOX 62BK**  
*Adjustable, for sub-satellite  
speaker connection with  
safety locking device  
Ø35mm / 1.38"*



## OPTIONAL WHEELS

