

Processed Active Speaker

MAIN 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

MAIN 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



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.

TECHNICAL SPECIFICATIONS

GENERAL

Configuration	way	2 - biamplified
Low frequency woofer	inch	1 x 12 - 3 coil
High frequency driver	inch	1 x 1 - 1.7 coil

ACOUSTIC SPEC.

Frequency response	(@ -6dB)	50Hz - 20kHz
SPL max. (cont / peak)**	dB	126 / 133
Dispersion	H x V	80° x 50°
Crossover Frequency	kHz	1.5

INPUTS / OUTPUTS

Connectors		XLR with loop
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POWER SUPPLY

AC Power requirement	VA	640
Power cord	mt ft	5 16.4

AMPLIFIER

Built-in amplifiers LF - HF (cont./max)*	W RMS	400 - 200 / 600 - 300
Built-in amplifiers LF - HF (peak)*	W	1200 - 600
Input impedance	kOhm	22

MECHANICAL SPEC.

Material		Birch plywood
Net size (WxHxD)	mm inch	380 x 660 x 380 15 x 26 x 15
Net weight	kg Lbs	20 45

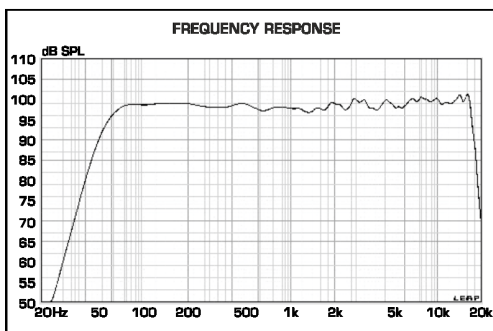
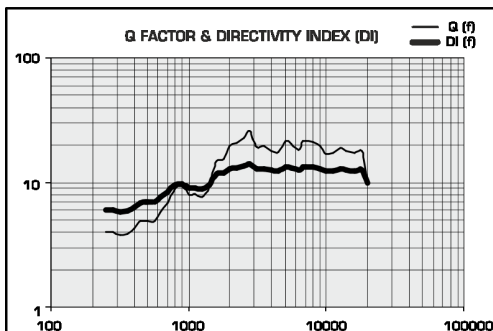
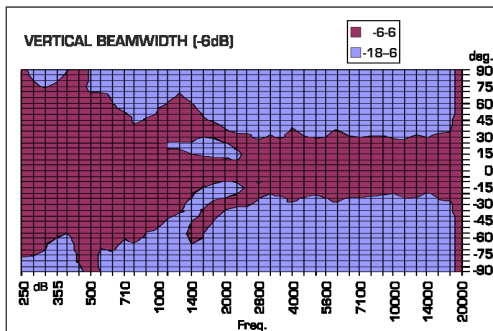
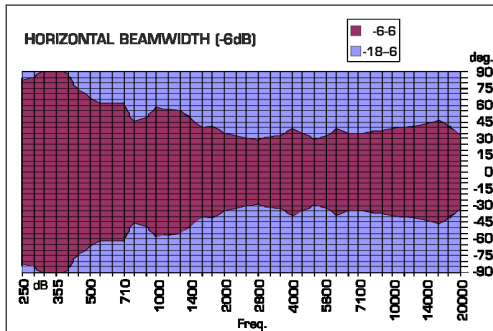
*CONT.: 500mS, rms power on nominal speaker impedance / MAX.: 2mS burst, rms power on nominal speaker impedance / MAX PEAK: based on max peak output voltage and nominal speaker impedance

**CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125mS time average

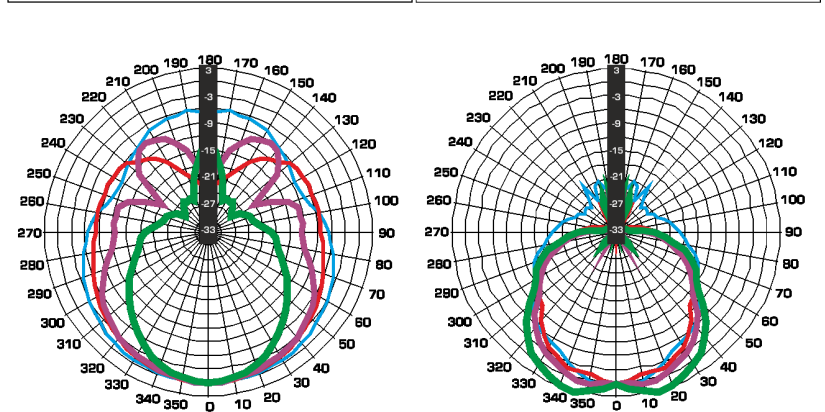
PEAK SPL : free space, based on short term applicable power rating and system peak sensitivity, 10mS time average

FBT S.p.A. strive to improve their products continuously, and therefore reserve the right to make changes to the drawings and technical specifications at any time and without notice.

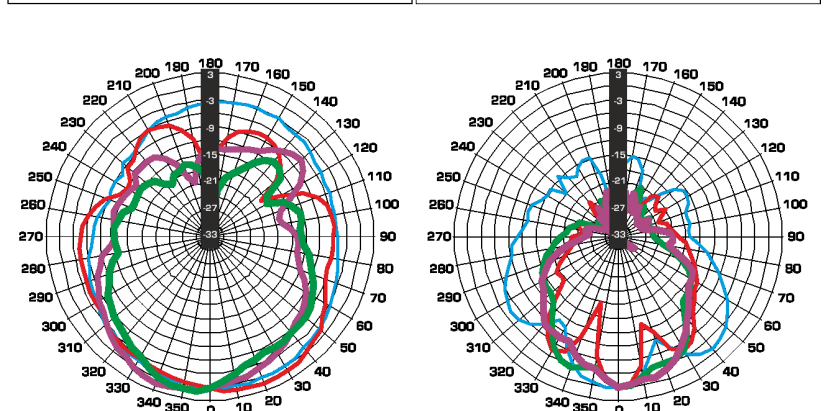
DIAGRAMS



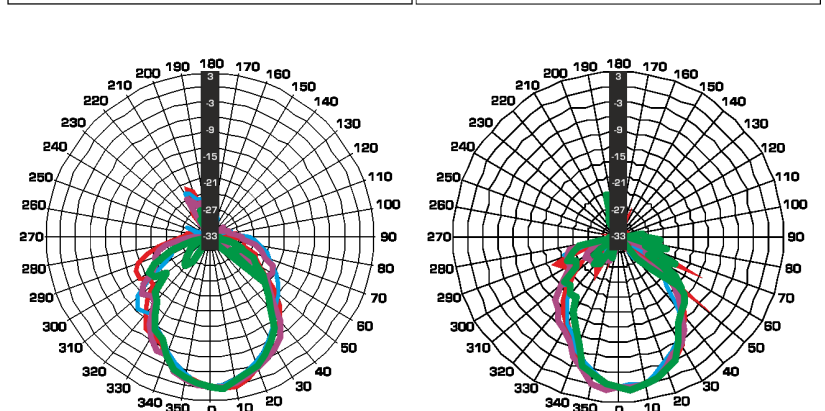
HORIZONTAL POLAR DIAGRAM



VERTICAL POLAR DIAGRAM

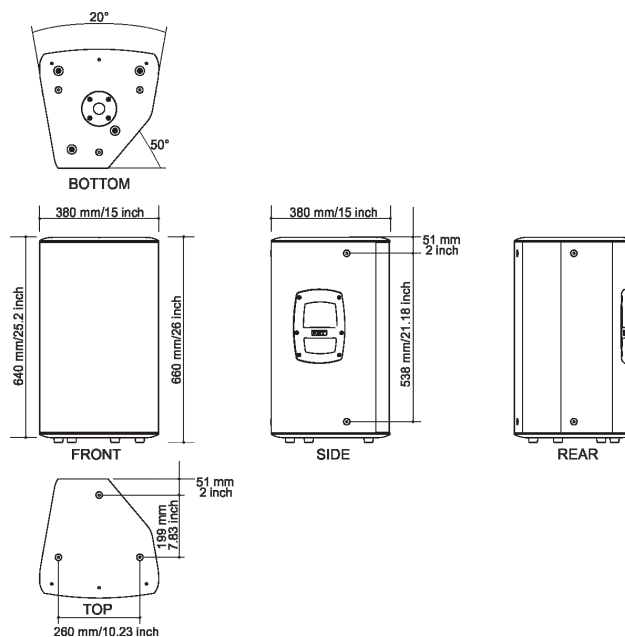
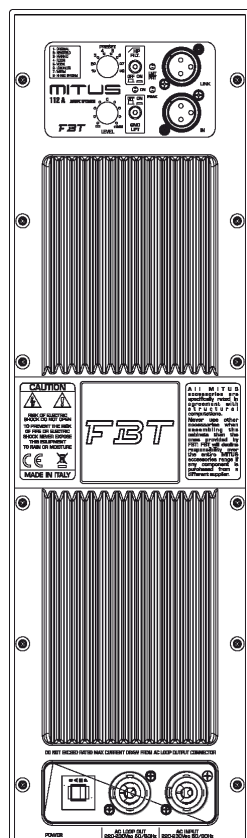


VERTICAL POLAR DIAGRAM



CONNECTION PANEL

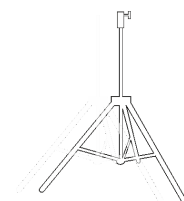
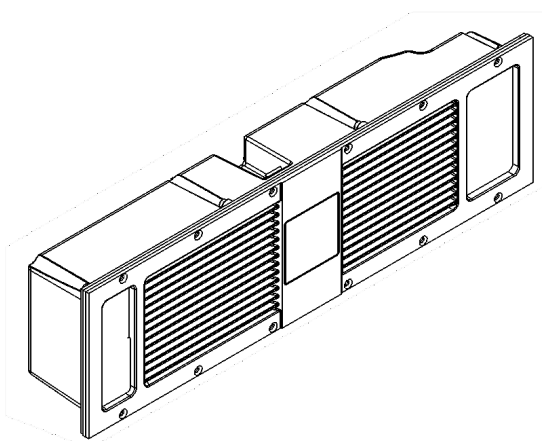
DIMENSION DRAWING



AMPLIFIER MODULE

ACCESSORIES

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.



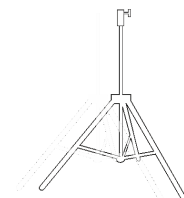
BOX 22BK

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 22BK

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