

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 & clubs
 - Transportation terminals
 - Auditorium and theatres
 - Gyms
 - Houses of worship

MAIN FEATURES

- 15" B&C neodymium woofer with 3" coil
- 2" B&C neodymium driver with 2.5" coil
- Class D built-in amplifier: 1100W RMS / 250W RMS
- MAX SPL: 136dB
- Frequency response: 45Hz to 20kHz
- 60° H x 40° V rotatable horn
- Input panel with XLR IN & Link, volume, preset, delay, HP filter, 3 status led (on, peak, lmt/prt)
- 12 x M10 fly points
- 0.59" (15mm) baltic birch plywood cabinet
- Completely manufactured in Italy



DESCRIPTION

The FBT MITUS 152A two-way bi-amplified speaker system shall incorporate 1 x 15" B&C neodymium woofer with 3" voice coil and 2" exit B&C neodymium driver with 2.5" voice coil coupled to a rotatable 60° x 40° horn; thanks to the rotatable HF horn it is possible to create horizontal arrays of 2 enclosures for a total coverage of 100°. The FBT MITUS 152A shall meet the following performance criteria: Frequency response of 45Hz to 20kHz, Maximum SPL of 136dB, 1100W RMS + 250W RMS class D amplifiers. The FBT MITUS 152A provides a DSP with 6 EQ presets. The FBT MITUS 152A features 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, delay, HP filter. The 12 M10 anchoring points built into the cabinet allow the FBT MITUS 152A speaker to be surface-mounted on ceilings, and a standard 1.38" speaker stand socket allows the FBT MITUS 152A to be mounted on speaker stands.

TECHNICAL SPECIFICATIONS

GENERAL

Code		35959
Configuration	way	2 - biamplified
Low frequency woofer	inch	15 -3 coil
High frequency driver	inch	2 - 2.5 coil

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	45 - 20k
Crossover frequency	Hz	1.2k
MAX SPL (cont/peak)**	dB	129 / 136
Dispersion	H x V	60° x 40°

INPUTS & OUTPUTS

Input connectors		XLR IN & Link with loop
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POWER SUPPLY

AC power requirement	VA	800
Power cord	mt ft	5 16.4

AMPLIFIER

Built-in amplifiers cont. (LF/HF)*	W RMS	700 / 200
Built-in amplifiers max (LF/HF)*	W RMS	1100 / 250
Built-in amplifiers peak (LF/HF)*	W	2200 / 500
Input impedance	Ohm	22k

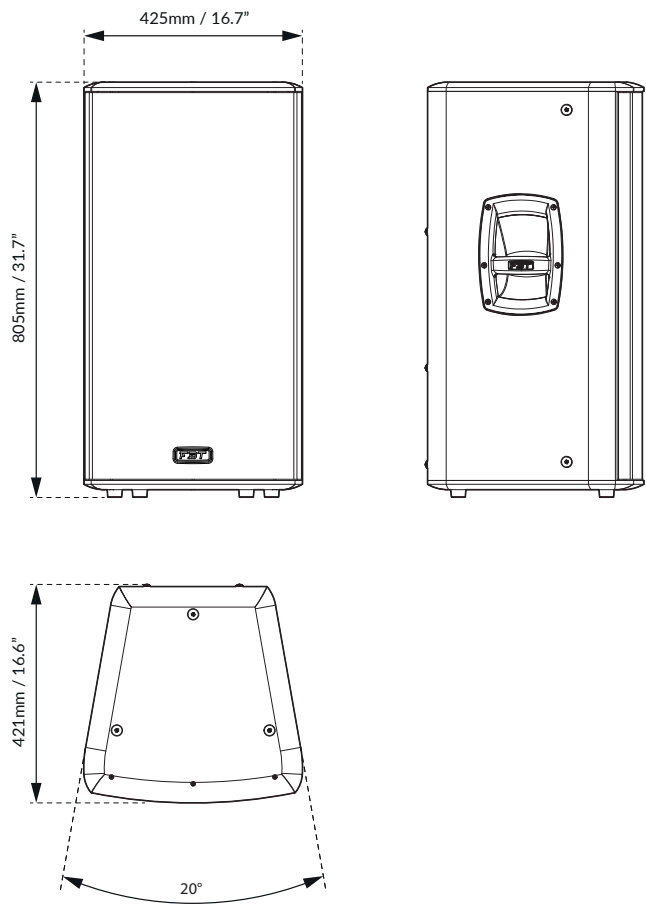
MECHANICAL SPECIFICATIONS

Material		0.59" (15mm) birch plywood
Net dimensions (WxHxD)	mm inch	425 x 805 x 421 16.7 x 31.7 x 16.6
Transport dimensions (WxHxD)	mm inch	600 x 930 x 520 23.62 x 36.61 x 20.47
Net weight	kg lb	36.6 80.68
Transport weight	kg lb	40.50 89.28

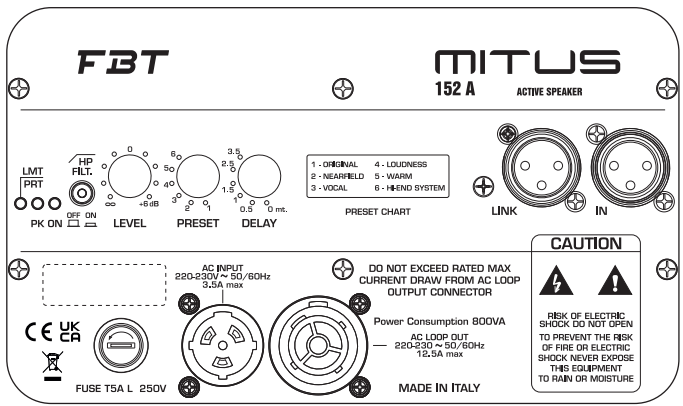
* CONT.: 500mS, RMS power on nominal speaker impedance / MAX.: 2mS burst, RMS power on nominal speaker impedance / MAX PEAK: based on max peak output voltage and nominal speaker impedance

** 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

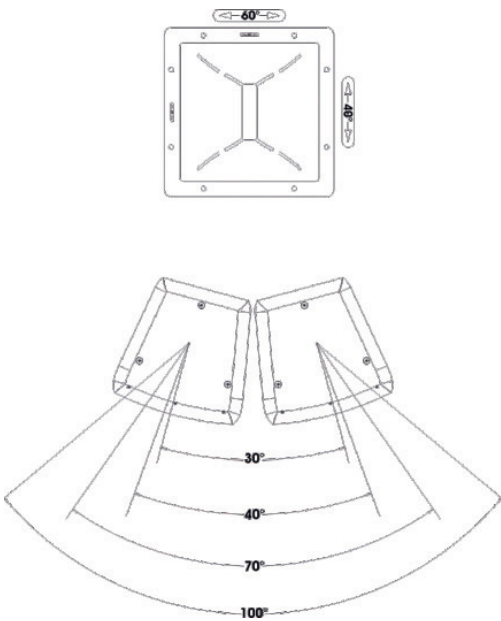
DIMENSIONAL DRAWING



CONNECTION PANEL



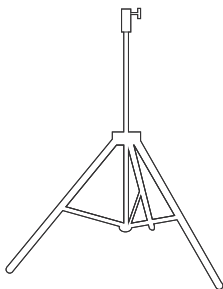
ROTATABLE HORN



ACCESSORIES

MSA 310BK

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



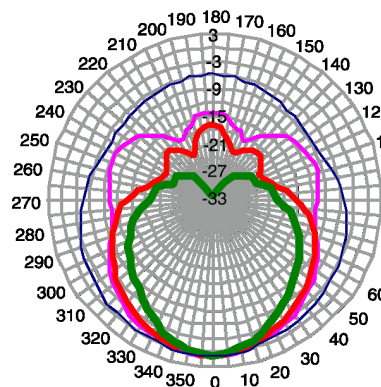
MSA 220BK

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

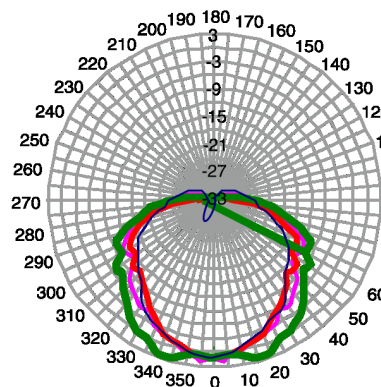


DIAGRAMS

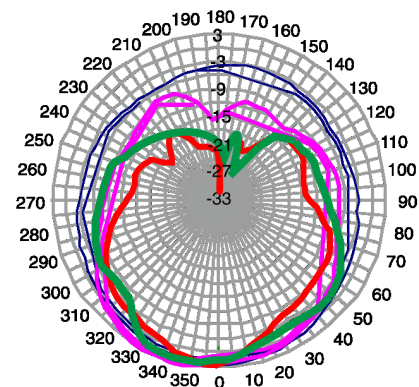
Horizontal polar diagrams



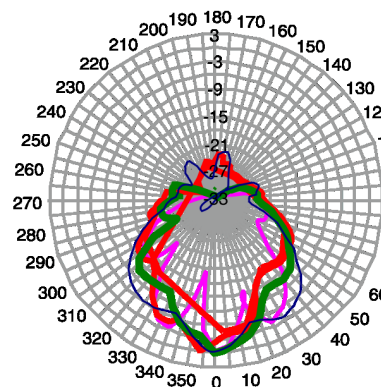
Horizontal polar diagrams



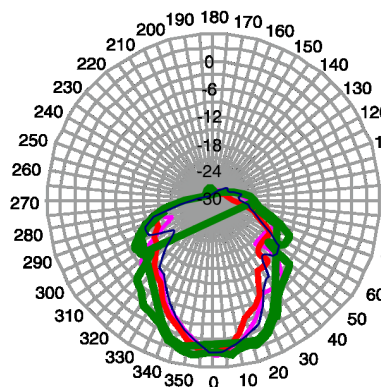
Vertical polar diagrams



Vertical polar diagrams



Vertical polar diagrams



Vertical polar diagrams

