

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

MAIN FEATURES

- 15mm / 0.59" Baltic birch plywood cabinet
- Recommended amplifier: 800W RMS / 8 Ohm
- 15" B&C neodymium woofer with a 3" voice coil
- 2" exit B&C neodymium driver with a 2.5" voice coil
- 60° H x 40° V rotatable horn
- Input panel with 2 x Neutrik Speakon NL-4MDV in & link
- SPL capability: 132dB
- 12 x M10 fly points
- Completely manufactured in Italy



DESCRIPTION

The FBT MITUS 152 two-way passive reinforcement speaker system shall incorporate 1 x 15" B&C neodymium woofer with a 3" voice coil and a 2" exit B&C neodymium driver with a 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 152 shall meet the following performance criteria: frequency response of 47Hz to 20kHz, sensitivity of 100dB, maximum SPL of 132dB, and recommended power amplifier of 800W RMS / 8 Ohm. The FBT MITUS 152 passive speaker features 0.59" Baltic birch plywood construction covered in a scratch and 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 high-grade passive internal crossover features "soft-trip" circuitry protection for the LF woofer and HF driver. Input connectors shall be parallel wired Neutrik NL4 Speakon. The 12 M10 anchoring points built into the cabinet allow the FBT MITUS 152 speaker to be surface-mounted on ceilings, and a standard 1.38" speaker stand socket allows the FBT MITUS 152 to be mounted on speaker stands.

TECHNICAL SPECIFICATIONS

GENERAL

Code		35962
Configuration	way	2
Low frequency woofer	inch	15 - 3 coil
High frequency driver	inch	2 - 2.5 coil

ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	47 - 20k
Sensitivity (@1W/1m)	dB	100
MAX SPL (cont/peak)*	dB	128 / 132
Recommended HP filter	Hz - dB oct.	40 - 24
Crossover frequency	Hz	1.2
Dispersion	H x V	60 x 40

INPUTS & OUTPUTS

Input connectors		2 x Neutrik speakon NL4 In & link
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AMPLIFIER

Recommended amplifier	W RMS	800
Long term power (AES)	W	400
Short term power (@IEC 268-5)	W	1400
Nominal impedance	Ohm	8

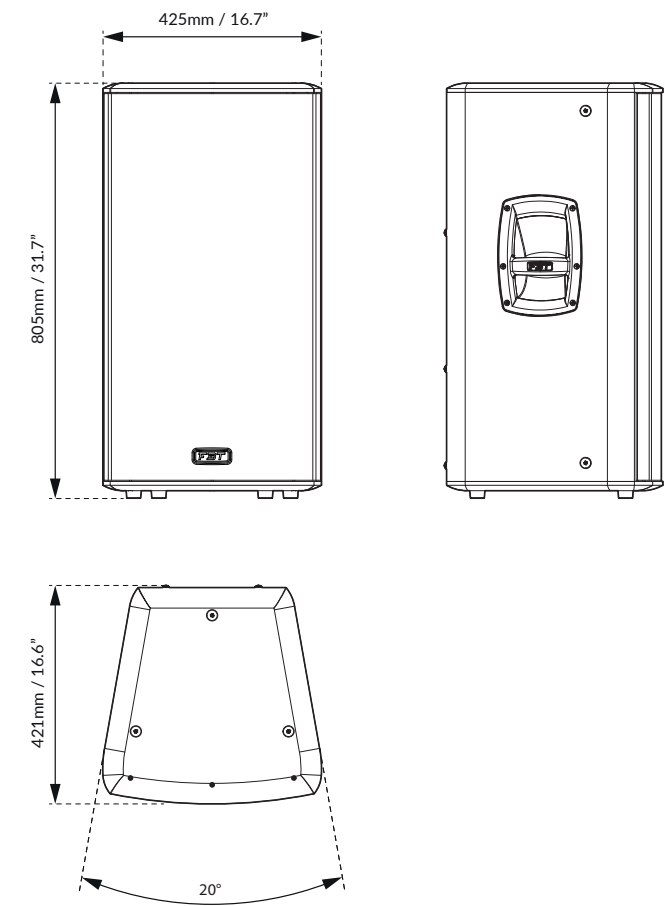
MECHANICAL SPECIFICATIONS

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	32 70.54
Transport weight	kg lb	36 79.36

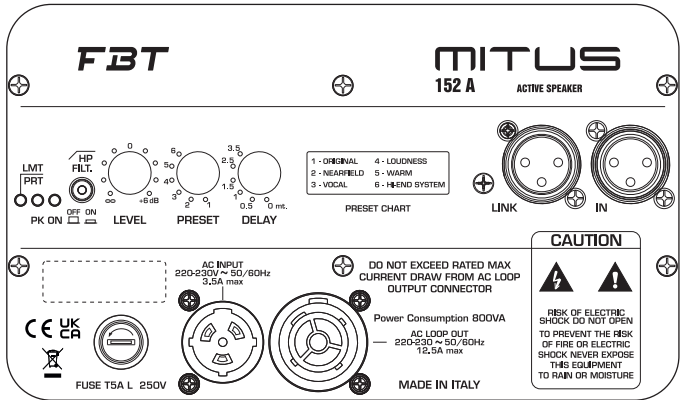
* CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125ms time average.

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

DIMENSIONAL DRAWING



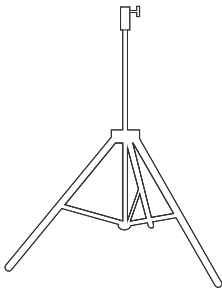
CONNECTION PANEL



ACCESSORIES

MSA 310BK

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



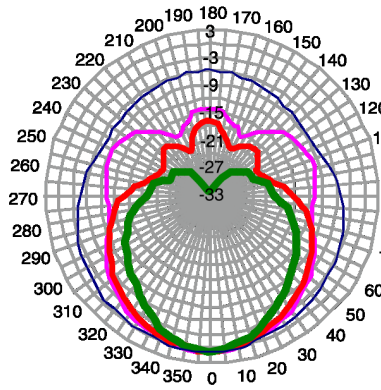
MSA 220BK

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

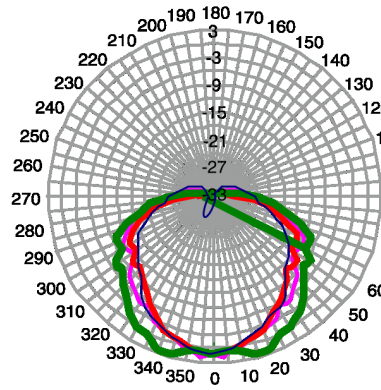


DIAGRAMS

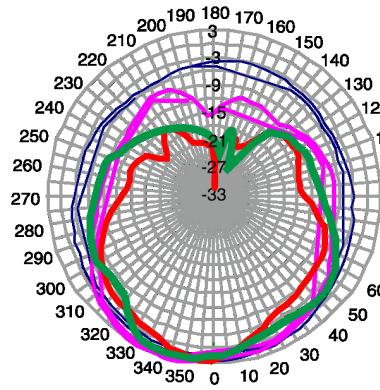
Horizontal polar diagrams



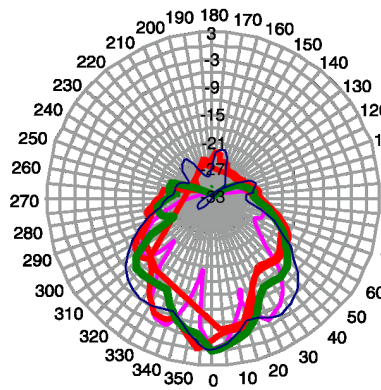
Horizontal polar diagrams



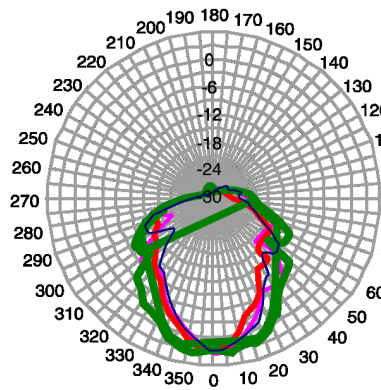
Vertical polar diagrams



Vertical polar diagrams



Vertical polar diagrams



Vertical polar diagrams

