

Passive Reinforcement 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
- Recommended amplifier 800W RMS / 8 Ohm
- 15" B&C neodymium woofer with 3" voice coil
- 2" exit B&C neodymium driver with 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 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 152 shall meet the following performance criteria: Frequency response of 47Hz to 20kHz, Frequency sensitivity of 100dB, Maximum SPL of 132dB, Recommended power amplifier 800W RMS / 8 Ohm. The FBT MITUS 152 passive speaker 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 antiresonance spacers and exclusive synthetic cloth to protect the drivers. The hi-grade passive internal crossover featuring «soft-trip» circuitry protection of 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

Configuration	way	2
Low frequency woofer	inch	1 x 15 - 3 coil
High frequency woofer	inch	1 x 2 - 2.5 coil

ACOUSTIC SPEC.

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

INPUTS / OUTPUTS

Connectors		2 x Speakon NL4 in & throu
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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 SPEC.

Material		0.59 Birch plywood
Net size (WxHxD)	mm	425 x 805 x 421
	inch	16.7 x 31.7 x 16.6
Net weight	kg	32
	Lbs	70.54

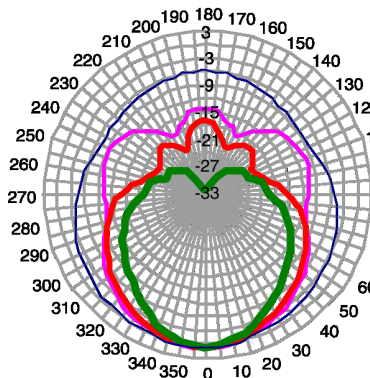
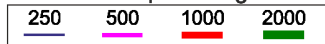
*CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125ms time average

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

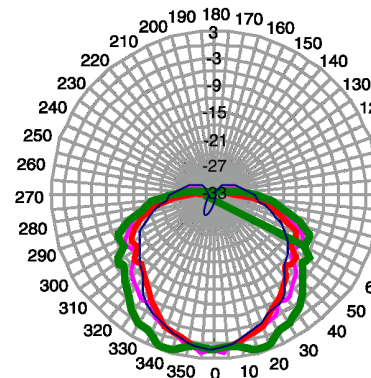
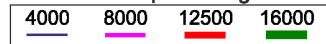
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DIAGRAMS

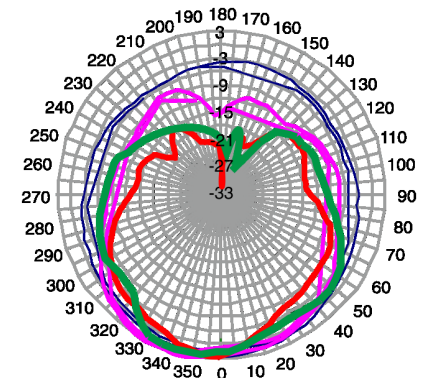
Horizontal polar diagrams



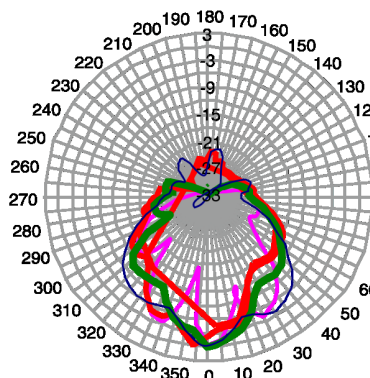
Horizontal polar diagrams



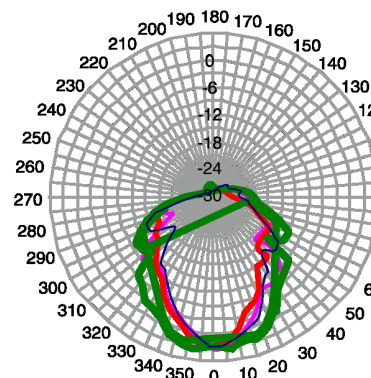
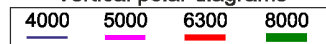
Vertical polar diagrams



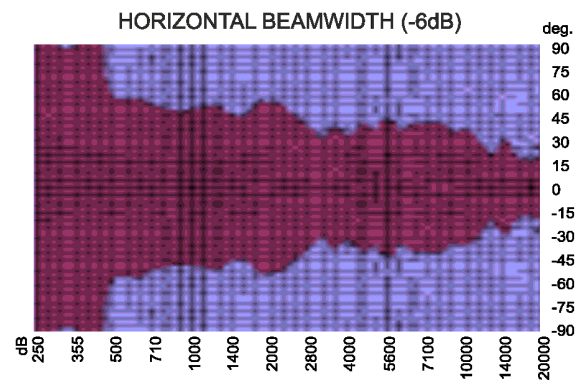
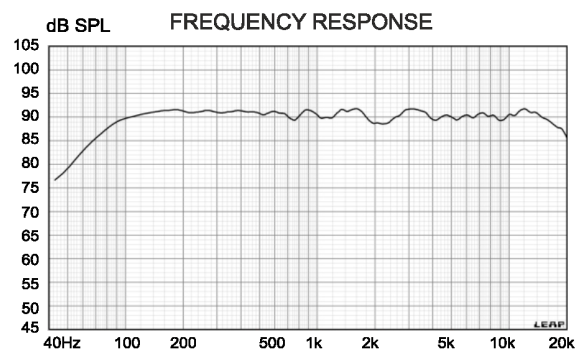
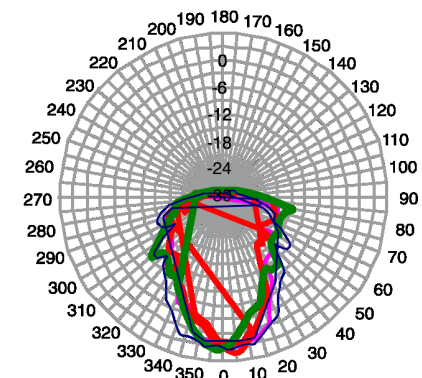
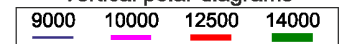
Vertical polar diagrams



Vertical polar diagrams

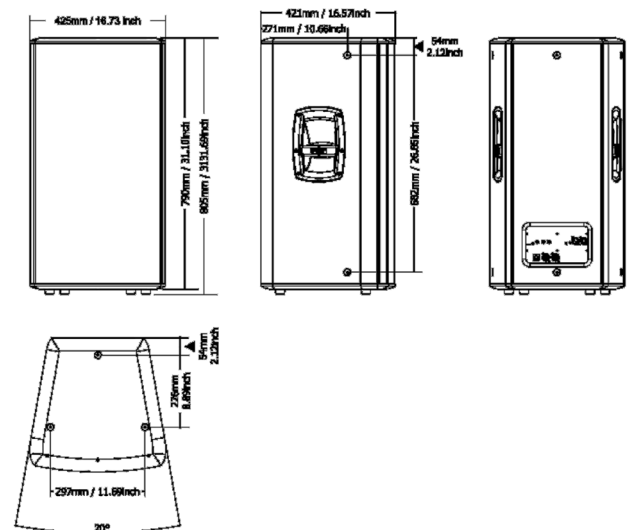
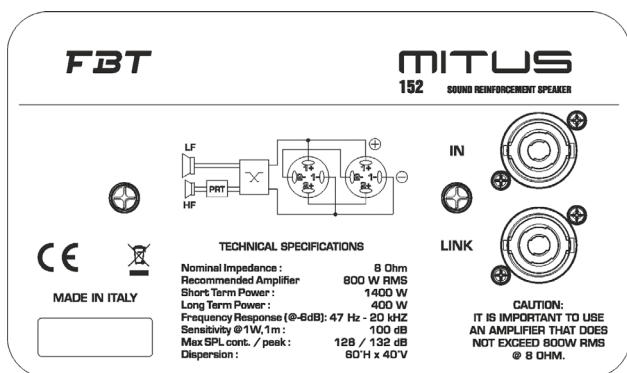


Vertical polar diagrams



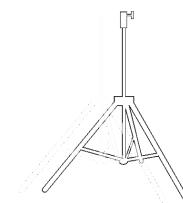
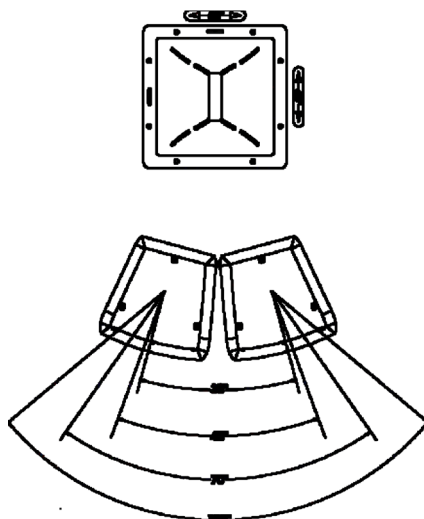
CONNECTION PANEL

DIMENSION DRAWING



ROTATABLE HORN

ACCESSORIES



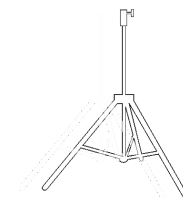
KMS 325

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



FMS 220

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



KMS 300

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