Processed Active Speaker

MAIN APPLICATIONS

- Live sound PA system or Live sound monitor, DJ system
- School and corporate audio visual sound reiforcement
- 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 1100W RMS LF, 250W RMS HF
- 15" B&C neodymium woofer with 3" voice coil
- 2" exit B&C neodymium HF driver with 2.5" voice coil
- 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)
- SPL capability: 136dB
- Frequency response 45Hz to 20kHz
- 12 x M10 fly points
- 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 ne-odymium 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 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, 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

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

ACOUSTIC SPEC.

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

INPUTS / OUTPUTS

Connectors		XLR with loop

POWER SUPPLY

AC Power requirement	VA	800
Power cord	mt ft	5 16.4

AMPLIFIER

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

MECHANICAL SPEC.

Material		Birch plywood
Net size (WxHxD)	mm inch	425 x 805 x 421 16.7 x 31.7 x 16.6
Net weight	kg Lbs	36.5 80.46

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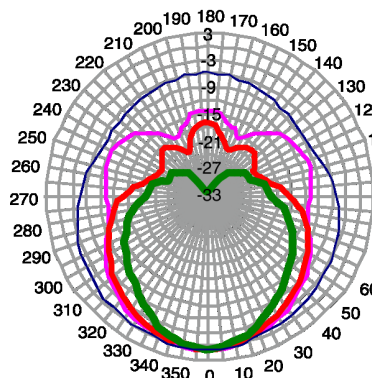
**CONT. SPL: half space, based on continuos power amp rating and LF transducer average sensitivity data, 125mS time average

  PEAK SPL: half space, based on max peak power amp rating and system peak sensitivity, 10mS time average
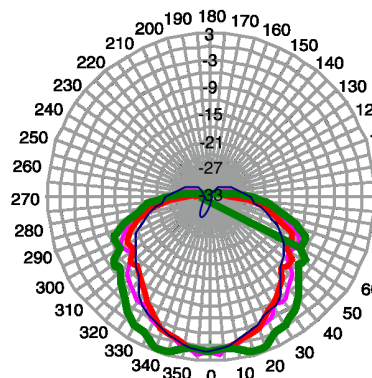
FBT S.p.A. strive to improve their products continuously, and therefore reserve the right to make changes to the drawings and technical specifications at any time and without notice.
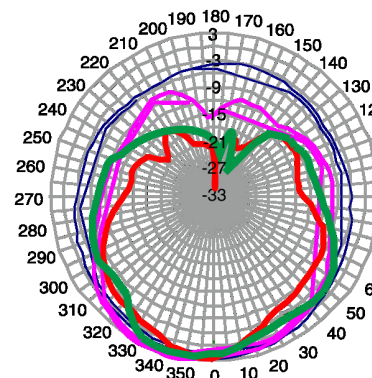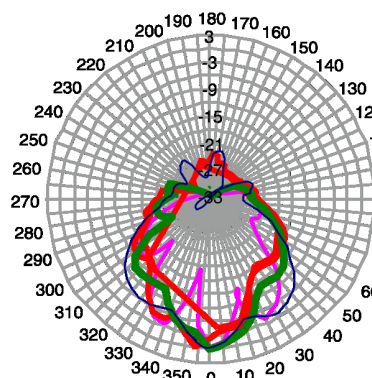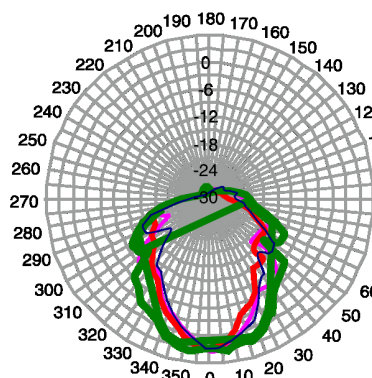
DIAGRAMS

Horizontal polar diagrams
| 250 | 500 | 1000 | 2000 |

Horizontal polar diagrams
| 4000 | 8000 | 12500 | 16000 |

Vertical polar diagrams
| 250 | 500 | 800 | 1000 |

Vertical polar diagrams
| 1400 | 2000 | 2500 | 3150 |

Vertical polar diagrams
| 4000 | 5000 | 6300 | 8000 |

Vertical polar diagrams
| 9000 | 10000 | 12500 | 14000 |

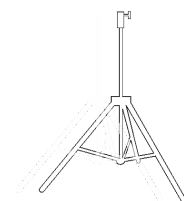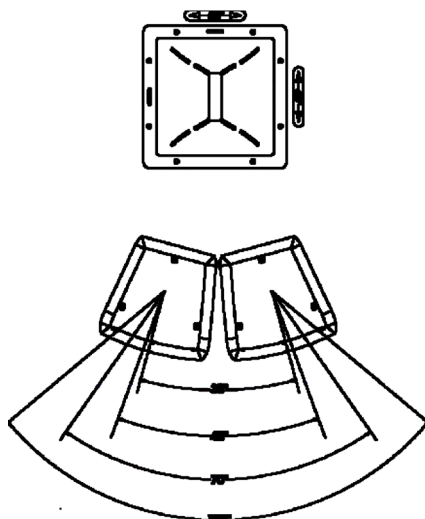### FREQUENCY RESPONSE

HORIZONTAL BEAMWIDTH (-6dB)
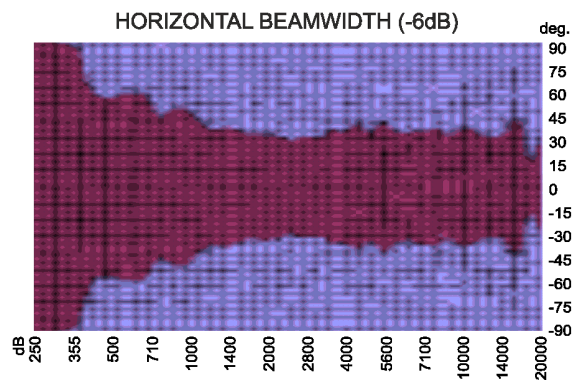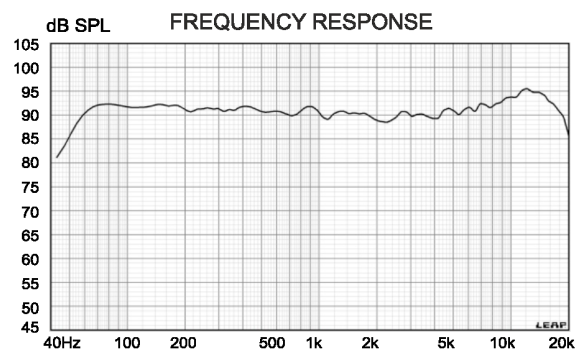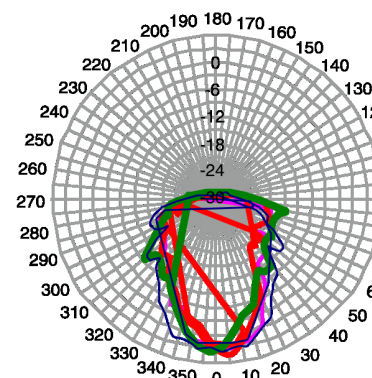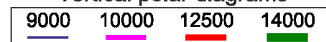
CONNECTION PANEL

DIMENSION DRAWING
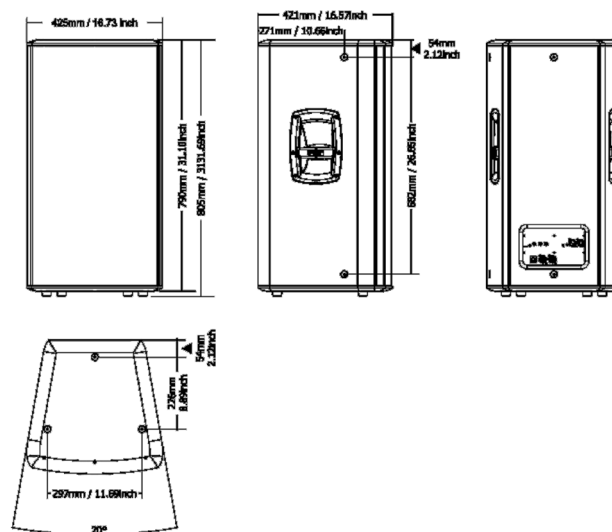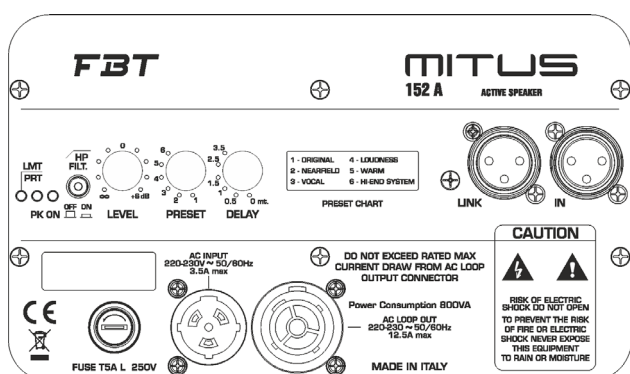
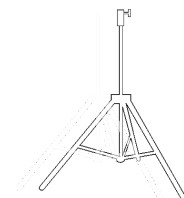## ROTATABLE HORN

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.