

# 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

- 2 x 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: 42Hz 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 215A two-way bi-amplified speaker system shall incorporate 2 x 15" B&C neodymium woofers with 3" voice coils and 2" exit B&C neodymium drivers with 2.5" voice coils 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 215A shall meet the following performance criteria: Frequency response of 42Hz to 20kHz, Maximum SPL of 136dB, 1100W RMS + 250W RMS class D amplifiers. The FBT MITUS 215A provides a DSP with 6 EQ presets. The FBT MITUS 215A 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 215A speaker to be surface-mounted on ceilings.

## TECHNICAL SPECIFICATIONS

### GENERAL

Configuration	way	2 - bi-amplified
Low frequency woofer	inch	2 x 15 - 3 coil
High frequency driver	inch	2 - 2.5 coil

### ACOUSTIC SPECIFICATIONS

Frequency response (@-6dB)	Hz	42 - 20k
Crossover frequency	Hz	1.2k
MAX SPL (cont/peak)**	dB	133 / 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

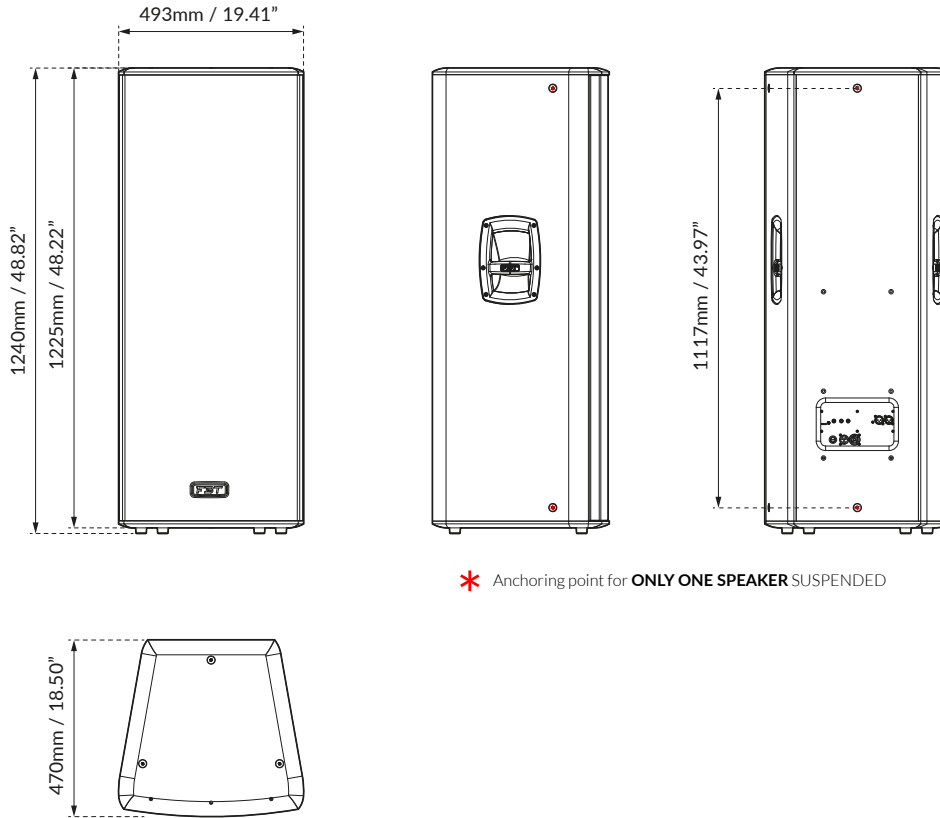
### MECHANICAL SPEC.

Material		0.59" (15mm) birch plywood
Net dimensions (WxHxD)	mm inch	493 x 1240 x 470 19.41 x 48.82 x 18.50
Transport dimensions (WxHxD)	mm inch	618 x 1355 x 610 23.23 x 52.36 x 22.83
Net weight	kg lb	54.50 120.15
Transport weight	kg lb	60.50 133.37

\* 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

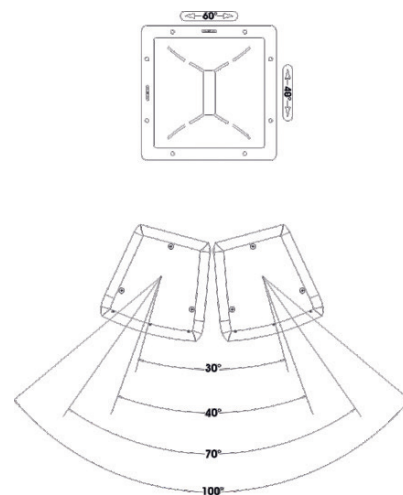
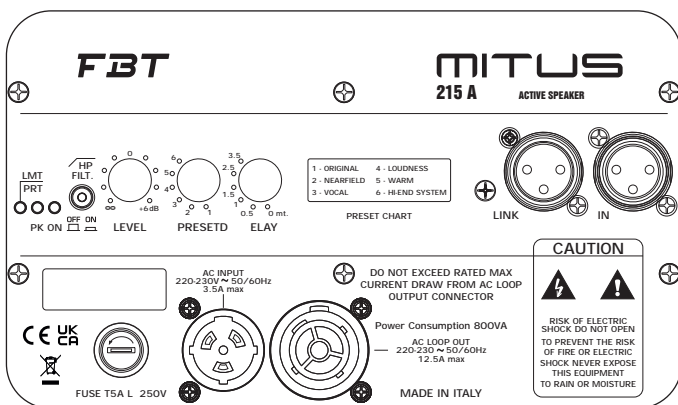
\*\* CONT. SPL: free space, based on continuous power amp rating and LF transducer average sensitivity data, 125mS time average PEAK SPL: free space, based on max peak power amp rating and system peak sensitivity, 10mS time average

**DIMENSIONAL DRAWING**



**CONNECTION PANEL**

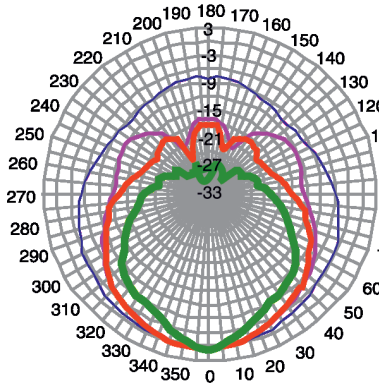
**ROTATABLE HORN**



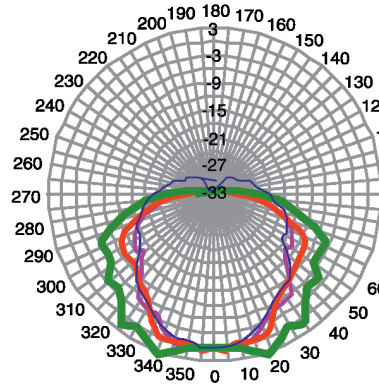
30°----- with 40° horn position  
40°----- with 60° horn position  
70°----- total coverage with 40° horn position  
100°----- total coverage with 60° horn position

**DIAGRAMS**

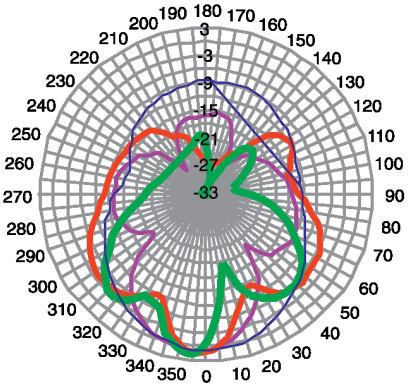
Horizontal polar diagrams



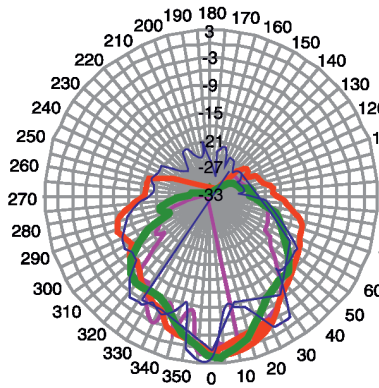
Horizontal polar diagrams



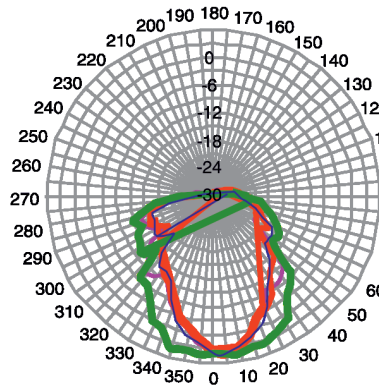
Vertical polar diagrams



Vertical polar diagrams



Vertical polar diagrams



Vertical polar diagrams

