



## 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

## FEATURES

- 15mm / 5/8" baltic birch plywood cabinet
- Recommended amplifier 700W RMS / 8 Ohm
- 12" B&C neodymium woofer with 3" voice coil
- 1" exit B&C neodymium driver with 1.7" voice coil
- 80° H x 50° V rotatable horn
- Input panel with 2 x Neutrik speakon NL-4MDV in & link
- SPL capability: 131dB
- 12 x M10 fly points
- Completely Manufactured in Italy

## PASSIVE REINFORCEMENT SPEAKER



## PRODUCT DESCRIPTION

The FBT MITUS 112 two-way passive reinforcement speaker system shall incorporate 1 x 12" B&C neodymium woofer with 3" voice coil and 1" exit B&C neodymium driver with 1.7" voice coil coupled to a rotatable 80° x 50° horn; thanks to the rotatable HF horn it is possible to create horizontal arrays of 2 enclosures for a total coverage of 130°. The FBT MITUS 112 shall meet the following performance criteria: Frequency response of 55Hz to 18kHz, Frequency sensitivity of 99dB, Maximum SPL of 131dB, Recommended power amplifier 700W RMS / 8 Ohm. The FBT MITUS 112 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 anti-resonance 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 112 speaker to be surface mounted on ceilings and a standard 1.38" speaker stand socket allows the FBT MITUS 112 to be mounted on speaker stands.

## ELECTRICAL PERFORMANCE

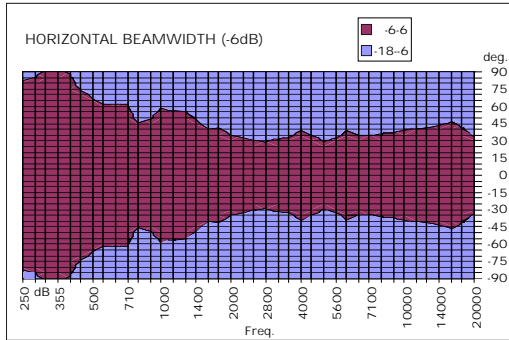
System Type:	2-way
Recommended Amplifier	700W RMS
Long Term Power (AES)	350W
Short Term Power (IEC 268-5)	1200W
Nominal Impedance	8 Ohm
Frequency Response @ -6dB	55Hz - 18kHz
Sensitivity @ 1W, 1m	99dB
Maximum SPL *	CONT. 127dB PEAK 131dB
Dispersion	80°H x 50°V
Crossover Frequency	1.5 kHz
Recommended HP filter	40Hz-24dB oct.

## PHYSICAL

Low Frequency Woofer	1 x 12" - 3" coil
High Frequency Driver	1 x 1" - 1.7" coil
Input Connectors	2 x Speakon NL4 in & thru
Net Dimensions (WxHxD)	15" x 26" x 15" 380 x 660 x 380 mm
Shipping Dimensions (WxHxD)	19.29" x 29.52" x 19.29" 490 x 750 x 490 mm
Net Weight	39.7 lbs / 18 kg
Shipping Weight	44.1 lbs / 20 kg
Enclosure Material	0.59" birch plywood

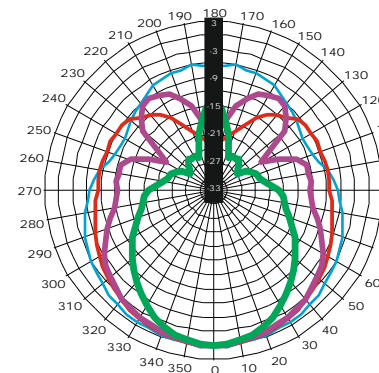
\* CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125mS time average  
PEAK SPL: free space, based on short term applicable power rating and system peak sensitivity, 10mS time average

## DIAGRAMS



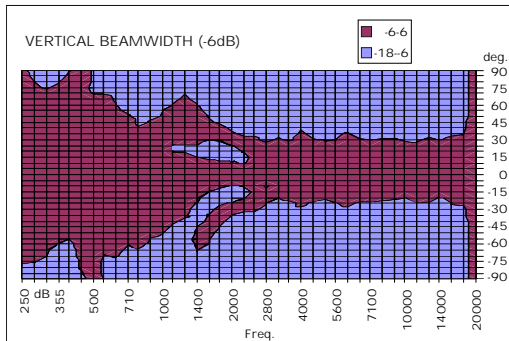
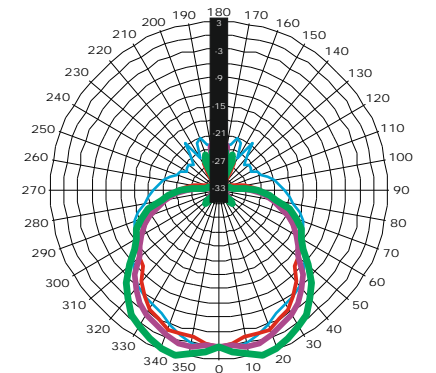
HORIZONTAL POLAR DIAGRAM

— 250 — 500 — 1000 — 2000



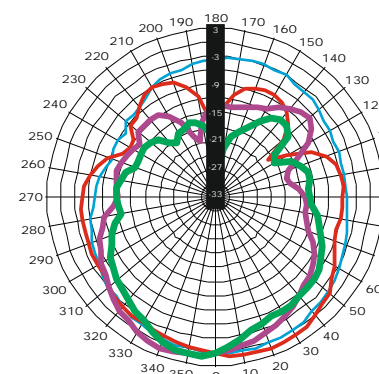
HORIZONTAL POLAR DIAGRAM

— 4000 — 8000 — 12500 — 16000



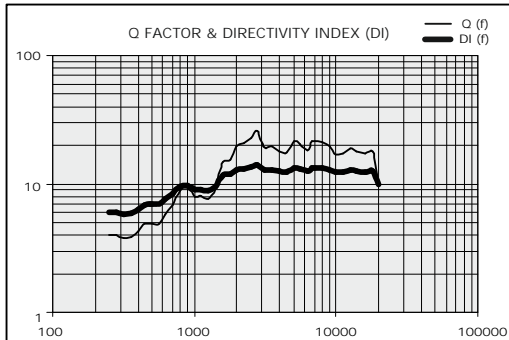
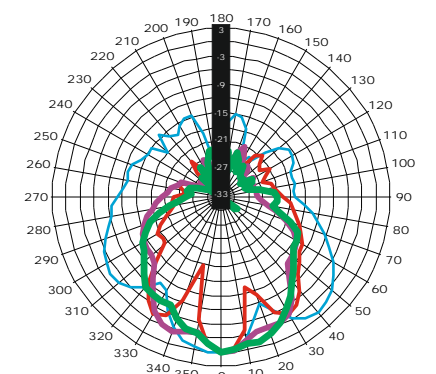
VERTICAL POLAR DIAGRAM

— 250 — 500 — 1000 — 2000



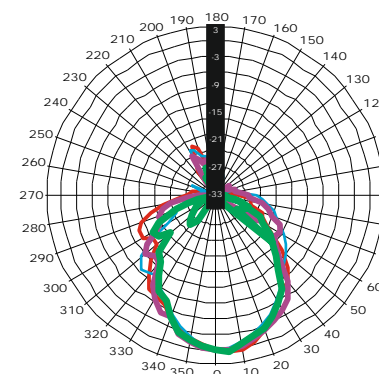
VERTICAL POLAR DIAGRAM

— 1400 — 2000 — 2500 — 3150



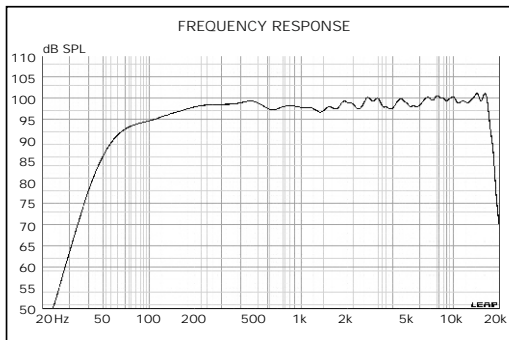
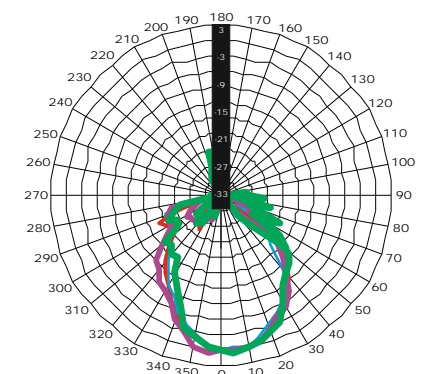
VERTICAL POLAR DIAGRAM

— 4000 — 5000 — 6300 — 8000

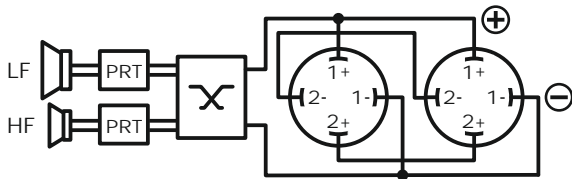
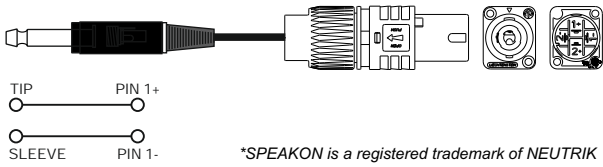


VERTICAL POLAR DIAGRAM

— 9000 — 10000 — 12500 — 14000



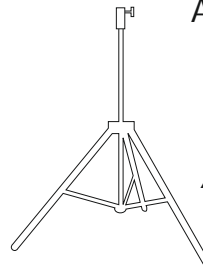
## CONNECTORS



## ACCESSORIES

### BOX 22BK

Adjustable aluminum floor stand  
 $\varnothing$  1.38" with  $\varnothing$  1" adapter  
 max. weight 88lb.



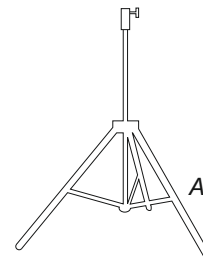
### BOX 62BK

Adjustable for sub-satellite  
 speaker connection with  
 safety locking device  $\varnothing$  1.38" M20



### BOX 32BK

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



## CONNECTION PANEL

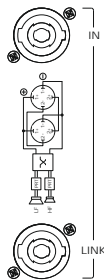
### TECHNICAL SPECIFICATIONS

Nominal Impedance:	8 Ohm
Recommended Amplifier:	700 W RMS
Short Term Power:	1200 W
Long Term Power:	350 W
Frequency Response (-6dB):	95 Hz - 18 kHz
Sensitivity @1W,1m:	98 dB
Max SPL cont./peak:	127 / 131 dB
Dispersion:	80°H x 50°V

### Sound Reinforcement Speaker

# MITUS

112



CAUTION:  
 IT IS IMPORTANT TO USE AN AMPLIFIER THAT DOES NOT  
 EXCEED 700WRMS @ 8 Ohm

# FBT



FBT elettronica spa - RECANATI (MC) - MADE IN ITALY

## DIMENSION DRAWING

