



# MODUS 40

Precision Coverage Vertical Array

## APPLICATIONS

- Permanent installations in Theatres, Concert Halls, Clubs, Places of Worship, Conference Rooms, Indoor Sports, Arenas & Stadiums
- Sound reinforcement for live events: Touring, Bands, Orchestras,
- Conference both indoors and out, where uniform sound pressure level is required over the entire listening area

## FEATURES

- 13 layer 0.7" birch plywood enclosure with textured scratch resistant paint finish
- 8 x 8" custom neodymium woofers with 2" voice coil
- 8X1" neodymium compression driver with 1.7" voice coil
- 40°V x 90°H coverage
- Input panel with 2 x Neutrik speakon NL4
- User friendly built-in hardware manufactured with the highest safety standards
- High SPL capability: 141dB
- Optional flying bar, trolley for two systems, metal stand base and joint base to ground stack to MODUS SUB
- Completely Manufactured in Italy



## PRODUCT DESCRIPTION

The FBTMODUS 40 two-way passive line array system shall incorporate 8 x 8" custom woofer with 2" voice coils and 8 x 1" neodymium compression drivers with 1.7" voice coil. The FBT MODUS 40 can be used singly with vertical dispersion of 40° or joined together FBT MODUS 15 forming a J-array with a vertical dispersion angle of 55°. The FBT MODUS 40 shall have a dual mode passive internal crossover network with switchable full-range / bi-amp operation. The FBT MODUS 40 shall meet the following performance criteria: frequency response of 58Hz to 18kHz, frequency sensitivity of 105dB ( 105dB LF / 108dB HF in bi-amp mode ), peak low frequency output of 140dB SPL and high frequency output of 141dB SPL, recommended power amplifier 1600W RMS/2 ohm in full-range mode or 1600W RMS/2 ohm + 400W RMS/4 ohm in bi-amp mode. The internal crossover allows either full range or bi amplified operation by means of a jumper located internally on the crossover unit on the underside of the rear control panel input plate. The waveguide, designed to create a coherent cylindrical acoustic front, is free of multiple sound paths ensuring a natural-sounding emission. The front shall be protected by a perforated formed aluminum grill and a rugged touring grade scratch resistant black paint finish protects the cabinet exterior. Input connectors shall be parallel wired Neutrik NL4 speakon. The system shall be flyable thanks to the user friendly built-in hardware manufactured with the highest safety standard.

## ELECTRICAL PERFORMANCE

System Type:	2-way
Recommended Amplifier (bi-amp)	1600W RMS (1600 LF/400 HF)
Long Term Power (AES) (bi-amp)	1000W (1000 LF/200 HF)
Short Term Power (IEC 268-5) (bi-amp)	3200W (3200 LF/800 HF)
Nominal Impedance (bi-amp)	2 ohm (2 ohm LF/4 ohm HF)
Frequency Response @ -6dB	58Hz - 18kHz
Sensitivity @ 1W, 1m (bi-amp)	105dB (105dB LF/108dB HF)
Maximum SPL (bi-amp) *	CONT. 137dB (137dB LF/138dB HF) PEAK 140dB (140dB LF/141dB HF)
Dispersion	90°H x 40°V
Crossover Frequency	1.2 kHz
Recommended HP filter	40Hz-24dB oct.

## PHYSICAL

Low Frequency Woofer	8 x 8" / 2" Coil
High Frequency Driver	8 x 1" / 1.7" Coil
Input Connectors	2 x Speakon NL4 in & thru
Net Dimensions (WxHxD) single unit	28.07" x 38.58" x 19.29"
Shipping Dimensions (WxHxD) 2 units	29.5" x 55.1" x 43.3"
Net Weight	182.98 lbs
Shipping Weight 2 units	418.87 lbs
Enclosure Material	13 layer 0.7" birch plywood

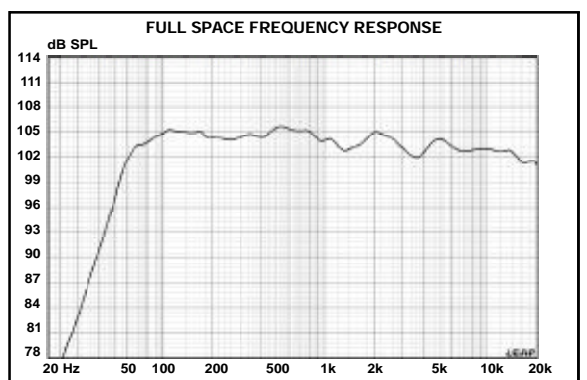
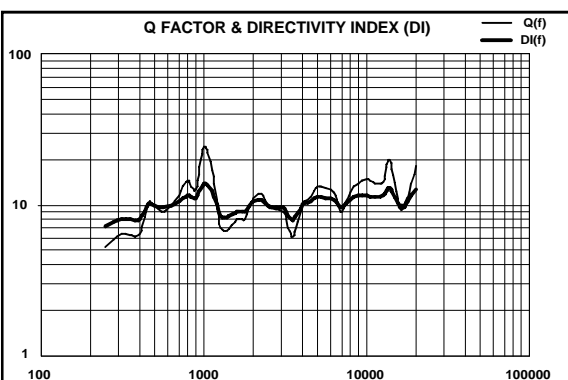
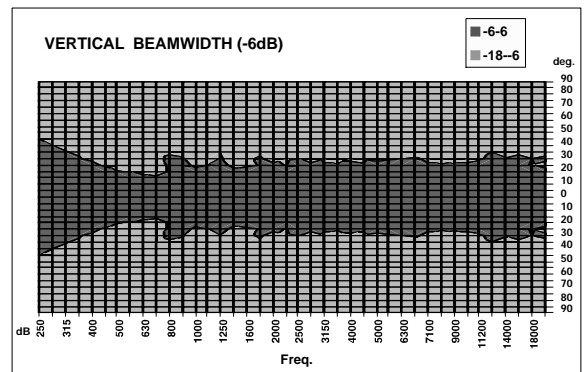
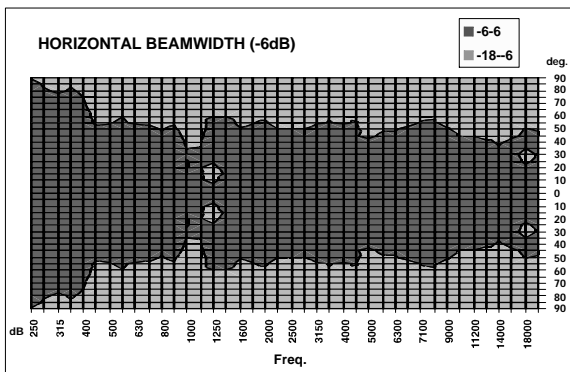
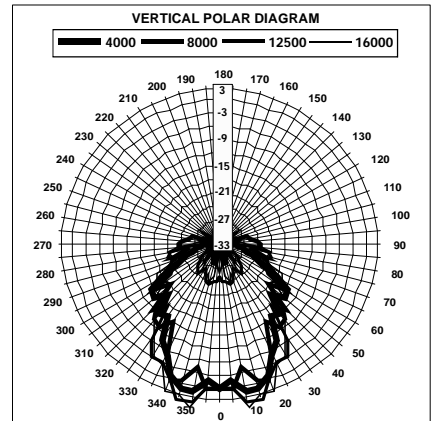
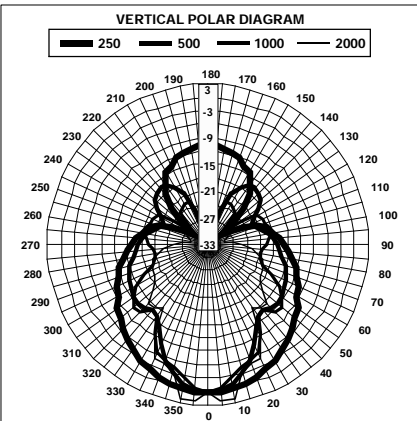
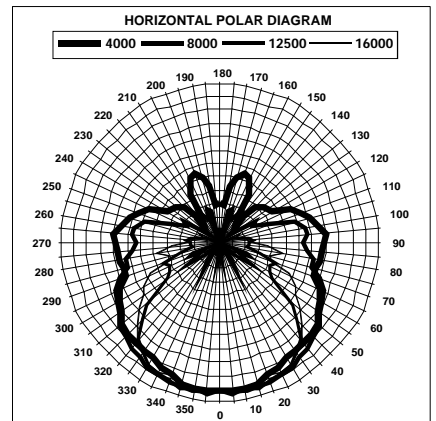
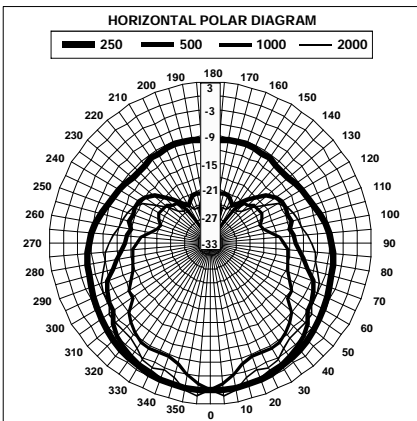
\* CONT. SPL: free space, based on recommended amp rating and LF transducer average sensitivity data, 125mS time average  
PEAK SPL: free space, based on short term applicable power rating and system peak sensitivity, 10mS time average



# MODUS 40

Precision Coverage Vertical Array

## DIAGRAMS



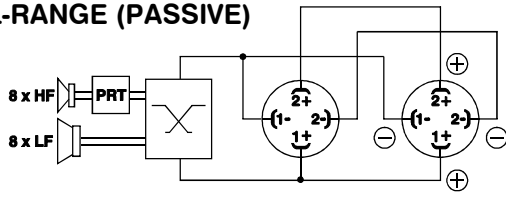


# MODUS 40

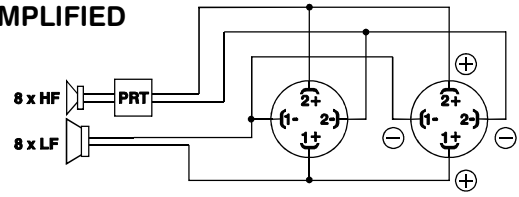
Precision Coverage Vertical Array

## CONNECTORS

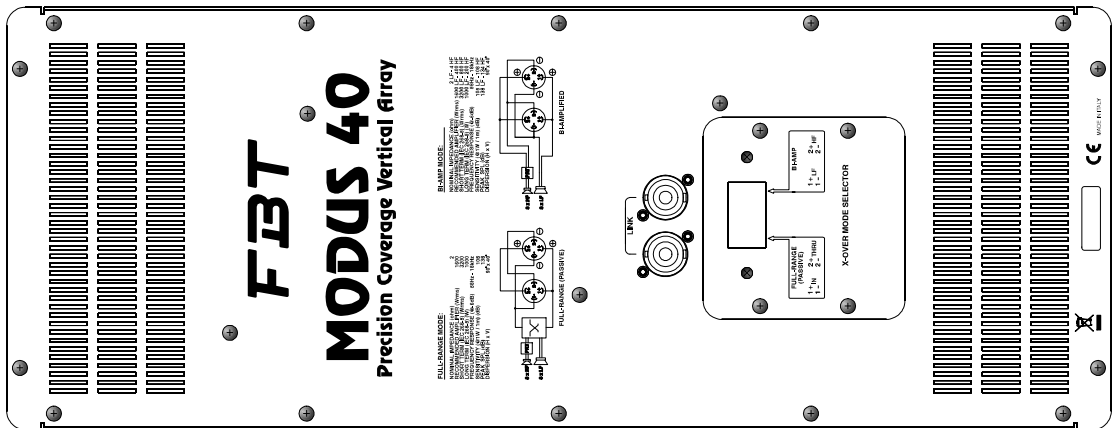
FULL-RANGE (PASSIVE)



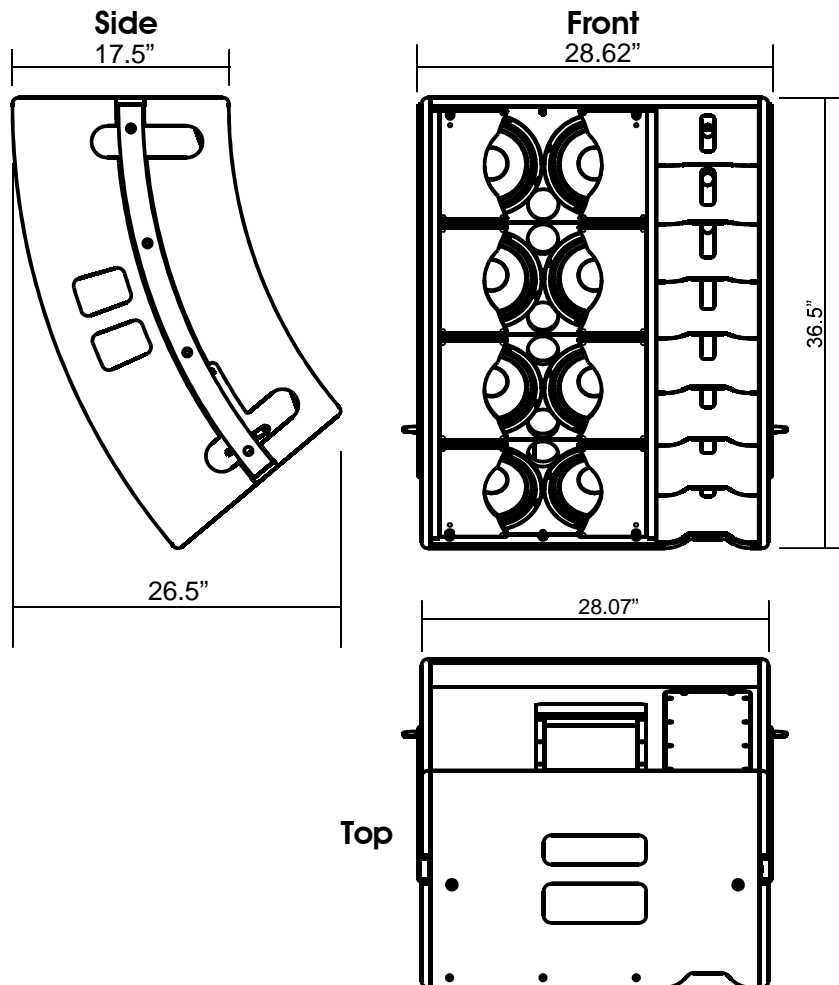
BI-AMPLIFIED



## CONNECTION PANEL



## DIMENSION DRAWING

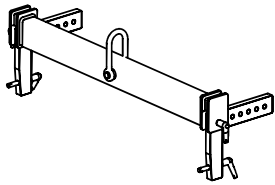




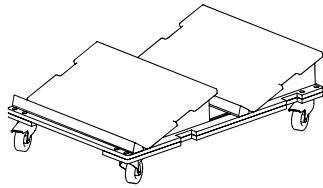
# MODUS 40

Precision Coverage Vertical Array

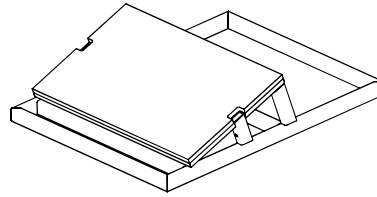
## ACCESSORIES



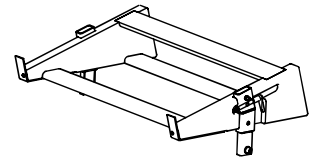
MD-F SAT  
Flying bar



MD-T SAT  
Trolley for 2 sat



MD-B  
Metal stand base  
to tilt MODUS 40



MD-WB  
Joint base  
to ground stack  
MODUS 40 to  
MODUS SUB

## CONFIGURATIONS



MODUS SUB

MODUS 15

MODUS 40



MODUS 15

MODUS 40



MODUS 40

MODUS SUB



MODUS 40



MODUS 15

MODUS 40