



## Dedicated Dance Club Design

Ultra-High Frequency Array

360 Degree Coverage

### Key Features:

- ▶ PT (Progressive Transition™) High Frequency Waveguide Design
- ▶ Four 2407H Neodymium magnet, 1.75" diaphragm ring-radiator compression drivers
- ▶ Unique enclosure geometry allows coverage of the entire dance floor from a single point

### Specifications:

#### System:

Frequency Range (-10 dB):	2 kHz - 23 kHz
Frequency Response (±3 dB):	2.7 kHz - 20 kHz
Horizontal Coverage Angle (-6 dB):	360°
Vertical Coverage Angle (-6 dB):	50°

#### Transducers:

High Frequency:	4x 2407H; 44.5 mm (1.75 in) diaphragm and voicecoil, 25 mm (1 in) throat
Nominal Impedance:	8 Ohms
Input Power Rating:	200 Watts AES; 800 W Peak
Sensitivity <sup>1</sup> :	113 dB, 1 W @ 1 m (3.3 ft)
Calculated Maximum SPL:	142 dB @ 1 m (3.3 ft)

#### Physical:

Enclosure:	16mm (5/8") Finnish birch plywood; truncated pyramidal shape
Suspension Attachment:	4 points - located on top of enclosure; M10 thread pattern
Finish:	Black DuraFlex coating (white optional)
Grille:	None
Input Connector:	Barrier strip & Neutrik NL4 Speakon; located on top of enclosure
Dimensions (H x W x D):	224 mm x 610 mm x 610 mm (8.8 in x 24 in x 24 in)
Net Weight:	18.2 kg (40 lb)

The CBT4 is a premier member of JBL's purpose-designed dance club family of products. Designed with a specific mission in mind: cover the entire dance floor with smooth, clean and extended high frequency energy from one central overhead position.

The CBT4 improves upon the performance of traditional "bullet tweeter" arrays through the use of a true compression driver, the 2407H, and JBL's latest generation PT waveguides. The leading edge design of the 2407H, incorporating a rare earth Neodymium magnet structure and a center-clamped titanium diaphragm offers more high frequency output than pre-existing designs plus lower distortion and higher power handling. The broad, smooth coverage pattern of the PT waveguides serves to spread all of these extreme highs evenly about the room.

CBT4 is intended to be suspended overhead. The compact, low profile pyramidal enclosure allows for sufficient headroom even in low-ceiling applications.

CBT4 requires the use of an active crossover. BSS Soundweb, dbx Driverack or similar digital controller are required for optimum performance.

The CBT4 is built when ordered. Contact your local sales representative for information on lead time.

<sup>1</sup> Anechoic sensitivity, within normal bandpass of system or section of system, in free field; does not assume any additional sensitivity gain from boundary loading.