

Professional Series

Key Features:

- ▶ Extremely wide 150° coverage.
- ▶ Smooth frequency response.
- ▶ Advanced crossover network provides very even coverage throughout listening area.
- ▶ Components:
 - 115 mm (4.5 in) woofer, injection molded graphite cone with butyl rubber surround.
 - 12 mm (.5 in) polycarbonate tweeter for extended response.
- ▶ Control 24CT MicroPlus includes 25W multi-tap transformer for 70V/100V systems.
- ▶ Shallow 100 mm (4 in) depth.
- ▶ Packaged with grille, backcan and tile rails for fast installation and easy dealer stocking.

Applications

The Control 24CT MicroPlus is a compact in-ceiling speaker, providing full, high quality sound for background music and music-plus-paging systems. These speakers are ideally suited for a wide variety of applications, from restaurants and specialty retail stores to professional offices and airports. Low distortion, a smooth, natural frequency response, and a 25W transformer make the Control 24CT MicroPlus ideal for medium volume business music. Low frequency output can be augmented with the addition of one of the Control Contractor subwoofer models. Similar mid/high frequency voicing to other JBL Control Contractor loudspeakers allows mixing and matching of models within zones without requiring separate equalization.

Installation of the Control 24CT MicroPlus is quick and easy. The loudspeaker is packaged with the backcan, grille, support backing bracket and tile rails. In addition, optional new construction brackets are available. The entire installation can be accomplished without requiring access above the ceiling.

The Control 24CT MicroPlus backcan is made of formed steel and the speaker is suitable for use in air handling spaces per UL2043. An attachment loop is provided on the backcan for cabling. A seismic tab is provided as a secondary support.

The Control 24CT MicroPlus trim and baffle are paintable to match any decor.



Specifications:

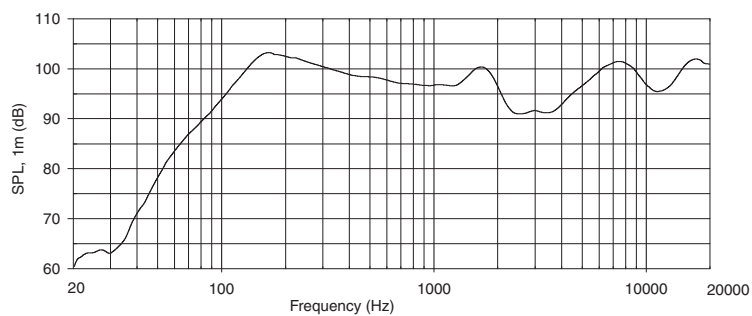
System:	
Frequency Range (-10 dB):	80 Hz - 25 kHz
Nominal Sensitivity ² :	85 dB SPL @ 1 m (3.3 ft)
Crossover:	3.5 kHz, 3rd order low-pass plus 3rd order high-pass with conjugate
Rated Maximum SPL:	99 dB @ 1 m (3.3 ft), 25W tap
Transformer Taps:	70V: 25W, 12W, 6W taps 100V: 25W, 12W taps
Transducers:	
Low Frequency:	115 mm (4.5 in) IMG (injection molded graphite), 24 mm (1 in) voice coil
High-Frequency:	12 mm (0.5 in) polycarbonate
Physical:	
Backcan:	Formed steel
Baffle/Rim:	Medium impact polystyrene, fire rated UL94V-O Secondary Attachment Point: Included
Termination:	Screw-down terminals, touch-proof, UL, CE and VDE rated, outside of backcan with conduit cover
Safety Agency Rating:	Suitable for use in air handling spaces per UL1480, UL2043, NFPA90 & NFPA 70, S7232/UL Listed, Signaling Speaker. Transformer UL registered per UL1876. In accordance with IEC60849/EN60849.
Outside Dimensions (H x Dia):	133 x 195 mm (5.3 x 7.7 in) 105 mm (4.1 in) front of ceiling tile to back of the backcan
Cutout Size:	167 mm (6.6 in)
Net Weight (ea):	2.5 kg (5.5 lb)
Shipping Weight (pr):	7.6 kg (17 lb)
Included Accessories:	C-shaped support backing plate 2 tile support rails (fits both 2 ft and 600 mm tiles) Cutout template, cardboard
Optional Accessories:	MTC-24TR trim ring for retrofit installations MTC-24NC optional new construction bracket, flat MTC-24MR optional mud ring construction bracket

¹Half-space (flush mounted in ceiling)

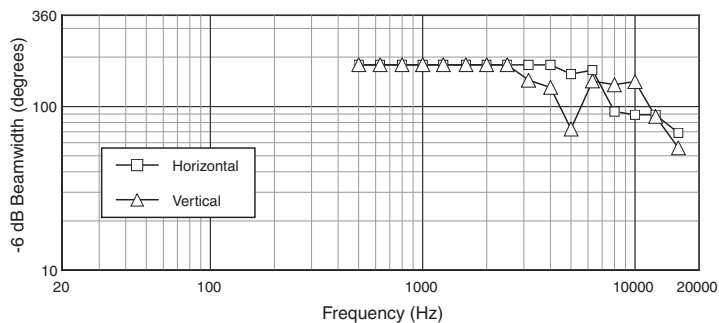
²Half-space (in ceiling), averaged 100 Hz to 10 kHz.

JBL continually engages in research related to product improvement. Changes introduced into existing products without notice are an expression of that philosophy.

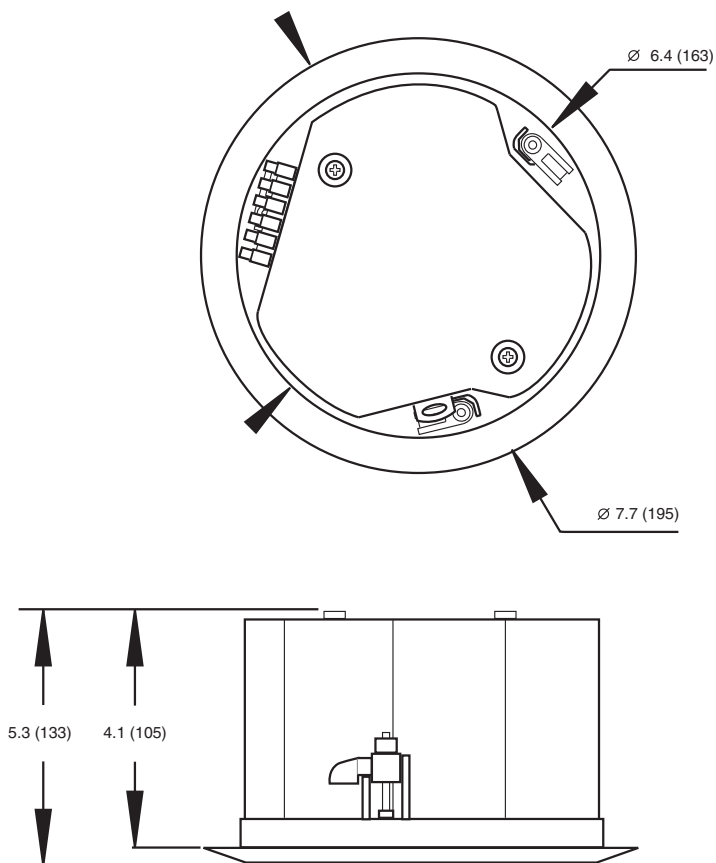
► Control 24CT MicroPlus Background Music Ceiling Speaker



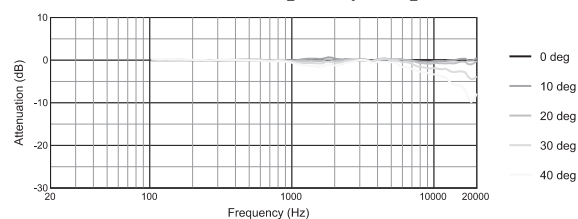
Frequency Response, on axis in half-space, 70V input to 25W tap



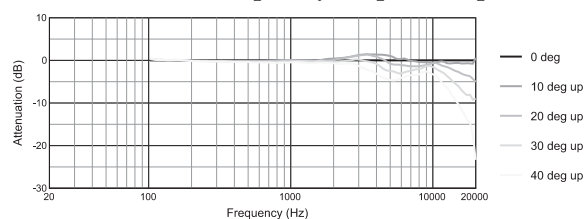
Beamwidth vs. Frequency



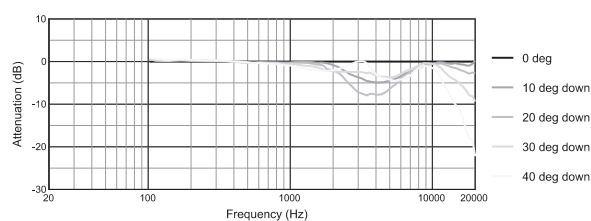
Horizontal Off Axis Frequency Response



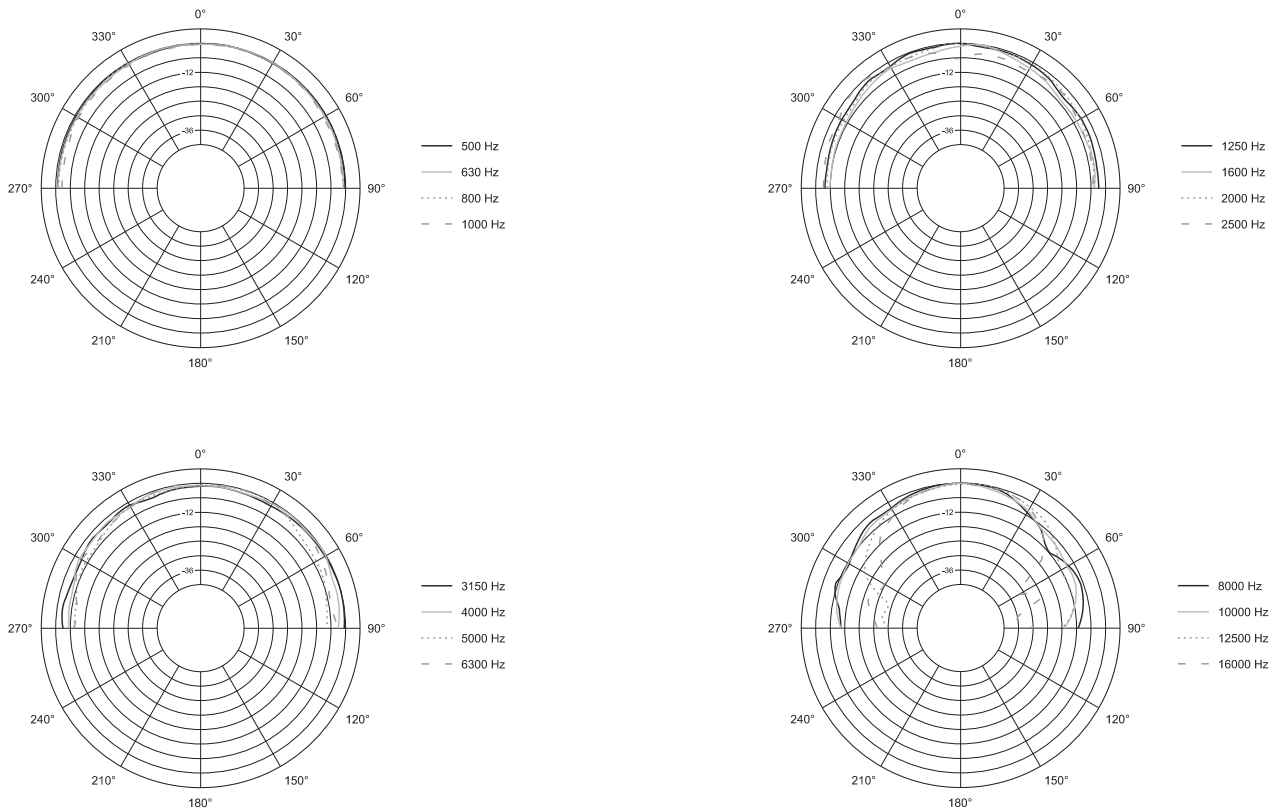
Vertical Off Axis Frequency Response (up)



Vertical Off Axis Frequency Response (down)

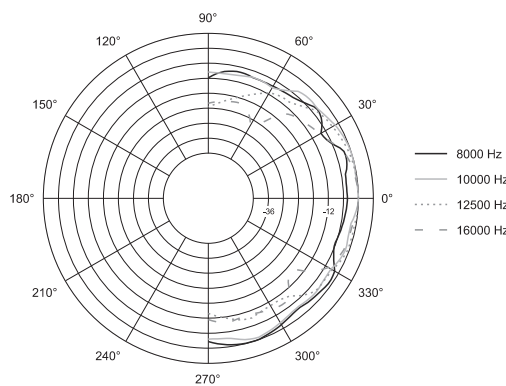
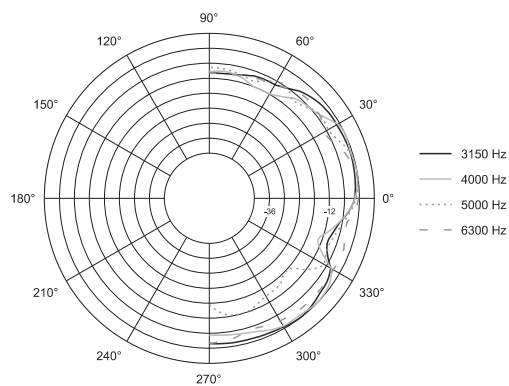
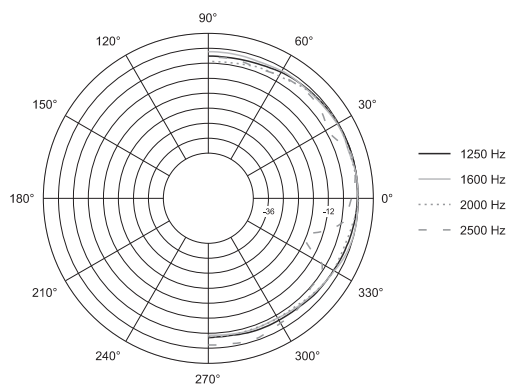
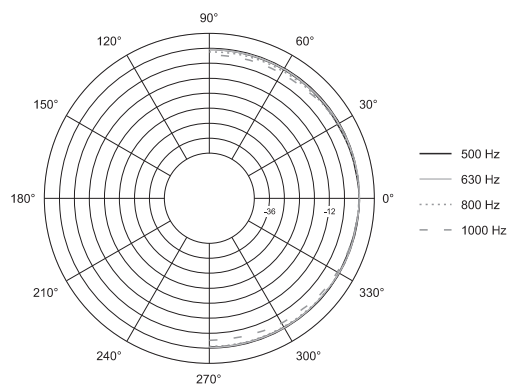


Horizontal 1/3 Octave Polars



► Control 24CT MicroPlus Background Music Ceiling Speaker

Vertical 1/3 Octave Polars



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