

**JBL**

# Control 10™ Monitor Loudspeaker

## Professional Series

### Key Features:

- ▶ Sensitivity: 94 dB SPL, 1 W, 1 m (3.3 ft)<sup>2</sup>
- ▶ Frequency Response ( $\pm 3$  dB): 35 Hz to 27 kHz
- ▶ High power handling (300 W, continuous program)
- ▶ Lightweight, acoustically inert high-impact enclosure with shielded magnet structure
- ▶ Integral attachment points for mounting flexibility
- ▶ Optional mounting hardware
- ▶ Components:
  - 300 mm (12 in) Symmetrical Field Geometry (SFG) low frequency transducer
  - 130 mm (5 in) midrange
  - 25 mm (1 in) pure titanium dome tweeter

The Control 10™ is a compact three-way loudspeaker system providing full range sound with exceptionally wide dynamics. The system is provided in mirror-imaged pairs in order to ensure absolute accuracy of stereophonic imaging. The Control 10 is ideal for portable studios, location recording, or any similar application requiring full range sound in addition to transportability. The Control 10 will also excel in fixed installations such as medium-sized control rooms, larger A/V presentation rooms, restaurants, and other locations that require physically unobtrusive systems.

The Control 10 also makes an excellent foreground music or disco system for small to medium-sized clubs and halls; and the system's high sensitivity, musical accuracy, forward voicing and wide dynamic range help cut through background noise, providing exciting sound even in crowded environments.



### Specifications:

SYSTEM:	
Frequency Response ( $\pm 3$ dB):	35 Hz to 27 kHz
Power Capacity <sup>1</sup> :	300 W continuous program
Sensitivity <sup>2</sup> :	94 dB SPL (1 W, 1 m)
Directivity Factor (Q):	6.3
Directivity Index (DI):	8
Nominal Impedance:	8 ohms
Crossover Frequencies:	1.1 kHz; 4.5 kHz
Polarity:	Positive Voltage to red terminal causes outward low frequency cone motion
GENERAL:	
Enclosure Material:	Polystyrene thermoplastic
Finish:	Black
Dimensions:	619 mm x 432 mm x 305 mm 24 3/8 in x 17 in x 12 in
Net Weight:	20.4 kg (45 lbs)
Shipping Weight:	21 kg (46 lbs)
ACCESSORIES:	
MTC-101 Tripod Mounting Adapter:	Allows the Control 10 to be mounted to the JBL MT4612 aluminum tripod in either a vertical or horizontal position.
MTC-102 Wall Mount Bracket:	Allows the Control 10 to be mounted to any rigid vertical surface with a unique polymer ball and clamp design. In addition to omnidirectional movement about the ball, the speaker's connecting wires may be run internal to the clamp.
MTC-103 Ceiling Mount Bracket:	The same as the MTC-102 except that it is designed to be mounted to a rigid ceiling surface.
MTC-105:	Mounting yoke assembly with safety plate for industrial installation.
MTC-106:	Vinyl protective cover/carrying case.

<sup>1</sup>Rating based on test signal of IEC filtered random noise with a peak-to-average ratio of 6 dB, two hours duration.

<sup>2</sup>Averaged from 500 Hz to 2.5 kHz. 1 W is 2.83 V @ 8 ohms.

JBL continually engages in research related to product improvement. New materials, production methods, and design refinements are introduced into existing products without notice as a routine expression of that philosophy. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.

# ► Control 10 Monitor Loudspeaker

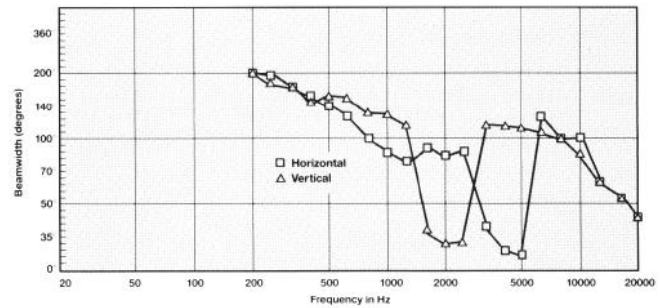
Incorporating a 300 mm (12 in) low frequency transducer, a 130 mm (5 in) midrange transducer and a 25 mm (1 in) pure titanium dome tweeter, the Control 10 is capable of producing the outstanding dynamic range necessary to reproduce today's digital and advanced analog sources accurately. System response extends from 35 Hz to beyond 27 kHz. All transducers are magnetically shielded so that the system may be used in close proximity to television receivers or video monitors.

The dividing network features the highest quality components, including low-loss inductors and polypropylene bypass capacitors. Front panel controls allow convenient adjustment of midrange and high frequency levels to compensate for room acoustics.

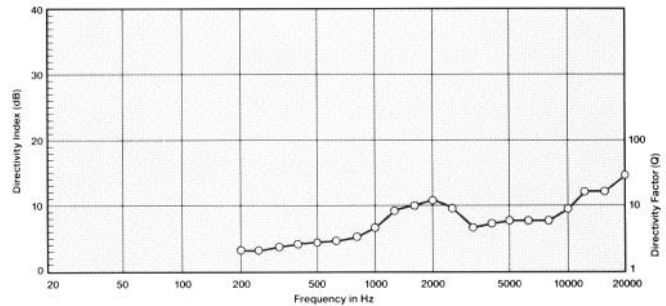
Molded from polystyrene thermoplastic, the Control 10 enclosure is the product of an intensive structural analysis program to compute the ideal balance between mass and acoustic structural integrity. The enclosure is also designed to be very durable to withstand the bumps and scrapes inevitable in portable applications. The enclosure's unique shape adds to the system's versatility, as do the molded-in carrying handle and multiple threaded attachment points, designed to accept a variety of optional installation hardware.

The grille is perforated metal to protect the transducers, and rubber corner pads protect both the loudspeaker and adjacent surfaces from scratches.

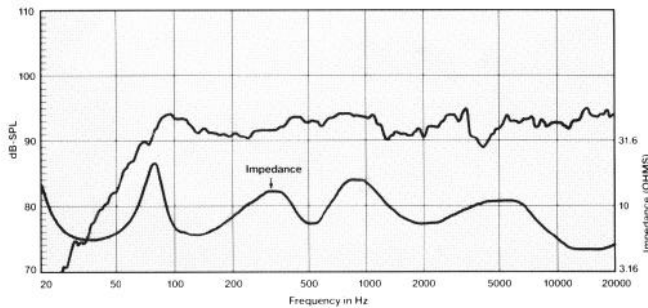
Horizontal and Vertical Beamwidth ( - 6 dB) vs. Frequency



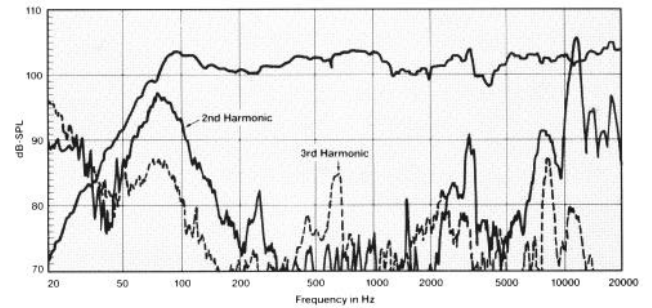
Directivity vs. Frequency



Frequency Response at 1 W, 1 meter; Impedance



Distortion vs. Frequency 10 W, Distortion Raised 20 dB



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