CONTROL® CONTRACTOR 300 SERIES

LARGE-FORMAT IN-CEILING LOUDSPEAKERS



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JBL is proud to introduce the latest addition to the Control® Contractor line of installation loudspeakers: The brand-new Control 300 Series. Designed from the ground up to provide optimal performance in the most demanding installations, the large-format Control 321C/CT, 322C/CT, 328C/CT and 312CS represent the state of the art in ceiling loudspeaker systems.

With six full-range, true point-source coax design models featuring 8" and 12" drivers, multiple power levels and transformer choices, plus a 12" in-ceiling subwoofer, the new Control 300 Series offers numerous configuration options, making it easy to fulfill any architectural, aesthetic and system performance requirements you may encounter. What's more, Control 300 loudspeakers are easy to design into your project and easy to install. And with the JBL heritage behind each and every one of them, you know you don't have to worry about quality or reliability.

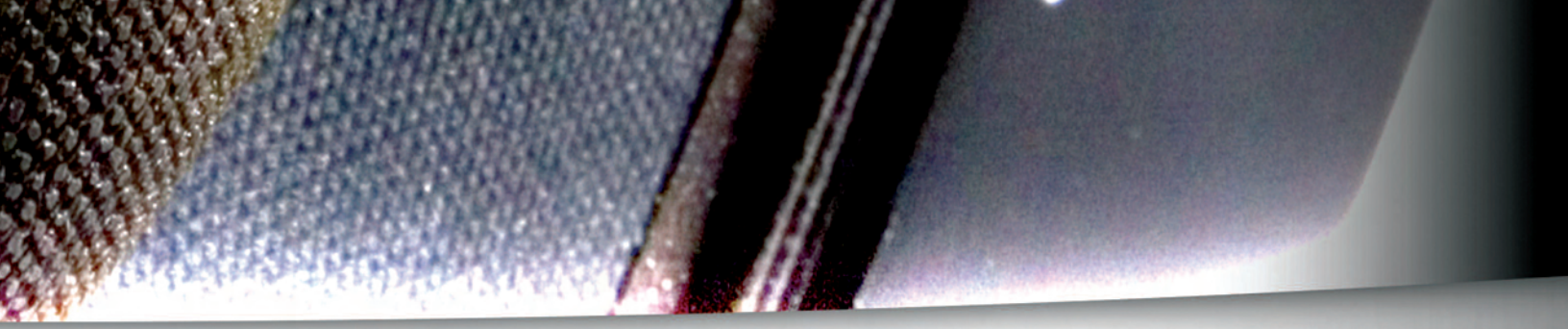
Outstanding High-Fidelity Performance

In the field, it's all about performance. And the Control 300 Series is built to perform. We've gone to great lengths to ensure that each and every one of these systems will deliver superb sound quality day in and day out for years to come. We use premium components like Kevlar-reinforced cones, low-saturation transformers and our legendary JBL compression drivers. We incorporate cutting-edge design factors such as advanced crossover networks feature high slopes for natural mid-range sound character. Ideally voiced for intelligible speech and music, the Control 300 Series loudspeakers offer exceptional clarity. In addition, they come with ported baffles to ensure optimal tuning. And there's plenty of room-filling, floor-shaking power to call on when the need arises.

Easy Design & Integration

The Control 300 Series loudspeakers are easy to design into a wide variety of applications using JBL's DSD Distributed System Design software. Available for free download from the JBL Professional Website, the DSD software computes speaker spacing and the resulting performance, including sound levels and expected level variation throughout the space.

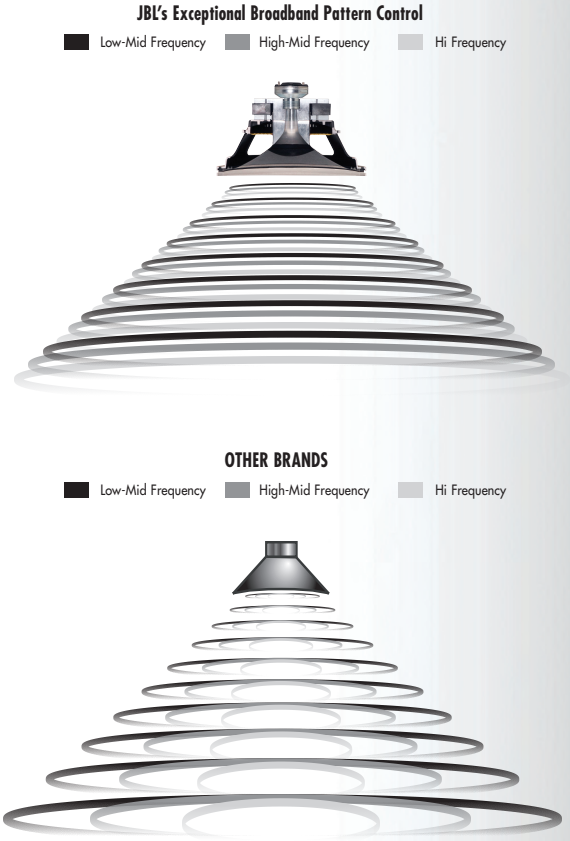


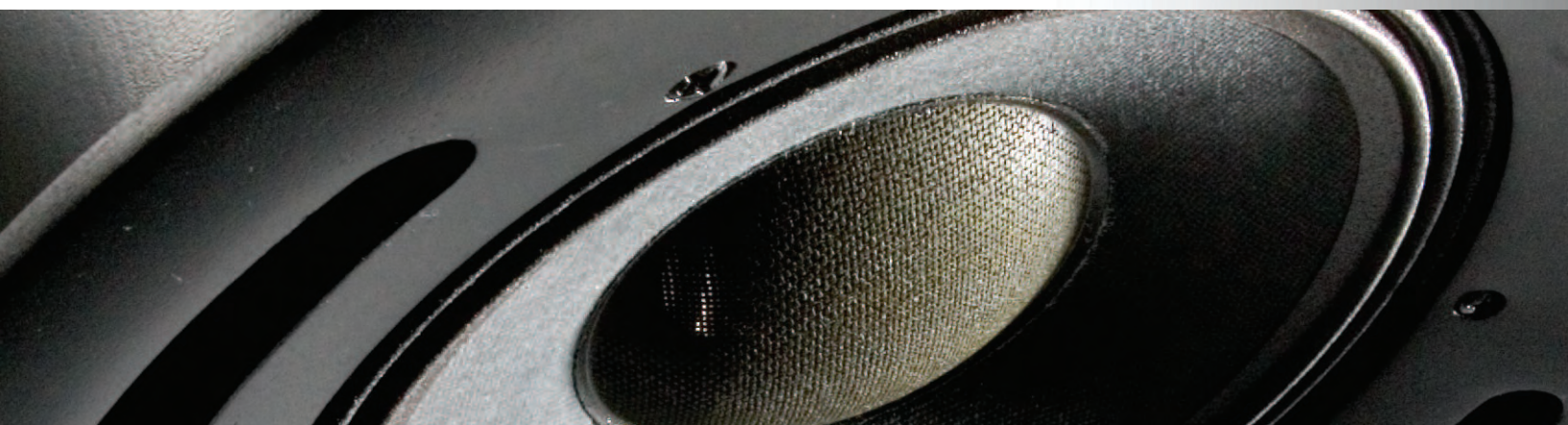


Precision Coverage

One of the primary concerns in installed sound is coverage. And, as you would expect from JBL, we've got you covered here as well. Thanks to our conical Constant Coverage waveguide design, the Control® 300 Series features exceptional broadband control, ensuring extremely even coverage and remarkably consistent sound virtually anywhere in the room, coupled with extremely low distortion and an impressively smooth frequency response. And the Control 328 goes a step further with the addition of a 12" diameter waveguide, providing the pattern control of a 12" horn from an 8" driver.



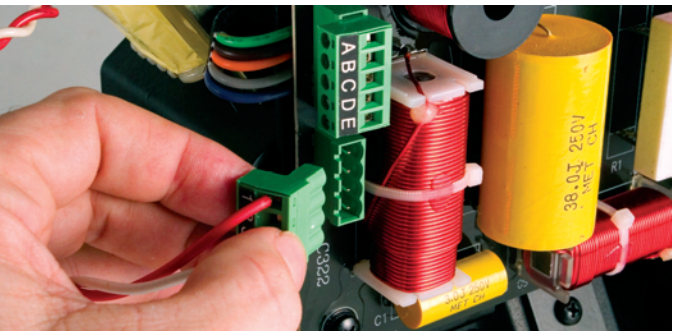


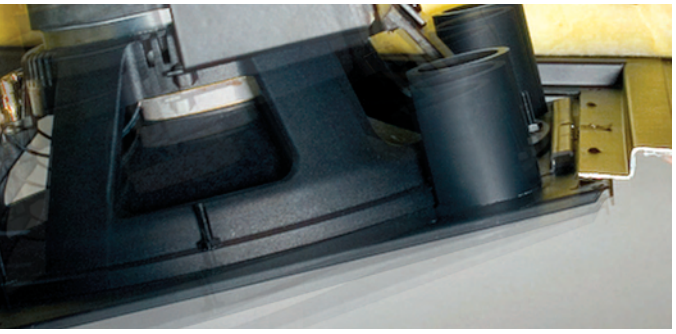


Easy Installation

With the new Control 300 Series, we set out to design some of the easiest-to-install in-ceiling loudspeakers on the market. Take our new EZ-Rail™, for example: This revolutionary frame can often eliminate the need for a second installer on the job by providing a "helping hand" to hold the loudspeaker in place while fastening it to the back box. Then there's our multi-pin locking connector, which allows you to pre-wire, then simply clip on during installation.

CLIP-IN MULTI-PIN CONNECTION MAKES INSTALLATION EASY





EZ-RAIL™ PROVIDES A "HELPING HAND" DURING INSTALLATION

Premium Accessories

A useful selection of premium accessories is available for the Control 300 Series loudspeakers, including back boxes, grilles and transformers. Manufactured of heavy-duty 16-gauge steel and lined with 1/2" MDF, our back boxes provide acoustic qualities comparable to top-quality wood loudspeaker cabinets in a metal back-box form factor, making them unquestionably the best in their class. Our contemporary grilles are designed to fulfill the aesthetic requirements of high-end venues and offer a sleek, elegant appearance that is at home in a wide variety of interior decors. Last but not least, our optional 150-watt transformer is perfect for applications requiring especially high output levels.

JBL PROFESSIONAL

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SPECIFICATIONS

Control 328C & 328CT

8" Coax with 12" Waveguide

Component:	8" Woofer, 1" exit compression driver
Frequency Range:	45 Hz – 18 kHz
Power Capacity:	250W Continuous Pink Noise
Sensitivity:	93 dB, 1W, 1m
Coverage:	100 degrees conical
Nominal Impedance (328C)	8Ω
70V/100V Taps (328CT):	60W, 30W, 15W (plus 7.5W at 70V)
Termination:	Screw-down removable locking barrier strip
Dimensions (H x W x D):	11.8" diameter round baffle x 6.4" (328C) or 8.8" (328CT) deep

Control 321C & 321CT

Premium 12" Coax with Small Format HF Driver

Component:	12" Woofer, 1" exit compression driver
Frequency Range:	34 Hz – 18 kHz
Power Capacity:	250W Continuous Pink Noise
Sensitivity:	94 dB, 1W, 1m
Coverage:	90 degrees
Nominal Impedance (321C):	8Ω
70V/100V Taps (321CT):	60W, 30W, 15W (plus 7.5W at 70V)
Termination:	Screw-down removable locking barrier strip
Dimensions (H x W x D):	14.3" x 14.3" square baffle x 9.0" (321C) or 9.6" (321CT) deep

Control 322C & 322CT

High Output 12" Coax with Medium Format HF Driver

Component:	12" Woofer, 1.5" diaphragm compression driver
Frequency Range:	32 Hz – 20 kHz
Power Capacity:	400W Continuous Pink Noise
Sensitivity:	95 dB, 1W, 1m
Coverage:	90 degrees
Nominal Impedance (322C):	8Ω
70V/100V Taps (322CT):	100W, 50W, 25W (plus 12.5W at 70V)
Termination:	Screw-down removable locking barrier strip
Dimensions (H x W x D):	14.3" x 14.3" square baffle x 9.0" (322C) or 9.6" (322CT) deep

Control 312CS

12" In-Ceiling Subwoofer

Component:	12" Subwoofer
Frequency Range:	30 Hz – 4.5 kHz
Power Capacity:	400W Continuous Pink Noise
Sensitivity:	92 dB, 1W, 1m
Nominal Impedance:	8Ω
Termination:	Screw-down removable locking barrier strip
Dimensions (H x W x D):	14.3" x 14.3" square baffle x 6.1" deep

ACCESSORIES

MTC-300BB8

Premium 1 Cubic Foot Cylindrical Backbox

Fits:	Control 328C, 328CT
Construction:	Thick 16 gauge steel with 1/2" MDF lining on top panel
Dimensions:	10.6" dia x 15" deep

MTC-300BB12

Premium 3 Cubic Foot Rectangular Backbox

Fits:	Control 321C, 321CT, 322C, 322CT & 312CS
Construction:	Thick 16 gauge steel with 1/2" MDF lining
Dimensions:	23" x 18" x 12.8" deep

MTC-300SG12

Square Grille for 12" Systems

Fits:	Control 321C, 321CT, 322C, 322CT & 312CS
Dimensions:	16.3" x 16.3" x 0.4" deep

MTC-300RG8

Round Grille for 8" Systems

Fits	Control 328C, 328CT
Dimensions:	13.6" dia x 0.4" deep

MTC-300T150

150W Transformer with Low Saturation

Fits:	Mounting studs located inside MTC-300BB12 Backbox
70V/100V Taps:	150W (plus 75W at 70V)
Dimensions:	2.9" H x 3.4" W x 2.9" deep

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