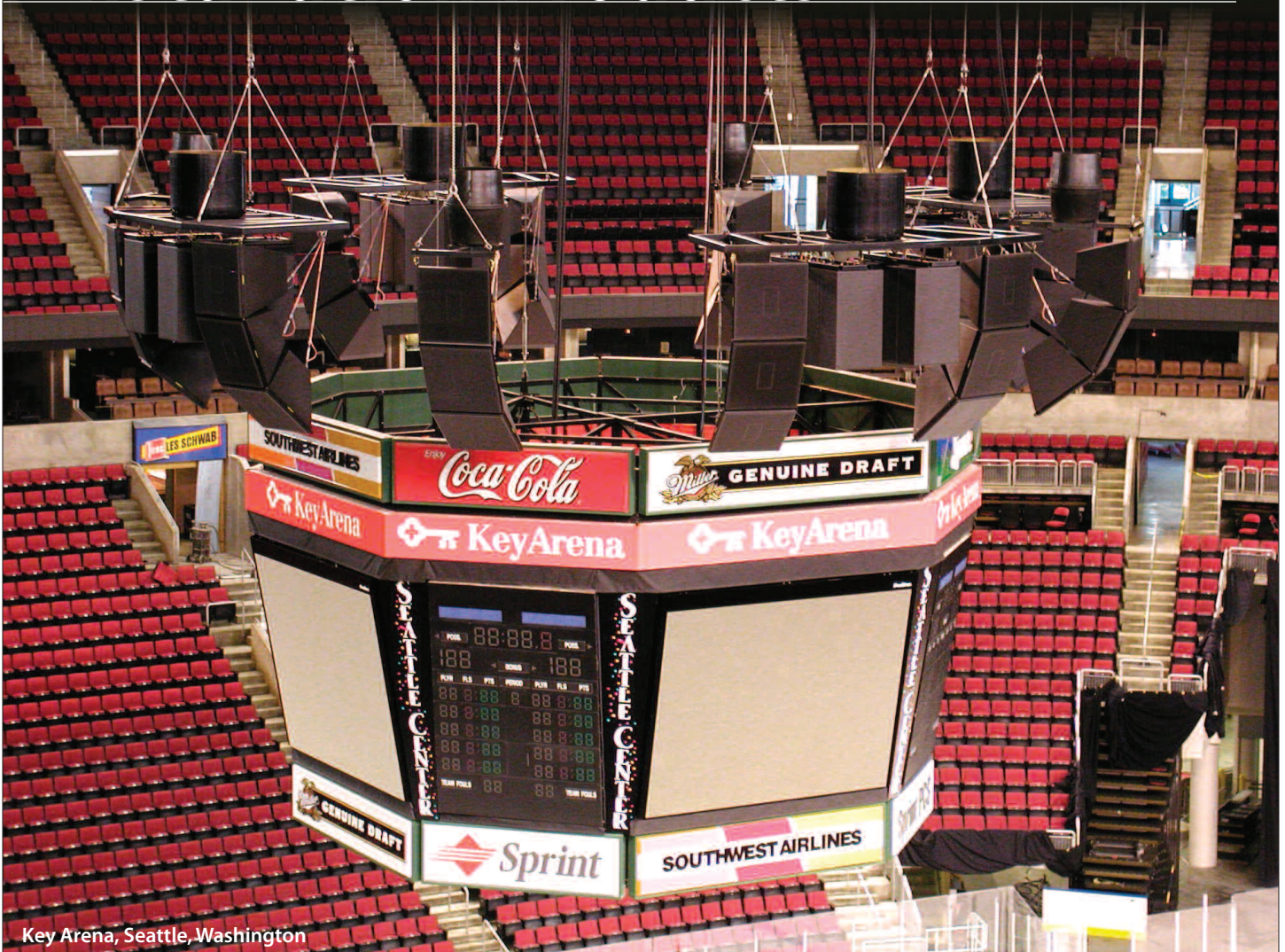
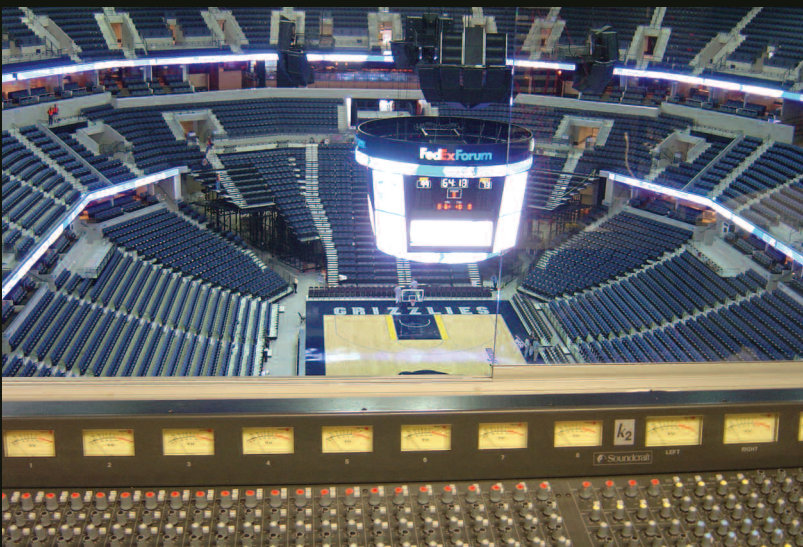


Installation Products



Key Arena, Seattle, Washington



FedEx Forum, Memphis, Tennessee

No matter where you go in this world, you'll find JBL Installed Sound Speaker Systems at many of the most notable venues.

With that kind of global perspective, JBL has come to respect the one indisputable truth of business: every customer is unique. A speaker system that is perfectly right for one job might be perfectly wrong for another. That's why JBL Installed Sound products offer a range of options without equal. From the extraordinary value of the Control Contractor Series to the ultimate precision of the JBL Custom Shop, there's a JBL Installed Sound product with a solid business solution based on equally solid business savvy.

For more than 50 years, JBL has been the professional speaker of choice wherever sound matters. We'd like to believe it should be your choice, too.

Control® Series

① MOLDED ENCLOSURES WITH SHIELDED MAGNETIC STRUCTURES

② HIGH SENSITIVITY AND POWER HANDLING CAPABILITY



INSTALLATION PRODUCTS

Control® Series

The JBL Control Series speakers offer high performance in a variety of applications. Well balanced sound and exceptional power handling make these speakers ideal for any installation requiring professional control monitor performance from a compact source.

CONTROL 1™

The Control 1 is a high-performance personal monitor loudspeaker incorporating a 135 mm (5 1/2 in) low-frequency loudspeaker, 19 mm (3/4 in) polycarbonate dome tweeter and high-performance dividing network. Compact and durable, the Control 1 performs equally well in recording studios, mobile audio-video control rooms and broadcast studios. It is also highly suitable for foreground and background music use in restaurants, discotheques and audio-visual applications.

CONTROL 5™

The Control 5 is a high-performance, wide range control monitor suitable for use as the primary sound source in a variety of applications. The 165 mm (6 1/2 in) low-frequency driver and 25 mm (1 in) pure titanium dome tweeter are magnetically shielded for use in close proximity to video monitors.

CONTROL SERIES MOUNTING ACCESSORIES

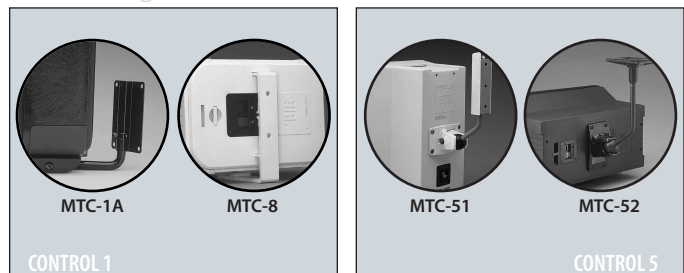
Control Series enclosures are designed for applications in which minimal space, tight corners and tough angles are all too common. Specialized mounting systems allow positioning of enclosures in exactly the right space for optimum performance.

specifications

	CONTROL 1	CONTROL 5
FREQUENCY RESPONSE	120 Hz - 20 kHz (± 3 dB)	75 Hz - 20 kHz (± 3 dB)
POWER CAPACITY ¹	150 W	175 W
SENSITIVITY: 1 W, 1 m	87 dB SPL	89 dB SPL
NOMINAL IMPEDANCE	4 ohms	4 ohms
COMPONENTS: LF	135 mm (5 1/4 in)	165 mm (6 1/2 in)
HF	19 mm (3/4 in)	25 mm (1 in)
ENCLOSURE	Polypropylene structural foam	Polypropylene structural foam
FINISH	Black or white (-WH)	Black or white (-WH)
DIMENSIONS (H x W x D)	235 x 159 x 143 mm	387 x 251 x 229 mm
	9.25 x 6.25 x 5.6 in	15.25 x 9.8 x 9 in
NET WEIGHT (each)	1.8 kg (4 lb)	4.5 kg (10 lb)

¹ IEC filtered random noise (50 Hz - 5 kHz) with a crest factor (peak to average ratio) of 6 dB.

mounting accessories



key features

- ALL-IN-ONE CONVENIENCE FOR FAST INSTALLATION AND EASY STOCKING
- AGENCY APPROVED FOR USE IN AIR HANDLING SPACES
- PREMIUM PERFORMANCE
- SONICGUARD™ OVERLOAD PROTECTION

Control® Contractor

Ceiling Speakers

JBL Control Contractor Ceiling Speakers deliver high power handling, overload protection and exceptional sound level capability and are packaged as complete assemblies, including integral backcan, front grille and tile bridge support hardware. Innovative design features such as titanium-coated tweeters and JBL's unique diffraction-horn loading provide broad, even coverage throughout the listening area.

Installation of JBL Control Contractor Ceiling Speakers is quick and easy and can be accomplished without requiring access above the ceiling. Bracketry for suspended ceilings is included. The speaker is held securely in place via mounting ears which rotate into position and lock into place. Inputs are attached to a removable locking connector (included) which can be prewired before installing for ultra-fast snap-on installation. All models (except 26-DT) contain formed steel backcans and are suitable for use in air handling spaces per UL1480. Control 24CT Micro, 24CT MicroPlus, 24CT, 26CT and 19CSCT feature top quality transformers pre-installed inside the speaker assembly for use on 70V/100V distributed lines. Tap selection is conveniently located on the front of the speaker (except Micro).



24C/CT MICRO and 24CT MICROPLUS

CONTROL 24C/CT MICRO AND CONTROL 24CT MICROPLUS

The **Control 24C/CT Micro** and **Control 24CT MicroPlus** are compact, easy-to-install in-ceiling speakers, providing full, high quality sound for background music and music-plus-paging systems. The **Control 24CT Micro** and **Control 24CT MicroPlus** both include multi-tap transformers.

CONTROL 24C/CT AND CONTROL 26C/CT

The **Control 24C** contains a coaxially mounted 4" woofer and 3/4" titanium-coated tweeter, providing high-fidelity sound over a wide coverage area. The **Control 26C** is a powerhouse ceiling speaker containing a coaxially mounted 6 1/2" woofer and 3/4" titanium-coated tweeter, able to deliver maximum sound level over a defined area.

CONTROL 26-DT

The **Control 26-DT** is an 8" driver assembly designed for sound systems requiring a higher fidelity sound and easy installation into standard backcans.

A high quality, low insertion-loss transformer is supplied for use on 70V/100V distributed lines.



26-DT

CONTROL 19CS/CSCT

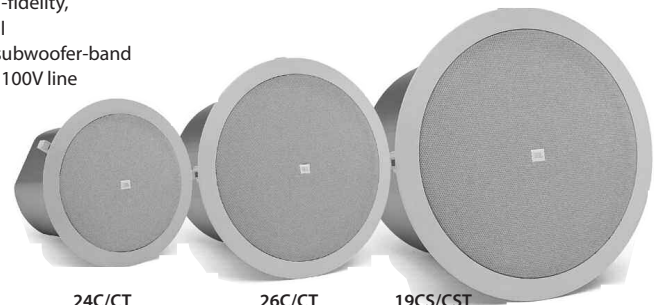
The unique Nested-Chamber design and Linear Dynamic™ port of the JBL **Control 19CS** subwoofer allows powerful low-frequency reinforcement from a compact in-ceiling enclosure. The **Control 19CS** is an ideal addition to any system, resulting in full-fidelity, high level sound. The optional **Control 19CSCT** has a special subwoofer-band transformer for use on 70V or 100V line distribution systems.

ACCESSORIES

Optional Pre-Installation Brackets: Useful for installation in new construction installations. New Construction Bracket: **MTC-xxNC** Plaster Ring Bracket: **MTC-xxMR**

Trim Rings: Allow for installation into existing ceiling speaker cutouts that are larger than the speaker's normal cutout size. **MTC-xxTR**.

Note: Secondary backcans for pre-piped installations available from third party. Contact JBL for information.



24C/CT

26C/CT

19CS/CSCT

specifications

	24C/CT MICRO 24CT MICROPLUS	24C/CT	26C/CT	26-DT	19CS/CSCT
FREQUENCY RANGE	85 Hz - 25 kHz (-10 dB) ¹	80 Hz - 20 kHz (-10 dB) ¹	75 Hz - 20 kHz (-10 dB) ¹	70 Hz - 20 kHz (-10 dB) ¹	42 Hz - 200 Hz (-10 dB) ²
POWER CAPACITY: PROGRAM ³ PINK ⁴	30 W 15 W	80 W 40 W	150 W 75 W		200 W 100 W
NOMINAL DISPERSION	150° conical	130° conical	110° conical	90°	Omnidirectional
NOMINAL SENSITIVITY 1 W, 1 m	86 dB	86 dB	89 dB	89 dB (60 W tap)	95 dB (ceiling, near corner) 89 dB (center of ceiling)
NOMINAL IMPEDANCE	8 ohms (24C Micro)	16 ohms (24C)	16 ohms (26C)		8 ohms (19CS)
TRANSFORMER TAPS: 100V	8, 4, 2, 1 W (24CT Micro) 25, 12 W (24 CT MicroPlus)	30, 15, 7.5 W (24CT)	60, 30, 15 W (26CT)	60, 30, 15 W	60, 30, 15 W (19CSCT)
70.7 V	8, 4, 2, 1, .5 W (24CT Micro) 25, 12, 6 W (24CT MicroPlus)	30, 15, 7.5, 3.7 W (24CT)	60, 30, 15, 7.5 W (26CT)	60, 30, 15, 7.5 W	60, 30, 15, 7.5 W (19CSCT)
COMPONENTS: LOW FREQ.	4 1/2 in (115 mm)	4 in (100 mm)	6 1/2 in (165 mm)	6 1/2 in (165 mm) *	8 in (200 mm)
HIGH FREQ.	1/2 in (12 mm)	3/4 in (19 mm)	3/4 in (19 mm)	3/4 in (19 mm)	
ENCLOSURE	Formed steel backcan	Formed steel backcan	Formed steel backcan		Formed steel backcan
DIMENSIONS (H x DIA.)	106 x 195 mm 4.2 x 7.7 in	200 x 195 mm 7.9 x 7.7 in	210 x 252 mm 8.3 x 9.9 in	120 x 200 mm 4.72 x 7.87 in	345 x 345 mm 13.6 x 13.6 in
NET WEIGHT (each)	24C Micro: 1.6 kg (3.6 lb) 24CT Micro: 2.0 kg (4.4 lb) 24CT MicroPlus: 2.5 kg (5.5 lb)	24C: 2.7 kg (6 lb) 24CT: 3.5 kg (8 lb)	26C: 3.4 kg (7.5 lb) 26CT: 4.2 kg (10 lb)	1.9 kg (4.2 lb)	19CS: 5.5 kg (12 lb) 19CSCT: 6.3 kg (14 lb)
<i>See footnotes on facing page.</i>					
<i>*8" compatible mounting</i>					

key features

- ① MINIMAL VISUAL IMPACT
- ② EASY TO INSTALL IN STANDARD STUD-WALL CONSTRUCTION
- ③ HIGH POWER HANDLING CAPABILITY
- ④ 70V/100V VERSIONS AVAILABLE

Control® Contractor In-Wall Speakers



INSTALLATION PRODUCTS

Control® Contractor

JBL Control 126W/WT and 128W/WT are premium in-wall speakers designed for applications where top performance from a loudspeaker with minimal visual impact is required. The Control 100 Series speakers are voiced similarly to other JBL Control Contractor models, allowing mixing with surface-mount and in-ceiling speakers within a single listening space. The premium sound quality makes these loudspeakers ideal for critical listening environments, yet they are high power and rugged enough to handle venues requiring high-SPL, heavy duty-cycle music.

CONTROL 126 W/WT and CONTROL 128W/WT

The Control 126 W and Control 128 W feature high performance woofers with a polymer coated aluminum cone, pure butyl rubber surround for long life and high reliability, and extended polepiece magnet design for long excursion and high reliability. The pure titanium dome high frequency driver is loaded with a built-in EOS™ (Elliptical Oblate Spheroidal) waveguide for low distortion and a smooth frequency response. A low-diffraction swivel mounting system enables the user to direct high frequencies where required without the diffraction distortion inherent in other aimable tweeter designs. A high-slope crossover network maintains natural midrange sound and produces more even coverage throughout the listening area.

The speakers fit into the wall space of ordinary stud-wall construction. An optional rough-in frame is available for installing the speakers into standard stud walls in new construction projects. As is the case with all Control Contractor speakers, the baffles and grilles are paintable to match any décor.

The optional Control 126WT and Control 128WT include 70V/100V transformers for use on distributed loudspeaker lines.

specifications

	CONTROL 126W/WT	CONTROL 128W/WT	
FFREQUENCY RANGE (-10 dB) ¹	38 Hz - 20 kHz	30 Hz - 20 kHz	
POWER CAPACITY: PROGRAM ³	100 W	120 W	
PINK ⁴	50 W	60 W	
NOMINAL COVERAGE	88 dB SPL		
SENSITIVITY: 1 W, 1 m	8 ohms	90 dB SPL	
NOMINAL IMPEDANCE		8 ohms	
TRANSFORMER TAPS: 100V	30, 15, 7.5 W (126WT)	50, 25, 12 W (128WT)	
70.7 V	30, 15, 7.5, 3.7 W (126WT)	50, 25, 12, 6 W (128WT)	
COMPONENTS: LOW FREQ.	6 1/2 in (165 mm)	8 in (200 mm)	
HIGH FREQ.	1 in (25 mm)	1 (25 mm)	
TERMINATION	Screw-down Euroblock type	Screw-down Euroblock type	
OPTIMUM AIR CAVITY	20 -40 liters (.07 to 1.4 cu. ft.)	40 -80 liters (1.4 to 2.8 cu. ft.)	
BEHIND SPEAKER			
ROUGH-IN FRAME	MTC-126RIF	MTC-128RIF	
DIMENSIONS	280 x 215 x 105 mm	334 x 257 x 110 mm	
(H x W x D)	11 x 8.5 x 4.1 in	13.1 x 10.1 x 4.3 in	
NET WEIGHT (each)	2.1 kg (4.5 lb)	2.6 kg (5.5 lb)	

¹ Half-space (mounted in-wall or in ceiling)

² Mounted in ceiling near corner (π/2 loading).

³ Continuous Program Power, which is a conservative expression of the system's ability to handle normal speech and music program material and is defined as 3 dB above the Continuous Pink Noise rating (IEC-shaped pink noise with a 6 dB crest factor, for 100 hours continuously).

⁴ Rated in Continuous Pink Noise for 100 hours.

Control® Contractor

Surface-Mount Speakers

The Control Contractor Surface speakers are compact systems with rugged, molded high impact polystyrene shells. Designed for wide-ranging indoor and outdoor (except SB-2) applications, the Control Contractor Series offers versatility, ease-of-installation and paintability. JBL's Invisiball® mounting technology revolutionizes ease-of-installation with built-in hardware easily secured with a standard hex wrench from a front channel. Mounting bracket is included.

CONTROL 23/CONTROL 23T

The most compact of the JBL Control Contractor Series speakers, the **Control 23**, has a 3 1/2" woofer and horn-loaded titanium-coated tweeter ideal for mid/high operation in limited space environments. This system delivers crisp, articulate sonic quality. The optional Control 23T has a pre-installed transformer for line distribution systems. Augmenting the bass with a JBL subwoofer results in an extremely full-fidelity system.

CONTROL 25/CONTROL 25T

The **Control 25** incorporates a 5 1/4" low frequency loudspeaker with a horn-loaded 1" titanium-coated tweeter. Its full-range frequency response makes it an excellent choice for moderately large venues, providing superior dynamic performance and a smooth roll-off down to 80 Hz. The optional Control 25T includes a multitap transformer for line distribution systems.

CONTROL 25AV

The **Control 25AV** is an especially wide bandwidth, smooth response speaker. It is magnetically shielded for use in close proximity to video monitors. It features a top-quality 60W multitap transformer for 70V/100V line distribution systems. The transformer may be bypassed allowing the Control 25AV to be used as an 8 ohm impedance speaker. Stainless steel grille and MTC-PC2 panel cover included for excellent weather resistance.

CONTROL 28/CONTROL 28T-60

The **Control 28** offers high power, performance, bandwidth and sensitivity in a compact, full-range speaker. Incorporating an 8" low-frequency woofer and 1" titanium-coated tweeter, the Control 28 provides vivid sound reproduction for large-space applications. The optional Control 28T-60 contains a multitap transformer for 70V/100V line distribution systems.

CONTROL 29AV

The **Control 29AV** utilizes high power components, computer optimized horn and cabinet design, and complex network to achieve smooth high fidelity performance, extended bandwidth and well-controlled defined coverage from a compact loudspeaker. A rotatable 110° x 85° high-frequency horn allows use of the speaker in either vertical or horizontal orientation. Smooth frequency response and even coverage ensures excellent sound character throughout the listening area. Contains 10 inserts for suspending. Optional MTC-29UB U-bracket available.

CONTROL 30

The **Control 30** is a three-way high output speaker designed for multiple uses. Weather resistance has been maximized, making the Control 30 suitable for outdoor applications. It features a top-quality 150W multitap transformer for 70V/100V line distribution systems with a bypass for use as an 8 ohm speaker.

CONTROL SB-2

The **SB-2** features a hybrid load-baffle/bandpass design for musical clarity. This single speaker functions as the subwoofer section of left/right music systems, preserving the stereo separation. The dual voice coil 10" bass transducer has been optimized to complement the Control 23 as a satellite speaker. (Not outdoor capable.)

CONTROL SB210

The **Control SB210** subwoofer contains two high power 10" woofers suitable for a variety of applications both indoors and out. Its compact size, durable enclosure, insert points, and stacking options make it one of the most versatile subwoofers in the installation market. Optional input modules are available to provide passive subwoofer/satellite crossover (MTC-210-SAT), 70 V/100V subwoofer-band transformer (MTC-210T) or both (MTC-210T-SAT).

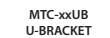
ACCESSORIES

MTC-PC2: The MTC-PC2 Panel Cover provides sealed entrance protection for input terminals and strain relief for incoming speaker wire.

MTC-xxSSG and MTC-xxWMG: SSG stainless steel retrofit grilles for Control 23, 25, and 28. WMG WeatherMax™ grilles add a foam and tight-weave backing to break up driving rain.

MOUNTING BRACKETS

MTC-xxUB: U-brackets for installing Control 29AV, 30 and SB210. Available in black or white.



MTC-xxUB
U-BRACKET



MTC-xxH* HORIZONTAL
ARRAY BRACKETS



MTC-xxV* VERTICAL
ARRAY BRACKETS



MTC-xxCM* CEILING
BRACKETS



SB-2 BRACKETS

MTC-xxH* Horizontal Array Brackets: Allows horizontal arraying of two Control 23, 25 or 28 speakers with splay angles of 60°. MTC-H brackets can be interconnected to form a suspended ring for mounting 6 speakers or 3 speakers in a 360° cluster module.



3) MTC-xxH* A5 CLUSTER
MODULE BRACKET

MTC-xxV* Vertical Array Brackets: Allows vertical end-to-end arraying of up to three Control 23, 25, or 28 speakers in a tight attractive column.

MTC-xxCM* Ceiling Brackets: The curved arm allows installation of Control 23, 25, 28, 29AV or 30 speakers down from a ceiling.

SB-2 Installation Brackets: The MTC-SB2W wall/corner bracket allows mounting of the subwoofer onto a wall surface or into a corner. The MTC-SB2C ceiling bracket enables suspension of the SB-2 from above, projecting downward into the listening area.

Various adaptors for installing via threaded pipe or rod available from third party. Contact JBL for information.

*These models are available in different sizes. Specify speaker model when ordering.



CONTROL SB-2

CONTROL SB210

key features

- 1 INVISIBALL® MOUNTING TECHNOLOGY
- 2 WEATHEREDGE™ FOR MOISTURE PROTECTION
- 3 OPTIONAL FACTORY INSTALLED TRANSFORMERS
- 4 READY-TO-PAINT TEXTURED HIPS ENCLOSURES
- 5 SELECTION OF VERSATILE MOUNTING HARDWARE



All models available in black or white (-WH).

specifications

	CONTROL 23/23T	CONTROL 25/25T	CONTROL 25AV
FREQUENCY RANGE (-10 dB) ¹	85 Hz - 22 kHz (23) 100 Hz - 21 kHz (23T)	80 Hz - 16 kHz (25) 80 Hz - 15 kHz (25T)	70 Hz - 23 kHz
POWER CAPACITY: PROGRAM ² PINK ³	50 W (23) 25 W	150 W (25) 75 W	200 W 100 W
NOMINAL COVERAGE	90° x 90°	90° x 90°	100° x 100°
SENSITIVITY: 1 W, 1 m	86 dB SPL (23)	88 dB SPL (25)	87 dB SPL
NOMINAL IMPEDANCE	8 ohms (70V/100V 23T)	8 ohms (70V/100V 25T)	8 ohms
COMPONENTS: LOW FREQ. HIGH FREQ.	3 1/2 in (88 mm) 1/2 in (13 mm)	5 1/4 in (135 mm) 3/4 in (19 mm)	5 1/4 in (130 mm) 3/4 in (20 mm)
TRANSFORMER TAPS: 100V 70.7V	10 W (23T) 5 W (23T)	30, 15, 7.5 W (25T) 30, 15, 7.5, 3.7 W (25T)	60, 30, 15 W 60, 30, 15, 7.5 W
ENCLOSURE	HIPS (High Impact Polystyrene)	HIPS (High Impact Polystyrene)	HIPS (High Impact Polystyrene)
FINISH	Black or white (-WH)	Black or white (-WH)	Black or white (-WH)
DIMENSIONS (H x W x D)	193 x 140 x 111 mm 7.6 x 5.5 x 4.4 in	236 x 188 x 149 mm 9.3 x 7.4 x 5.8 in	236 x 186 x 159 mm 9.3 x 7.4 x 6.3 in
NET WEIGHT (each)	1.8 kg (4 lb) (23 & 23T)	2.3 kg (5 lb) (25) 3.6 kg (8 lb) (25T)	4.0 kg (9 lb)



The JBL CCS6000 System consists of four Control 23 speakers and one Control SB-2 subwoofer.

¹ Half-space (on wall).

² Continuous Program Power, which is a conservative expression of the system's ability to handle normal speech and music program material and is defined as 3 dB above the Continuous Pink Noise rating (IEC-shaped pink noise with a 6 dB crest factor, for 100 hours continuously).

³ Continuous Pink Noise for 100 hours.

	CONTROL 28/28T-60	CONTROL 29AV	CONTROL 30	CONTROL SB210	CONTROL SB-2
FREQUENCY RANGE (-10 dB) ¹	60 Hz - 16 kHz (28) 55 Hz - 15 kHz (28T-60)	40 Hz - 19 kHz	38 Hz - 17 kHz	42 Hz - 200 Hz	38 Hz - 160 Hz
POWER CAPACITY: PROGRAM ² PINK ³	175 W (28) 87 W	300 W 150 W	500 W 250 W	800 W 400 W N/A	340 W (both inputs) 170 W (both inputs) N/A
NOMINAL COVERAGE	90° x 90°	110° x 85° (rotatable)	120° x 110°	N/A	N/A
SENSITIVITY: 1 W, 1 m	92 dB SPL (28)	92 dB SPL	93 dB SPL	96 dB SPL (near corner) 102 dB SPL (on wall)	100 dB SPL (near corner) 94 dB SPL (on wall)
NOMINAL IMPEDANCE	8 ohms (70V/100V 28T)	8 ohms	8 ohms	8 ohms	8 ohms per input
COMPONENTS: LOW FREQ. MID FREQ. HIGH FREQ.	8 in (200 mm) 1 in (25 mm)	8 in (200 mm)	10 in (250 mm) 5 in (125 mm) 1 in (25 mm) comp. driver	2 x 10 in (250 mm)	10 in (250 mm) long-throw with dual voice coils
TRANSFORMER TAPS: 100V 70.7V	60, 30, 15 W (28T-60) 60, 30, 15, 7.5 W (28T-60)	110, 55, 28 W 110, 55, 28, 14 W	150, 75, 38 W 150, 75, 38, 19 W		
ENCLOSURE	HIPS (High Impact Polystyrene)	HIPS (High Impact Polystyrene)	HIPS (High Impact Polystyrene)	HIPS (High Impact Polystyrene)	Particle Board
FINISH	Black or white (-WH)	Black or white (-WH)	Black or white (-WH)	Black or white (-WH)	Black
DIMENSIONS (H x W x D)	380 x 280 x 220 mm 15.0 x 11.0 x 8.6 in	520 x 306 x 277 mm 20.5 x 12.0 x 10.9 in	593 x 372 x 345 mm 23.3 x 14.6 x 13.5 in	335 x 590 x 570 mm 14 x 23.3 x 22.5 in	394 x 585 x 343 mm 15.5 x 23.0 x 13.5 in
NET WEIGHT (each)	5.5 kg (12 lb) (28) 6.3 kg (14 lb) (28T-60)	12.2 kg (27 lb)	18.9 kg (42 lb)	17.1 kg (38 lb)	19.1 kg (42 lb)

key features

- ① INTUITIVE CONTROLS FOR EASE OF OPERATION
- ② BACK PANEL LED'S FOR SETTING KEY FUNCTIONS
- ③ MONO OR STEREO OPERATION
- ④ EASILY EXPANDABLE

Soundzone® Business Music Controllers



Business patrons are becoming accustomed to hearing great music quality in their homes, in their cars and in movie theaters. They now expect the same high quality sound in business environments. JBL Professional's Soundzone Business Music Systems make it easier than ever to get premium performance in business environments, while at the same time being very easy for end-users to operate.

The JBL Z21S and Z32S-A Soundzone Controllers are specifically designed for flexible control of multiple audio sources. With unparalleled ease of use, the user simply selects the music source, its volume and the mic paging volume. Sophisticated functions such as AutoWarmth® and LevelGuard™ operate automatically without requiring technical knowledge on the part of end-users.

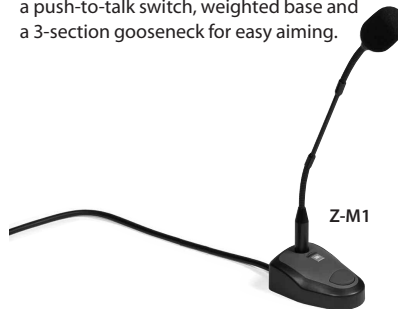
Z21S & Z32S-A SOUNDZONE CONTROLLERS

Ease of Use and Installation: Soundzone controls are intuitive; the user simply selects the music source and volume for each zone. What's more, many functions are automatic, so no involvement or special training is required by the end-user. For the installer, Soundzone is easy to setup. Back panel LED's guide in setting key functions.

Output Zone Capabilities: The inclusion of built-in subwoofer crossovers on the zone outputs makes it easier to include a subwoofer in the sound system or to more easily add a subwoofer at a later date. Stereo-capable zones add spaciousness to business environments. Zones can also be used in mono.

MICROPHONE

PAGING MICROPHONE: The Z-M1 is specifically designed for use with Soundzone controllers. This large, easy to see microphone features a push-to-talk switch, weighted base and a 3-section gooseneck for easy aiming.



ACCESSORIES

WALL PLATES: The ZR-V Wall Plate adjusts the volume of the music. It operates as attenuate-only from the volume setting on the Soundzone Controller.

ZR-2SV and ZR-3SV Wall Plates allow remote selection of source and volume for Z21S or Z32S-A controllers.

Note: Soundzone wallplates connect via common Category 5 cable. These wall plates are standard U.S. size.

specifications

	Z32S-A	Z21S
INPUT SOURCES	3 (stereo or mono)	2 (stereo or mono)
OUTPUT ZONES	2 (stereo or mono) + Aux out	1 (stereo or mono)
INPUTS: LINE	Unbalanced, RCA connector X 2, per source	
MIC	Balanced, Euroblock connector	
INPUT NOISE: LINE	<0.06%, 20 Hz - 20 kHz (0 gain)	
MIC	-118 dBu EIN	
ZONE OUTPUTS	Balanced, Euroblock connector	
SUBWOOFER	Low-passed 100 Hz, 24 dB/octave Linkwitz-Riley	
HPF	High-pass, 100 Hz, 24 dB/octave Linkwitz-Riley	
FREQUENCY RESPONSE	Line Inputs: 30 Hz - 20 kHz ± 1 dB Mic Inputs: Band limited to 250 Hz - 8 kHz ± 1 dB	
EQUALIZATION	Bass: ± 8 dB @ 50 Hz; Treble: ± 8 dB @ 10 kHz, non-symmetrical	
DIMENSIONS (H x W x D)	46 x 482 x 178 mm 1.75 x 19 x 7 in	
NET WEIGHT (each)	2.2 kg (5 lb)	

Z21S AND Z32S-A SOUNDZONE CONTROLLERS

- Easily assign pages between Output Zones using a simple remote selector switch or hardwire configuration
- Adjustable music ducking during paging
- All-call and override functions
- Remote wall plates for remote source selection and/or volume adjustment
- Separate transformer isolated mono auxiliary output for a music-on-hold system or separate mono output zone
- Variable Priority Hold control