

JBL Professional

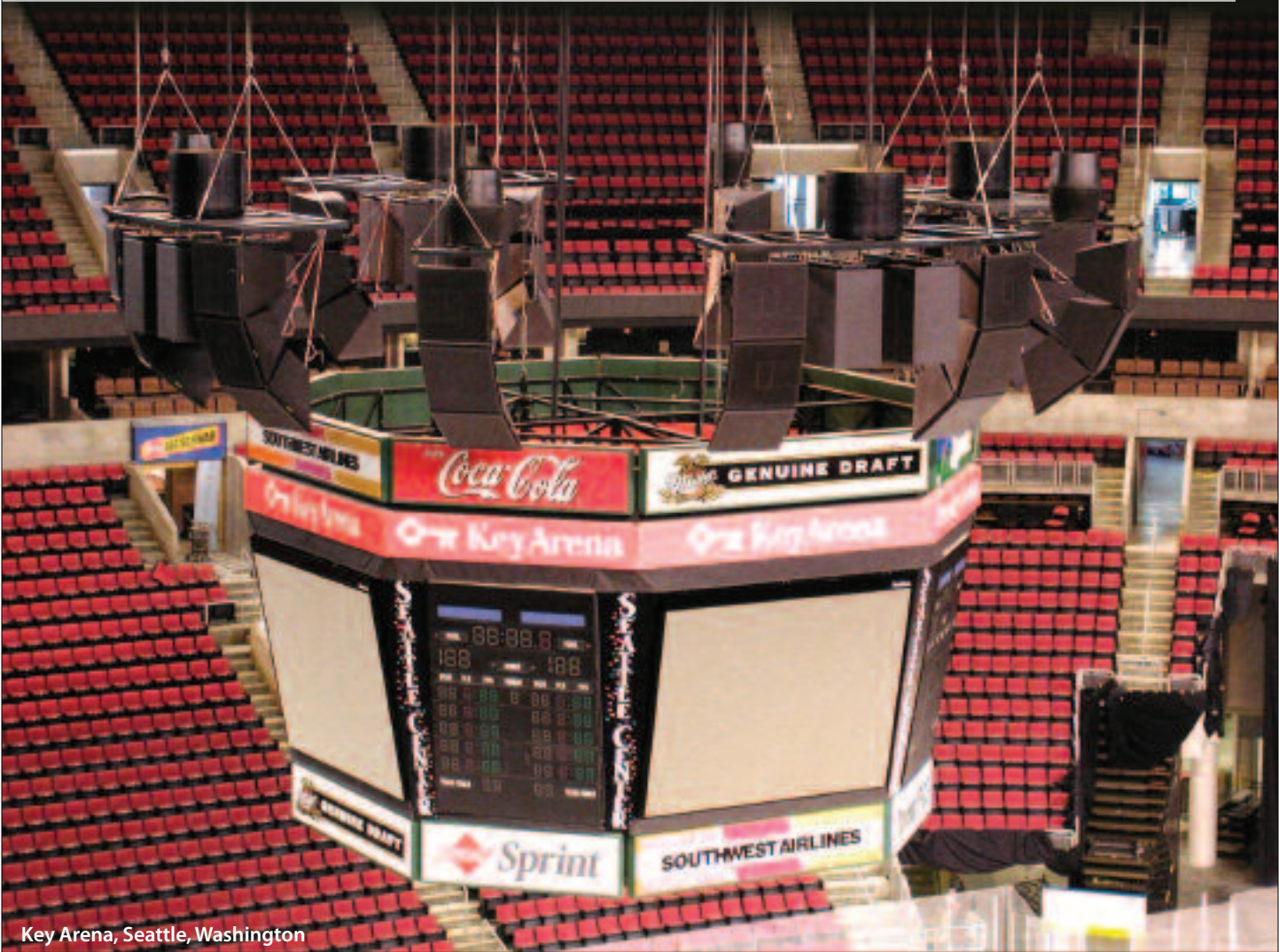
FULL LINE CATALOG 2005



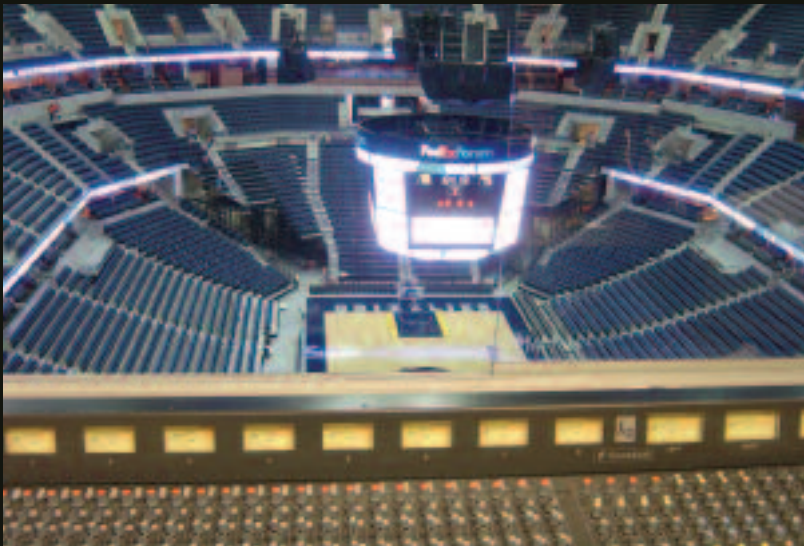
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Installation Products



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

● MOLDED ENCLOSURES WITH SHIELDED MAGNETIC STRUCTURES

● HIGH SENSITIVITY AND POWER HANDLING CAPABILITY



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

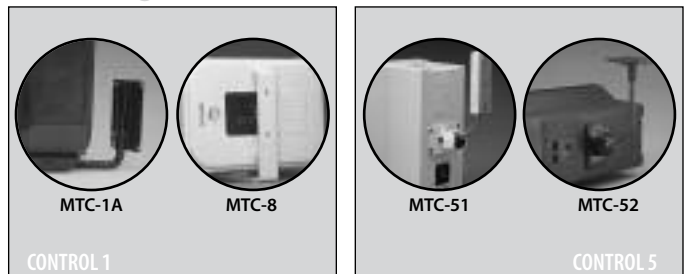
Control Series enclosures are designed for applications in which minimal space, tight corners and tough angles are all too common. Specialized mounting systems allow positioning of enclosures in exactly the right space for optimum performance.

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
NET WEIGHT (each)	1.8 kg (4 lb)	15.25 x 9.8 x 9 in 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

Control® Contractor

- ALL-IN-ONE CONVENIENCE FOR FAST INSTALLATION AND EASY STOCKING
- AGENCY APPROVED FOR USE IN AIR HANDLING SPACES

- PREMIUM PERFORMANCE
- SONICGUARD™ OVERLOAD PROTECTION

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 19CST 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).



24CT/MICRO and 24CT/MICROPLUS

CONTROL 24CT/MICRO AND CONTROL 24CT/MICROPLUS

The Control 24CT/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 24CT AND CONTROL 26CT

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/CST

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 19CST 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.



24CT

26CT

19CS/CST

specifications

	24CT/MICRO 24CT/MICROPLUS	24CT	26CT	26-DT	19CS/CST
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 (24CT MicroPlus)	30, 15, 7.5 W (24CT)	60, 30, 15 W (26CT)	60, 30, 15 W	60, 30, 15 W (19CST)
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 (19CST)
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) 19CST: 6.3 kg (14 lb)
See footnotes on facing page.				* 8" compatible mounting	

- MINIMAL VISUAL IMPACT
- HIGH POWER HANDLING CAPABILITY

- EASY TO INSTALL IN STANDARD STUD-WALL CONSTRUCTION
- 70V/100V VERSIONS AVAILABLE

Control® Contractor In-Wall Speakers



126W/WT

128W/WT

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 BEHIND SPEAKER	20-40 liters (.07 to 1.4 cu. ft.)	40-80 liters (1.4 to 2.8 cu. ft.)
ROUGH-IN FRAME	MTC-126RIF	MTC-128RIF
DIMENSIONS (H x W x D)	280 x 215 x 105 mm	334 x 257 x 110 mm
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), 70V/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-BRACKET

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



MTC-xxH* HORIZONTAL ARRAY 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* AS CLUSTER MODULE BRACKET



MTC-xxV* VERTICAL ARRAY BRACKETS

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

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



SB-2 BRACKETS

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

- INVISIBALL® MOUNTING TECHNOLOGY
- WEATHEREDGE™ FOR MOISTURE PROTECTION
- OPTIONAL FACTORY INSTALLED TRANSFORMERS
- READY-TO-PAINT TEXTURED HIPS ENCLOSURES
- 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 FINISH	HIPS (High Impact Polystyrene) Black or white (-WH)	HIPS (High Impact Polystyrene) Black or white (-WH)	HIPS (High Impact Polystyrene) 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	340 W (both inputs) 170 W (both inputs)
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) 1 in (25 mm) comp. driver	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 FINISH	HIPS (High Impact Polystyrene) Black or white (-WH)	HIPS (High Impact Polystyrene) Black or white (-WH)	HIPS (High Impact Polystyrene) Black or white (-WH)	HIPS (High Impact Polystyrene) Black or white (-WH)	Particle Board 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

- INTUITIVE CONTROLS FOR EASE OF OPERATION
- BACK PANEL LED'S FOR SETTING KEY FUNCTIONS
- MONO OR STEREO OPERATION
- 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.

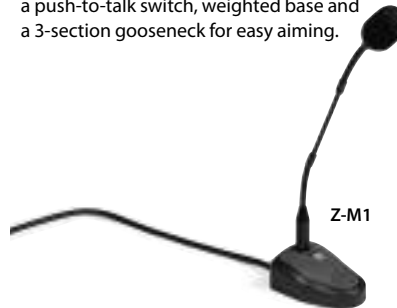
Z21S & Z32S-A SOUNDZONE CONTROLLERS

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	
NET WEIGHT (each)	1.75 x 19 x 7 in 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

Marquis Series

- HIGH PERFORMANCE VS. COST
- PRE-FITTED WITH M10 THREADED INSERTS
- VERTICAL OR HORIZONTAL ORIENTATION
- EQUIPPED WITH "YOKE MOUNT" BRACKETS



The Marquis Series is designed for use in fixed installation applications. This series has been value engineered to provide systems with the highest performance vs. cost available. The full range enclosures are pre-fitted with M10 threaded inserts and are supplied with an eyebolt kit. The MS26 and MS28 are equipped with "yoke mount" brackets and hardware. The cabinets suspend easily—both horizontally and vertically—offering a greater degree of versatility.

MS26

The MS26 is a full-range, low profile system with 100° x 70° dispersion. This system features two 6" LF transducers and a 1" exit titanium composite tweeter integrated to a newly designed elliptical waveguide. The MS26 is ideal for close ceiling mounting or under-balcony applications.

MS28

The MS28 is a full-range, low profile system with 85° x 85° dispersion. This system features two 8" LF transducers and a 1" compression driver on an Optimized Aperture Symmetrical Radiator. The MS28 is ideal for similar applications where higher power is needed.



Shrine Church of St. Stanislaus, Cleveland, Ohio

specifications

	MS26	MS28
SYSTEM TYPE	Two-way Full-range	Two-way Full-range
FREQ. RANGE (-10 dB)	45 Hz - 20 kHz	40 Hz - 20 kHz
FREQ. RESPONSE (-3 dB)	65 Hz - 19 kHz	60 Hz - 19 kHz
NOMINAL COVERAGE	100° x 70°	85° x 85°
POWER CAPACITY ¹	150 W	200 W
SENSITIVITY: 1 W, 1 m	91 dB	93 dB
NOMINAL IMPEDANCE	16 ohms	16 ohms
COMPONENTS: LF	2 x 152 mm (6 in)	2 x 203 mm (8 in)
HF	25 mm (1 in)	25 mm (1 in)
ENCLOSURE	Low profile	Low profile
FINISH	Black DuraFlex™	Black DuraFlex
INPUT CONNECTORS	2 x NL4 Neutrik® Speakon®	2 x NL4 Neutrik Speakon
DIMENSIONS (H x W x D)	599 x 217 x 241 mm 23.6 x 8.55 x 9.5 in	676 x 291 x 321 mm 26.6 x 11.45 x 12.65 in
NET WEIGHT (each)	8.2 kg (18 lb)	12.7 kg (28 lb)

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

AE Series

The AE Application Engineered™ Series was designed with one goal in mind, to deliver the performance and features contractors and consultants need and that listeners demand. Incorporating the latest loudspeaker technology, a wide selection of models, high performance features, reliability and a systems approach, AE Series has a loudspeaker for just about any challenge you might come across.

Whatever your need—whether performance-maximized or compact profile; tri-amp; bi-amp or passive crossover; higher power or lower cost; vertical or horizontal installation—

AE Series has the right loudspeaker for the job!



AM6340/95 shown without grille.

AE APPLICATION
ENGINEERED
SERIES™



key features

① SCALED SYSTEM APPROACH WITH VERSATILE OPTIONS

② VGC™ DRIVERS AND NEODYMIUM DIFFERENTIAL DRIVE® CONE TRANSDUCERS

③ PT™ PROGRESSIVE TRANSITION WAVEGUIDES FOR PATTERN CONTROL

Application Engineered™ Series

AE Series loudspeakers are ideal for a wide variety of fixed installation applications including performing arts facilities, theatrical sound design, auditoriums, houses of worship, live music clubs, dance-clubs/discotheques, sports facilities and themed entertainment venues. The special mid-high frequency models can be used without LF reinforcement in voice-only PA and delay-fill applications. The smaller models are ideal in lecture halls and corporate learning centers as well as in delay-fill locations of larger systems.

Scaled System Design Approach

AE Series models provide a wide variety of building blocks for your system design, stair-stepped to give you just the right solution for your installation.

6000 SERIES	6000-Series models are the highest power speakers in the AE Series. 4000-Series models are medium power and 2000-Series are at lower power points for applications not requiring high power capability.
4000 SERIES	
2000 SERIES	

Waveguide Scaling

Sometimes you need maximum pattern control. Other times the speaker needs to be as compact as possible. [AM] models are performance-maximized for the greatest pattern control. [AC] models are compact speakers that fit in areas where a smaller frontal profile is required.

Sophisticated Crossover Networks

AE Series models incorporate sophisticated crossover designs for outstanding sound quality and consistent coverage. To minimize overlap between adjacent frequency bands, steep slopes are utilized in passive crossovers — most are 4th order (24 dB/octave). This reduces off-axis lobing, providing consistent coverage throughout the crossover region. Conjugate networks are added in some models to fine tune the frequency response for optimum sound quality.

Selectable Crossover Mode

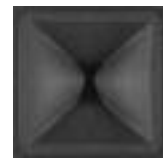
Many AE Series speakers offer selectable crossover modes: tri-amp/bi-amp or bi-amp/passive switchable.

Versatile Model Options

All AE Series speakers are available in several versions for matching décor or for outdoor use. Any model can be finished in white (-WH) or left unfinished and ready to paint (-UF). Additionally, two degrees of weather resistance are available. For many environments the basic weather resistance option (-WRC) is suitable. An extra thick DuraFlex™ coating, multilayer grille and component treatments provide excellent environmental protection. For extreme environments, with high humidity and/or rapid temperature cycling, a maximum weather treatment (-WRX) adds a full fiberglass covering of the cabinet.

Legendary JBL Transducers

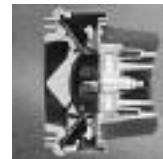
AE Series incorporates the legendary reliability of JBL's VGC™ Vented Gap Cooled drivers, augmented by today's new generation of JBL compression drivers and neodymium Differential Drive® cone transducers. Where reliability is important, JBL transducers are known as the best, most reliable drivers in the business.



PT™ Progressive Transition Waveguides

JBL's new patent pending Progressive Transition Waveguides represent the latest in horn technology.

In addition to providing smooth, low distortion sound, PT Waveguides deliver uniform off-axis frequency response to every point within the intended coverage area — not just in the horizontal and vertical planes — resulting in superior array-ability of multiple loudspeaker systems. PT Waveguides combine outstanding pattern control with undistorted sound for natural music and intelligible speech.



CMCD™ Cone Midrange Compression Drivers

Incorporated into all cone midrange models — patent pending CMCD

technology is more than a simple displacement plug. In addition to providing increased output and lower distortion, this cone-based true compression driver design extends operational bandwidth (both up and down in frequency) to cover the entire vocal range seamlessly, allows for better waveguide pattern control, and improves phase coherency of the midrange signal for clearer, more intelligible audio quality.

Rotatable Waveguides



The space often dictates how a speaker needs to be oriented. All [AM] two-way

and three-way models include a rotatable waveguide, allowing the speaker to be installed in either vertical or horizontal orientation.

MODEL NUMBERING KEY

AM6340/95 EXAMPLE

M = Performance Maximized	C = Compact	LF = Low Frequency	SB = Subwoofer	SH = Subwoofer Horn-Loaded
6000 = Highest Power	4000 = Medium Power	2000 = Lower Power		
3 = 3-Way	2 = 2-Way	1 = 1-Band		
The Number of LF Drivers			Woofer Size	
4 = 4 LF Drivers			8 = 18"	
2 = 2 LF Drivers			5 = 15"	
1 = 1 LF Driver			2 = 12"	
0 = 0 Mid-Hi or HF System			0 = 10"	
			<small>(For smaller future models, # may refer to the under-10" diameter)</small>	
Coverage Pattern				
Horizontal				
0 = 100°				
9 = 90°				
6 = 60°				
Vertical				
0 = 100°				
5 = 50°				
4 = 40°				
[AM] Rotatable				
[AC] NOT Rotatable				
<small>(Contact JBL about additional patterns)</small>				



AM6340/xx



AM6315/xx



AM6200/xx



AM4315/xx



AM4200/xx

AM	Maximixed 3-Way	AM6340/95 & /64	AM6315/95 & /64	AM6200/95 & /64	AM4315/95 & /64	AM4200/95 & /64
SYSTEM TYPE	High-power Three-way	High-power Three-way	High-power Three-way	High-power Mid-high	Medium-Power Three-way	Medium-Power Mid-high
FREQUENCY RANGE	50 Hz - 19 kHz (-10 dB)	38 Hz - 19 kHz (-10 dB)	38 Hz - 19 kHz (-10 dB)	200 Hz - 19 kHz (-10 dB)	40 Hz - 23 kHz (-10 dB)	350 Hz - 23 kHz (-10 dB)
FREQUENCY RESPONSE	55 Hz - 17 kHz (± 3 dB)	45 Hz - 17 kHz (± 3 dB)	45 Hz - 17 kHz (± 3 dB)	250 Hz - 17 kHz (± 3 dB)	50 Hz - 20 kHz (± 3 dB)	400 Hz - 20 kHz (± 3 dB)
NOMINAL COVERAGE	AM6340/95: 90° x 50° AM6340/64: 60° x 40°	AM6315/95: 90° x 50° AM6315/64: 60° x 40°	AM6315/95: 90° x 50° AM6315/64: 60° x 40°	AM6200/95: 90° x 50° AM6200/64: 60° x 40°	AM4315/95: 90° x 50° AM4315/64: 60° x 40°	AM4200/95: 90° x 50° AM4200/64: 60° x 40°
TRANSDUCER	LF	1200 W (4800 W peak)	1000 W (4000 W peak)	350 W (1400 W peak)	500 W (2000 W peak)	125 W (500 W peak)
POWER RATING(AES): MF	350 W (1400 W peak)	350 W (1400 W peak)	350 W (1400 W peak)	75 W (300 W peak)	MF/HF: 125 W (500 W peak)	35 W (120 W peak)
POWER RATING(AES): HF	75 W (300 W peak)	75 W (300 W peak)	75 W (300 W peak)	75 W (300 W peak)		
LONG-TERM POWER RATING(IEC): LF	1000 W (4000 W peak)	600 W (2400 W peak)	600 W (2400 W peak)	350 W (1400 W peak)	350 W (1400 W peak)	125 W (500 W peak)
LONG-TERM POWER RATING(IEC): MF/HF	350 W (1400 W peak)	350 W (1400 W peak)	350 W (1400 W peak)	350 W (1400 W peak)	(Passive mode)	125 W (500 W peak)
MAXIMUM SPL: LF	130 dB	125 dB	125 dB	133 dB	124 dB	127 dB
MAXIMUM SPL: MF	133 dB	133 dB	133 dB	133 dB		129 dB
MAXIMUM SPL: HF	134 dB	134 dB	134 dB	134 dB		127 dB
BI-AMP MODE: MF/HF	133 dB	133 dB	133 dB	133 dB	127 dB	127 dB
SELECTABLE CROSSOVER MODES	Bi-amp, Tri-amp	Bi-amp, Tri-amp	Bi-amp, Tri-amp	Bi-amp, Passive	Bi-amp, Passive	Bi-amp, Passive
SUSPENSION	13 points	13 points	13 points	13 points	13 points	13 points
DIMENSIONS (H x W x D)	1094 x 561 x 657 mm 43.1 x 22.1 x 25.9 in	967 x 561 x 657 mm 38.1 x 22.1 x 25.9 in	967 x 561 x 657 mm 38.1 x 22.1 x 25.9 in	548 x 561 x 657 mm 21.6 x 22.1 x 25.9 in	967 x 561 x 657 mm 38.1 x 22.1 x 25.9 in	548 x 561 x 657 mm 21.6 x 22.1 x 25.9 in
NET WEIGHT (each)	56.7 kg (125 lb)	48.3 kg (107 lb)	48.3 kg (107 lb)	29.0 kg (64 lb)	46.7 kg (103 lb)	28.1 kg (62 lb)



AM6215/xx



AM6212/xx



AM4215/xx



AM4212/xx

AM	Maximixed 2-Way	AM6215/95 & /64	AM6212/95, /64 & /00	AM4215/95 & /64	AM4212/95, /64 & /00
SYSTEM TYPE	High-power Two-way	High-power Two-way	High-power Two-way	Medium-power Two-way	Medium-power Two-way
FREQUENCY RANGE	35 Hz - 19 kHz (-10 dB)	40 Hz - 19 kHz (-10 dB)	40 Hz - 19 kHz (-10 dB)	40 Hz - 20 kHz (-10 dB)	55 Hz - 20 kHz (-10 dB)
FREQUENCY RESPONSE	45 Hz - 17 kHz (± 3 dB)	60 Hz - 17 kHz (± 3 dB)	60 Hz - 17 kHz (± 3 dB)	45 Hz - 18 kHz (± 3 dB)	70 Hz - 18 kHz (± 3 dB)
NOMINAL COVERAGE	AM6215/95: 90° x 50° AM6215/64: 60° x 40°	AM6212/95: 90° x 50° AM6212/64: 60° x 40° AM6212/00: 100° x 100°	AM6212/95: 90° x 50° AM6212/64: 60° x 40° AM6212/00: 100° x 100°	AM4215/95: 90° x 50° AM4215/64: 60° x 40°	AM4212/95: 90° x 50° AM4212/64: 60° x 40° AM4212/00: 100° x 100°
TRANSDUCER	LF	1000 W (4000 W peak)	800 W (3200 W peak)	500 W (2000 W peak)	400 W (2000 W peak)
POWER RATING(AES): HF	75 W (300 W peak)	75 W (300 W peak)	75 W (300 W peak)	35 W (140 W peak)	35 W (140 W peak)
LONG-TERM POWER RATING(IEC): PASSIVE MODE	600 W (2400 W peak)	600 W (2400 W peak)	600 W (2400 W peak)	350 W (2400 W peak)	350 W (2400 W peak)
MAXIMUM SPL: LF/HF	LF: 127 dB; HF: 133 dB	LF: 124 dB; HF: 139 dB	LF: 124 dB; HF: 139 dB	LF: 124 dB; HF: 128 dB	LF: 120 dB; HF: 125 dB
MAXIMUM SPL: PASSIVE MODE	127 dB	124 dB	124 dB	124 dB	120 dB
SELECTABLE CROSSOVER MODES	Bi-amp, Passive	Bi-amp, Passive	Bi-amp, Passive	Bi-amp, Passive	Bi-amp, Passive
SUSPENSION	15 points	15 points	15 points	15 points	15 points
DIMENSIONS (H x W x D)	783 x 422 x 504 mm 30.8 x 16.6 x 19.9 in	713 x 371 x 460 mm 28.1 x 14.6 x 18.1 in	713 x 371 x 460 mm 28.1 x 14.6 x 18.1 in	783 x 422 x 504 mm 30.8 x 16.6 x 19.9 in	713 x 371 x 460 mm 28.1 x 14.6 x 18.1 in
NET WEIGHT (each)	29.9 kg (66 lb)	26.3 kg (58 lb)	26.3 kg (58 lb)	29.0 kg (64 lb)	25.4 kg (56 lb)



AC2215/xx



AC2212/xx

AC

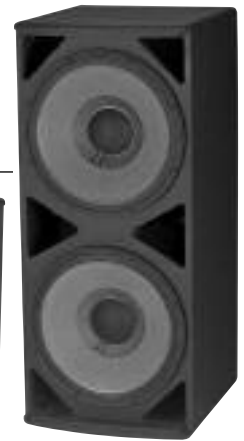
Compact 2-Way

AC2215/95, /64 & /00

AC2212/95, /64 & /00

	AC2215/95, /64 & /00	AC2212/95, /64 & /00
SYSTEM TYPE	Lower-power Two-way	Lower-power Two-way
FREQUENCY RANGE	42 Hz - 19 kHz (-10 dB)	50 Hz - 19 kHz (-10 dB)
FREQUENCY RESPONSE	50 Hz - 17 kHz (± 3 dB)	55 Hz - 17 kHz (± 3 dB)
NOMINAL COVERAGE	AC2215/95: 90° x 50° AC2215/64: 60° x 40° AC2215/00: 100° x 100°	AC2212/95: 90° x 50° AC2212/64: 60° x 40° AC2212/00: 100° x 100°
TRANSDUCER LF	275 W (1100 W peak)	300 W (1100 W peak)
POWER RATING(AES): HF	30 W (120 W peak)	30 W (120 W peak)
LONG-TERM POWER RATING (IEC)	250 W (1000 W peak)	250 W (1000 W peak)
MAXIMUM SPL: LF	121 dB	120 dB
HF	127 dB	129 dB
PASSIVE MODE	121 dB	120 dB
SELECTABLE CROSSOVER MODES	Bi-amp, Passive	Bi-amp, Passive
SUSPENSION	15 points	15 points
DIMENSIONS (H x W x D)	637 x 422 x 504 mm 25.1 x 16.6 x 19.9 in	548 x 355 x 352 mm 21.6 x 14.0 x 13.9 in
NET WEIGHT (each)	23.6 kg (52 lb)	18.1 kg (40 lb)

AL6125



AL6115



AL

Low Frequency

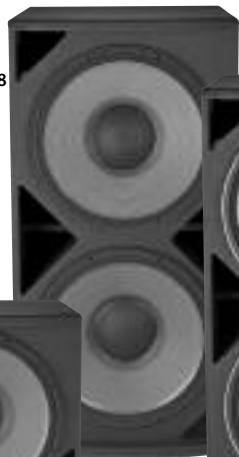
AL6115

AL6125

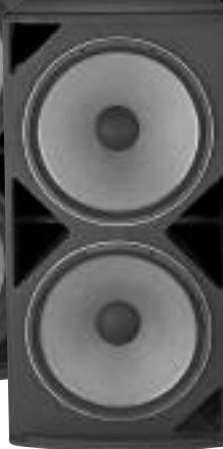
	AL6115	AL6125
SYSTEM TYPE	High-power Low Freq.	High-power Low Freq.
FREQUENCY RANGE	40 Hz - 2.5 kHz (-10 dB)	40 Hz - 2.5 kHz (-10 dB)
FREQUENCY RESPONSE	47 Hz - 2.1 kHz (± 3 dB)	42 Hz - 2.1 kHz (± 3 dB)
TRANSDUCER	1000 W (4000 W peak)	2000 W (8000 W peak)
POWER RATING(AES)	(2 hrs)	(2 hrs)
LONG-TERM SYSTEM POWER RATING	600 W (2400 W peak)	1200 W (2400 W peak)
POWER RATING	100 hrs	100 hrs
MAXIMUM SPL ¹	50 Hz -125 Hz: 129 dB 125 Hz - 800 Hz: 127 dB	50 Hz -125 Hz: 130 dB 125 Hz - 800 Hz: 129 dB
SELECTABLE CROSSOVER MODES	Discrete	Parallel, Discrete
ENCLOSURE	Trapezoidal, 15° side angles	Rectangular
SUSPENSION	13 points	12 points
DIMENSIONS (H x W x D)	548 x 561 x 657 mm 21.6 x 22.1 x 25.9 in	967 x 422 x 504 mm 38.1 x 16.6 x 19.9 in
NET WEIGHT (each)	29.0 kg (64 lb)	44.5 kg (98 lb)

¹ Maximum long-term average SPL. Peak SPL is 6 dB higher. Figure is for highest Q version.

ASB6128



ASB4128



ASB6128V



ASH6118



ASB

Subwoofers

ASB6118

ASB6128

ASB4128

ASB6128V

ASH Horn Loaded Subwoofer

ASH6118

	ASB6118	ASB6128	ASB4128	ASB6128V	ASH6118
SYSTEM TYPE	High-power Subwoofer	High-power Subwoofer	Medium-power Subwoofer	Extended Response Sub	Horn-loaded Subwoofer*
FREQUENCY RANGE	28 Hz - 1 kHz (-10 dB)	30 Hz - 1 kHz (-10 dB)	30 Hz - 1 kHz (-10 dB)	21 Hz - 300 Hz (-10 dB)	25 Hz - 250 Hz (-10 dB)*
FREQUENCY RESPONSE	35 Hz - 1 kHz (± 3 dB)	38 Hz - 1 kHz (± 3 dB)	40 Hz - 1 kHz (± 3 dB)	25 Hz - 300 Hz (± 3 dB)	30 Hz - 200 Hz (± 3 dB)
TRANSDUCER	1200 W (4800 W peak)	2400 W (9600 W peak)	1000 W (4000 W peak)	2400 W (9600 W peak)	1200 W (4800 W peak)
POWER RATING(AES)	(2 hrs)	(2 hrs)	(2 hrs)	(2 hrs)	(2 hrs)
LONG-TERM SYSTEM POWER RATING	800 W (3200 W peak)	1600 W (6400 W peak)	600 W (2400 W peak)	1600 W (6400 W peak)	800 W (3200 W peak)
POWER RATING	100 hrs	100 hrs	100 hrs	100 hrs	100 hrs
MAXIMUM SPL	30 Hz - 100 Hz: 129 dB 100 Hz - 500 Hz: 129 dB	30 Hz - 100 Hz: 136 dB 100 Hz - 500 Hz: 136 dB	30 Hz - 100 Hz: 133 dB 100 Hz - 500 Hz: 133 dB	30 Hz - 100 Hz: 134 dB 100 Hz - 500 Hz: 135 dB	30 Hz - 140 Hz: 133 dB
SELECTABLE CROSSOVER MODES	Discrete	Parallel, Discrete	Parallel, Discrete	Parallel, Discrete	Discrete
ENCLOSURE	Rectangular	Rectangular	Rectangular	Rectangular	Rectangular
SUSPENSION	14 points	12 points	14 points	13 points	None
DIMENSIONS (H x W x D)	548 x 561 x 816 mm 21.6 x 22.1 x 32.2 in	1094 x 561 x 816 mm 43.1 x 22.1 x 32.2 in	1094 x 561 x 816 mm 43.1 x 22.1 x 32.2 in	967 x 561 x 1215 mm 38.1 x 22.1 x 47.85 in	564 x 1530 x 1288 mm 22.3 x 56.4 x 50.7 in
NET WEIGHT (each)	44.5 kg (98 lb)	73.0 kg (161 lb)	64.9 kg (143 lb)	89.8 kg (198 lb)	159.3 kg (351 lb)

* Designed to be used in multiples (2 minimum, 4 optimum) with proximity placement or with proper boundary surface loading. Specifications shown are for one cabinet.

Precision Directivity™ PD5000 Series

The new PD5000 Series joins JBL's broad lineup of installed sound loudspeakers, complementing the larger PD700 mid-high cabinets with a more compact size and supplementing the smaller AE Series cabinets with higher SPL capability and larger horns for pattern control to a lower frequency. The PD5000 Series loudspeakers deliver high power and constant coverage in a low profile form.

Featured across the PD5000 Series, newly developed 24 by 24 inch PT™ Progressive Transition mid-frequency rotatable waveguides that provide versatility, excellent pattern control with low distortion and extremely natural sound character. This is an evolution of the waveguide technology of the successful JBL Professional Application Engineered™ (AE) install series. Also incorporating sophisticated, steep-slope passive crossover networks minimize band overlap, further enhancing off-axis pattern control. User accessible internal switches allow for a fully active crossover.

PD5200/43 (40° x 30°)

PD5200/64 (60° x 40°)

PD5200/95 (90° x 50°)

The PD5200 Series Precision Directivity mid-high frequency loudspeakers are designed for applications requiring high output capability with excellent pattern control.

The CMCD-82H cone midrange compression driver consists of a driver/phasing plug assembly providing high output with low distortion. CMCD-82H's extended response allows for smoother transition to the high frequency driver and the smaller entrance diameter into the waveguide provides for better pattern control. The internal 200 mm (8 inch) CMCD-82H features a high power neodymium Differential Drive® dual voicecoil design. The 2431H large format high frequency compression driver utilizes a neodymium magnet and aluminum diaphragm to deliver clear and intelligible high frequency projection, extended frequency response, and low distortion at even the highest drive levels.

PD5212/43 (40° x 30°)

PD5212/64 (60° x 40°)

PD5212/95 (90° x 50°)

The PD5212 Series Precision Directivity full range two-way loudspeakers are designed for applications requiring high output capability with excellent pattern control. The speakers can be utilized alone in music or speech systems where frequency extension to 80 Hz is adequate or combined with subwoofers to create extended bandwidth fullrange systems.

The M222-8A 300 mm (12 in) low frequency transducer features high sensitivity and low power compression for high continuous SPL capability. It is horn-loaded for additional sensitivity and improved pattern control. A newly designed low frequency phasing plug extends frequency response, providing smoother transition to the high frequency driver. The 2451H-1 large format high frequency compression driver utilizes a neodymium magnet and pure titanium diaphragm to deliver clear and intelligible high frequency projection, extended frequency response, and low distortion at even the highest drive levels.

PD5322/43 (40° x 30°)

PD5322/64 (60° x 40°)

PD5322/95 (90° x 50°)

The PD5322 Precision Directivity full range, three way loudspeakers are designed for applications requiring high output sensitivity with excellent pattern control. They can be utilized standalone in demanding music or speech systems where low frequency extension to 40 Hz is required.

The low frequency section features two 2206H 300 mm (12 in) VGC™ Vented Gap Cooled low frequency transducers featuring high sensitivity and low power compression for high continuous SPL capability. A newly designed loading plate covering the slot loaded low frequency transducers provides the highest possible sensitivity, low frequency output and system reliability.

The mid and high frequency sections are hornloaded for additional low-mid and midrange sensitivity and improved pattern control. The CMCD-82H cone midrange compression driver consists of a driver/phasing plug assembly providing high output with low distortion. The integral 200 mm (8 in) cone driver features a high power neodymium Differential Drive® dual, voicecoil design. The 2431H large format high frequency compression driver utilizes a neodymium magnet and aluminum diaphragm to deliver clear and intelligible high frequency projection, extended frequency response, and low distortion at even the highest drive levels.

PD5122

The PD5122 is intended for use as a flown or ground supported, high power low frequency module used in conjunction with mid/high-only or fullrange systems of the PD5000 series to construct arrays with extended low frequency pattern control.

Low frequency transducers are the 2206H 300 mm (12 in) VGC™ Vented Gap Cooled drivers. They deliver excellent low frequency extension with minimal power compression and low distortion plus high sensitivity and power handling.

PD5125

The PD5125 is a high power low frequency loudspeaker comprised of two 380 mm (15 in) VGC Vented Gap Cooled low frequency drivers in a front-loaded, vented configuration. Though it is intended for use as a flown or ground supported, high power low frequency module used in conjunction with mid/high or fullrange systems of the PD5000 and PD700 series, the PD5125 will perform well in any application where high output low bass is required.

Low frequency transducers are the 2226H 380 mm (15 in) VGC Vented Gap Cooled drivers. They deliver excellent low frequency extension with minimal power compression and low distortion plus high sensitivity and power handling. Large vent area assures minimal port compression and low distortion at high output levels.

PD5000 Series loudspeaker inputs include both Speakon® and CE-compliant covered barrier strips. The cabinets are fitted with twenty M10 threaded suspension points, supporting a wide variety of installation approaches. All cabinets are constructed with 11 ply birch and finished with black DuraFlex™.

key features

- LARGE PT™ PROGRESSIVE TRANSITION WAVEGUIDES FOR PATTERN CONTROL, LOW DISTORTION AND SMOOTH RESPONSE

- ROTATABLE WAVEGUIDES FOR HORIZONTAL OR VERTICAL CABINET ORIENTATION
- INTEGRAL, SOPHISTICATED STEEP-SLOPE PASSIVE CROSSOVER NETWORKS WITH BIAMP/ PASSIVE SWITCHABLE CROSSOVER MODES

- TWO FULLY-COMPATIBLE LOW FREQUENCY LOUDSPEAKERS FOR INSTALLATION VERSATILITY
- CLEAR, INTELLIGIBLE HIGH FREQUENCY PROJECTION



PD5200/43, PD5200/64 (shown)
PD5200/95



PD5212/43 (shown), PD5212/64
PD5212/95



PD5322/43, PD5322/64
PD5322/95 (shown)

specifications

	PD5200/43	PD5200/64	PD5200/95	PD5212/43	PD5212/64	PD5212/95
SYSTEM TYPE	Mid-High Frequency	Mid-High Frequency	Mid-High Frequency	Two-Way Full-Range	Two-Way Full-Range	Two-Way Full-Range
FREQUENCY RANGE ¹	200 Hz - 18 kHz (-10 dB)	200 Hz - 18 kHz (-10 dB)	200 Hz - 18 kHz (-10 dB)	80 Hz - 18 kHz (-10 dB)	80 Hz - 18 kHz (-10 dB)	80 Hz - 18 kHz (-10 dB)
FREQUENCY RESPONSE	240 Hz - 16 kHz (±3 dB)	240 Hz - 16 kHz (±3 dB)	240 Hz - 16 kHz (±3 dB)	90 Hz - 16 kHz (±3 dB)	90 Hz - 16 kHz (±3 dB)	90 Hz - 16 kHz (±3 dB)
SYSTEM SENSITIVITY: 1 W, 1m	111 dB SPL (Passive Mode)	110 dB SPL (Passive Mode)	109 dB SPL (Passive Mode)	109 dB SPL (Passive Mode)	107 dB SPL (Passive Mode)	106 dB SPL (Passive Mode)
NOMINAL COVERAGE	40° x 30°	60° x 40°	90° x 50°	40° x 30°	60° x 40°	90° x 50°
TRANSDUCER POWER RATING (AES) ²	MF: 350 W (1400 W pk), 100 hrs HF: 75 W (300 W pk), 2 hrs	MF: 350 W (1400 W pk), 100 hrs HF: 75 W (300 W pk), 2 hrs	MF: 350 W (1400 W pk), 100 hrs HF: 75 W (300 W pk), 2 hrs	LF: 400 W (1600 W pk), 2 hrs LF: 300 W (1200 W pk), 100 hrs HF: 75 W (300 W pk), 2 hrs	LF: 400 W (1600 W pk), 2 hrs LF: 300 W (1200 W pk), 100 hrs HF: 75 W (300 W pk), 2 hrs	LF: 400 W (1600 W pk), 2 hrs LF: 300 W (1200 W pk), 100 hrs HF: 75 W (300 W pk), 2 hrs
LONG-TERM ³ LF POWER RATING (IEC): MF/HF	300 W (1200 W peak), 100 hrs	300 W (1200 W peak), 100 hrs	300 W (1200 W peak), 100 hrs	300 W (1200 W peak), 100 hrs	300 W (1200 W peak), 100 hrs	300 W (1200 W peak), 100 hrs
MAXIMUM SPL: ⁴ LF	137 dB SPL (143 dB peak)	135 dB SPL (141 dB peak)	134 dB SPL (140 dB peak)	137 dB SPL (143 dB peak)	135 dB SPL (143 dB peak)	134 dB SPL (140 dB peak)
Cont. Avg. MF	135 dB SPL (141 dB peak)	135 dB SPL (141 dB peak)	133 dB SPL (139 dB peak)	135 dB SPL (141 dB peak)	135 dB SPL (141 dB peak)	133 dB SPL (139 dB peak)
HF	136 dB SPL (142 dB peak)	135 dB SPL (141 dB peak)	133 dB SPL (139 dB peak)	134 dB SPL (140 dB peak)	132 dB SPL (138 dB peak)	131 dB SPL (137 dB peak)
PASSIVE MODE: MF/HF						
ENCLOSURE	Trapezoidal, 12.5° side angles	Trapezoidal, 12.5° side angles	Trapezoidal, 12.5° side angles	Trapezoidal, 12.5° side angles	Trapezoidal, 12.5° side angles	Trapezoidal, 12.5° side angles
DIMENSIONS (H x W x D)	991 x 673 x 897 mm 39.0 x 26.5 x 35.3 in	991 x 673 x 706 mm 39.0 x 26.5 x 27.8 in	991 x 673 x 706 mm 39.0 x 26.5 x 27.8 in	991 x 673 x 897 mm 39.0 x 26.5 x 35.3 in	991 x 673 x 706 mm 39.0 x 26.5 x 27.8 in	991 x 673 x 706 mm 39.0 x 26.5 x 27.8 in
NET WEIGHT (each)	69.0 kg (152 lb)	58.8 kg (130 lb)	58.8 kg (130 lb)	75.5 kg (175 lb)	69.0 kg (152 lb)	69.0 kg (152 lb)

	PD5322/43	PD5322/64	PD5322/95	PD5122	PD5125
SYSTEM TYPE	Three-Way Full-Range	Three-Way Full-Range	Three-Way Full-Range	Slot-Loaded Low Frequency	Dual 15" Low Frequency
FREQUENCY RANGE ¹	41 Hz - 17 kHz (-10 dB)	41 Hz - 17 kHz (-10 dB)	41 Hz - 17 kHz (-10 dB)	41 Hz - 1 kHz (-10 dB)	37 Hz - 2.5 kHz (-10 dB)
FREQUENCY RESPONSE	49 Hz - 15 kHz (±3 dB)	49 Hz - 15 kHz (±3 dB)	49 Hz - 15 kHz (±3 dB)	49 Hz - 300 Hz (±3 dB)	42 Hz - 2.1 kHz (±3 dB)
SYSTEM SENSITIVITY: 1 W, 1m	111 dB SPL (Passive Mode)	110 dB SPL (Passive Mode)	109 dB SPL (Passive Mode)	96 dB (60 Hz - 250 Hz) ⁵	103 dB (50 Hz - 125 Hz) ⁵
NOMINAL COVERAGE	40° x 30°	60° x 40°	90° x 50°		
TRANSDUCER POWER RATING (AES) ²	LF: 1600 W (6400 W pk), 2 hrs LF: 1200 W (4800 W pk), 100 hrs MF: 350 W (1400 W pk), 100 hrs HF: 75 W (300 W pk), 2 hrs	LF: 1600 W (6400 W pk), 2 hrs LF: 1200 W (4800 W pk), 100 hrs MF: 350 W (1400 W pk), 100 hrs HF: 75 W (300 W pk), 2 hrs	LF: 1600 W (6400 W pk), 2 hrs LF: 1200 W (4800 W pk), 100 hrs MF: 350 W (1400 W pk), 100 hrs HF: 75 W (300 W pk), 2 hrs	1600 W (6400 W pk) 2 hrs ²	1600 W (6400 W pk) 2 hrs ²
LONG-TERM ³ LF POWER RATING (IEC): MF/HF	1200 W (4800 W pk) 300 W (1200 W pk), 100 hrs	1200 W (4800 W pk) 300 W (1200 W pk), 100 hrs	1200 W (4800 W pk) 300 W (1200 W pk), 100 hrs	1200 W (4800 W pk), 100 hrs ⁶	1200 W (4800 W pk), 100 hrs ⁶
MAXIMUM SPL: ⁴ LF	128 dB SPL (134 dB peak)	128 dB SPL (134 dB peak)	128 dB SPL (134 dB peak)	128 dB SPL (134 dB pk) ⁴	136 dB SPL (142 pk) (50 Hz - 125 Hz) ⁴
Cont. Avg. MF	137 dB SPL (143 dB peak)	135 dB SPL (141 dB peak)	134 dB SPL (140 dB peak)		
HF	135 dB SPL (141 dB peak)	135 dB SPL (141 dB peak)	135 dB SPL (139 dB peak)		
PASSIVE MODE: MF/HF	136 dB SPL (142 dB peak)	135 dB SPL (141 dB peak)	134 dB SPL (140 dB peak)		
ENCLOSURE	Trapezoidal, 15° side angles	Trapezoidal, 15° side angles	Trapezoidal, 15° side angles	Trapezoidal, 15° side angles	Trapezoidal, 10° side angles
DIMENSIONS (H x W x D)	991 x 673 x 897 mm 39.0 x 26.5 x 35.3 in	991 x 673 x 706 mm 39.0 x 26.5 x 27.8 in	991 x 673 x 706 mm 39.0 x 26.5 x 27.8 in	357 x 673 x 706 mm 14.1 x 26.5 x 27.8 in	991 x 476 x 691 mm 39 x 18.75 x 27.2 in
NET WEIGHT (each)	87.3 kg (192 lb)	77 kg (170 lb)	77 kg (170 lb)	36.4 kg (80 lb)	53.4 kg (118 lb)

¹In bi-amp mode, with recommended active tuning.
²AES standard, one decade pink noise with 6 dB crest factor within device's operational band, free air. Standard AES 2 hr rating plus long-term 100 hr rating are specified for low-frequency transducers.
³IEC standard, full bandwidth pink noise with 6 dB crest factor, 100 hours, passive mode.
⁴Calculated based on power rating and sensitivity, exclusive of power compression.
⁵Anechoic sensitivity in free field, no additional sensitivity gains from boundary loading.
⁶AES standard, one decade pink noise with 6 dB crest factor, in cabinet, long-term 100 hr rating.

● FSA™ FORWARD STEERED ARRAY ENCLOSURE CONFIGURATIONS

● AVAILABLE SUSPENSION TRUSS COMPONENTS FOR EASY AND COST EFFECTIVE ARRAY BUILDING

Precision Directivity™ PD700 and PD100



One of the challenges in large arenas, stadiums, houses of worship and performance spaces is to provide quality sound to every seat with the volume and clarity demanded by today's concert, sporting and special events. JBL Professional's Precision Directivity™ (PD) line of speakers uses a full range, full bandwidth total system approach that allows contractors and consultants to design a fully integrated sound system solving the audio challenges inherent to these types of large installations.

PD743 (40° x 30°) AND PD764 (60° x 40°)

The **PD743** and **PD764** mid-high loudspeaker systems provide high-impact sound reinforcement at throw distances that are beyond the reach of traditional single-driver designs. A single module produces greater than 104 dB SPL (continuous) at distances of 65 m (215 ft) with a 40° by 30° coverage pattern (PD743) or a 60° by 40° coverage pattern (PD764). These systems may be used in arrays with other PD Series modules or singly as part of a distributed system.

PD100 Low Frequency Modules

PD100 loudspeakers are modules utilized in multiples to create FSA Forward Steered Arrays™, which provide excellent pattern control of low frequencies, ensuring even coverage of the audience area and high off-axis attenuation,

which substantially increases sound quality by maximizing the ratio of direct-to-reflected low frequency sound. The PD100 Calculator, available from JBL Professional, helps the system designer decide the model to use, the quantity of cabinets, how to configure them, and the DSP settings to utilize for the required coverage.

PD125

The **PD125** is a high power low frequency module designed for use in arrays and in conjunction with other PD Series systems to construct fullrange systems. Each PD125 module uses two 2226H 15" transducers, mounted "magnets out" for maximum heat transfer, assuring long term reliability at high power levels. Each transducer is mounted in a separate vented subchamber.

PD128

The **PD128** is a high power subwoofer module designed for use in arrays and in conjunction with other PD Series systems to construct fullrange systems.

PD162

The **PD162** mid bass module consists of three models: PD162, PD162L4 and PD162U4. The PD162U4 and PD162L4 are specialized beamsteering modules with four transducers each. PD162 is the standard, fully configured version featuring a full complement of six transducers. All three models share common enclosure dimensions and features. This allows for construction of compact, simple to rig, densely packed arrays using simple, cost effective truss components.

specifications

	PD743	PD764	PD125	PD128	PD162
SYSTEM TYPE	Mid High Loudspeaker System	Mid High Loudspeaker System	LF Array Module	Subwoofer Array Module	Mid Bass Array Module
FREQUENCY RANGE	150 Hz - 17 kHz (-10 dB)	150 Hz - 17 kHz (-10 dB)	38 Hz - 1.7 kHz (-10 dB)	26 Hz - 2.3 kHz (-10 dB)	60 Hz - 1.7 kHz (-10 dB)
FREQUENCY RESPONSE	200 Hz - 15 kHz (± 3 dB)	200 Hz - 15 kHz (± 3 dB)	200 Hz - 15 kHz (± 3 dB)	34 Hz - 1.4 Hz (± 3 dB)	78 Hz - 900 Hz (± 3 dB)
NOMINAL COVERAGE	40° x 30° (H x V)	60° x 40° (H x V)			
SENSITIVITY (1 W, 1 m)	MF: 111 dB, HF: 118 dB	MF: 109 dB, HF: 116 dB	100 dB	99 dB	102 dB
NOMINAL IMPEDANCE	MF: 8 ohms, HF: 16 ohms	MF: 8 ohms, HF: 16 ohms	4 ohms	4 ohms	3 x 4 ohms
INPUT POWER RATING	MF: 700 W, AES; 2800 W peak HF: 150 W, AES; 600 W peak	MF: 700 W, AES; 2800 W peak HF: 150 W, AES; 600 W peak	1200 W, AES; 4800 W peak	1600 W, AES; 6400 W peak	3600 W, AES; 14,400 W peak
TRANSDUCERS	2 x 2250J (203 mm/8 in) 2 x 2430H (75 mm/3 in)	2 x 2250J (203 mm/8 in) 2 x 2430H (75 mm/3 in)	2 x 2226H (380 mm/15 in)	2 x 2242H (460 mm/18 in)	6 x 2206H (300 mm/12 in)
ENCLOSURE	Dual Trapezoidal 25° V, 35° H	Dual Trapezoidal 35° V, 55° H	Rectangular	Vertically Trapezoidal 30° angle	Rectangular
FINISH	Black DuraFlex™	Black DuraFlex	Black DuraFlex	Black DuraFlex	Black DuraFlex
INPUT CONNECTORS	1 x NL4 Neutrik® Speakon®	1 x NL4 Neutrik Speakon	2 x NL4 Neutrik Speakon	2 x NL4 Neutrik Speakon	2 x NL8 Neutrik Speakon
DIMENSIONS (H x W x D)	991 x 991 x 1146 mm 39 x 39 x 45.1 in	991 x 991 x 883 mm 39 x 39 x 34.75 in	889 x 432 x 724 mm 35 x 17 x 28.5 in	551 x 1676 x 864 mm 21.7 x 66 x 34 in	991 x 622 x 381 mm 39 x 24.5 x 15 in
NET WEIGHT (each)	111.4 kg (245 lb)	97.7 kg (215 lb)	57 kg (125.5 lb)	104.2 kg (229 lb)	86.1 kg (189.5 lb)

- ➊ UNSURPASSED JBL ENGINEERING
- ➋ RENOWNED JBL TRANSDUCERS
- ➌ WORLD-CLASS MANUFACTURING

JBL Custom Shop



JBL Professional manufactures the world's most advanced off-the-shelf loudspeaker systems, a very broad selection of standard product lines and models—from PD Precision Directivity™ and VERTEC® for large venues to Control Contractor's wide range of smaller loudspeakers. Within each product line, a wide assortment of models provides the right selection for virtually any application. For instance, the AE Application Engineered™ Series offers models in a variety of power levels, in white, in two levels of weather resistance, in a range of sizes and with a selection of coverage patterns.

Despite this broad lineup of models, there may be situations where a project calls for a unique approach. For applications requiring specialized loudspeakers, we offer the specialized services of the JBL Professional Custom Shop.

The Custom Shop designs and builds speakers to meet unique requirements such as specific-dimension cabinets to fit particular spaces, high transducer density systems to meet very high SPL requirements, compound cabinets to achieve non-standard coverage, loudspeakers that meet distinctive architectural requirements and other unique challenges.

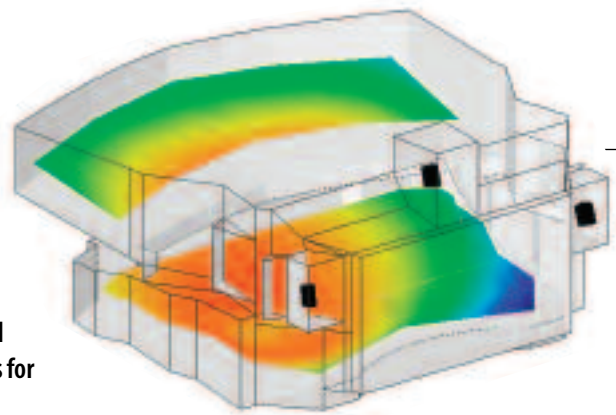
Custom loudspeakers are designed by the most experienced engineering team in the industry, the same group responsible for JBL's standard products. They are manufactured in the same world-class factory as standard product, guaranteeing the most rigorous attention to manufacturing excellence.

JBL Professional offers a very broad line of off-the-shelf loudspeakers. However, when you need a specialized speaker that does not appear in this catalog, the JBL Professional Custom Shop provides solutions incorporating unparalleled technology, quality, experience, and manufacturing excellence.

Several of the Custom Shop's most popular products have been made available as the CSA (Contractor Special Application) Series. See jblpro.com/pages/pre_engineered1_main.htm for details. The list is frequently expanded and updated.

EASE v4.1

EASE v4.1 is an acoustic simulation software program designed for the Windows operating system that provides sound system designers an invaluable tool for predicting the performance of a sound system in a given venue. The software program allows for accurate loudspeaker coverage and room interaction estimation, intelligibility, time arrival, and similar acoustical predictions, auralisation, and the ability to utilize current loudspeaker dll files for modeling VerTec® Line Arrays.



All features of EASE 4.1 are available as a block, or as partial options. As before, licensing is effected by means of a License Key; however, contrary to the procedure known from version 3.0, this can be obtained directly via the Internet immediately after installation of the program. Program updates can be downloaded directly from the Internet, as well. Other special features of EASE 4.1 for Windows include:

- Enhanced user-friendly windows for menus and working surfaces allow direct access to the various program modules and program parameters
- Improved and simplified entering of room data, no limitation of model components, newly developed DXF import from AutoCAD 3D volume models, and entering of textures
- Simplified Room Modeling thanks to new Tools like expanded Extrude function and Object definition for partial models
- Room Visualization by high-definition rendering technique and with textures
- New Hide Option as 3D Rendering by means of lighting appliances
- New room-acoustical calculating module AURA based on CAESAR (University of Aachen) offers new and expanded tools and indexes not available in v3.0
- New Ray-Tracing options in AURA, like Echogram and AURA-Response
- 2D and 3D Mapping of all room-acoustical measures according to ISO 3382 with due application of the expanded Wall Material data base (absorption and diffusion)
- Better visualization of impulse response computations
- New Predicted Tail computation for obtaining a complete impulse response
- Expanded features of off-line and online (real time) Auralization in EARS

EASE 4.1 for Windows is totally compatible with EASE 3.0 and is capable of reading all EASE loudspeaker and project data files and of converting them into the new format. Current EASE 3.0 users will be able to upgrade to version 4.1 for a nominal upgrade charge. Visit us online at jblpro.com for specific hardware requirements.

For more complete information on EASE 4.1 and to download other software from JBL Professional, see jblpro.com/pages/software_downloads.htm.

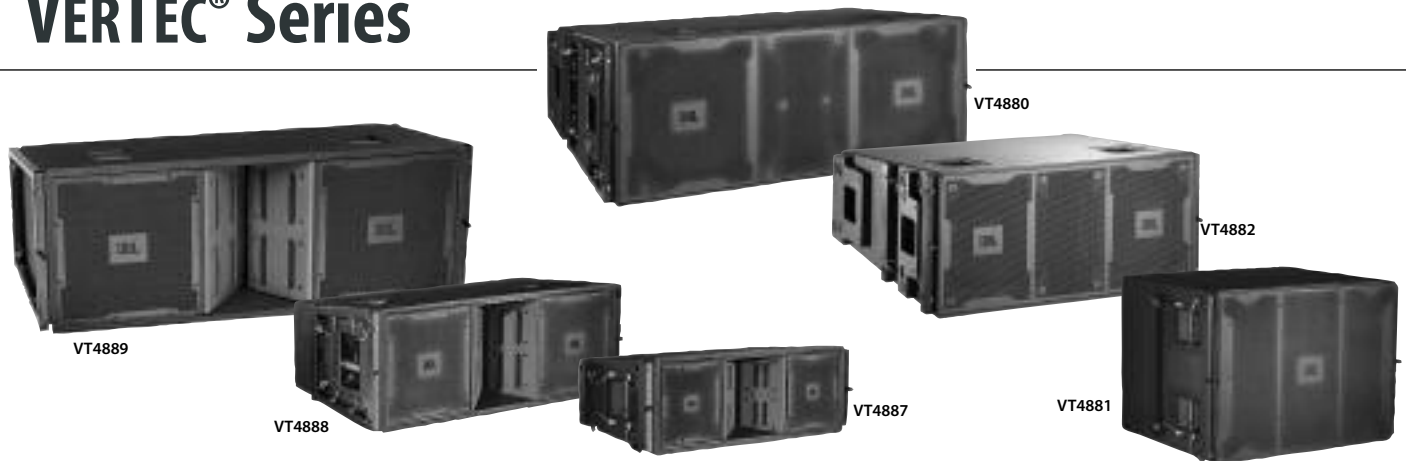
Tour Sound Products

Perhaps more than any other single company in the professional sound industry, JBL Professional, under the guiding wisdom of founder James B. Lansing, has shaped large scale forms of public entertainment we now take for granted. Through Mr. Lansing's development of revolutionary transducers and the resulting sound reinforcement technologies, concerts and special events of all types can now enjoy exceptional sound quality.

JBL has continued this tradition of revolutionary technology with the introduction of VERTEC® – a flexible, high performance product line with compact, midsize and full-size line array elements and companion subwoofers. It's the ideal solution to a broad range of sound reinforcement challenges for both portable rental inventories, and fixed performance-venues. Now, with the introduction of JBL VERTEC DP Series with JBL DrivePack™ technology, integrated audio systems are available that bring both high power and high fidelity to self-powered line array systems.

JBL VERTEC® VT4889, VT4887 systems
2004 Billboard Latin Music Awards
Sound System Supplier: Acotech (Miami, Florida)

VERTEC® Series



JBL's early research into column-type line arrays over 25 years ago provides a solid foundation to VERTEC – Line arrays with lineage. Combining JBL's latest generation of high-powered lightweight transducers with proven line array theory, precisely-adjustable array elements and an accurate predictive software application, this industry-leading product line enables tour sound system operators, rental companies and performance venues to achieve predictable, consistent results. And for maximum flexibility, models VT4881, VT4882, VT4887 and VT4888 are "Power-Ready": pre-engineered to accept optional self-powered JBL DrivePack™ self-powered amplifier modules with integral digital signal processing.



VERTEC® VT4889

The VT4889 is a full size, lightweight enclosure housing two 15" woofers, four 8" midrange radiators, and three high frequency compression drivers. These advanced components provide the highest power-to-weight ratio of any speaker in the full-size line array element category.



VERTEC® VT4887

The VT4887 is a compact, lightweight line array element housing two 8" woofers, four 4" midrange radiators, and two high frequency compression drivers. Offering high output for its size, it can be used in stand-alone arrays or in combination with other VERTEC system products.

VT4881

The VT4881 is a compact, lightweight, vented subwoofer enclosure housing a dual voice coil 15" woofer. This advanced component has a compliance capable of a 3" (76 mm) peak-to-peak cone excursion for true very low frequency performance to 18 Hz.

VT4888

The VT4888 is a midsize, lightweight line array element housing two 12" woofers, four 5 1/2" midrange radiators, and two high frequency compression drivers. It is designed for use in stand-alone arrays or in combination with other VERTEC system products.

VT4882

The VT4882 is a midsize, lightweight centrally vented subwoofer enclosure housing two long-extension 15" woofers. These advanced components, each fitted with dual voice coils, provide high output capabilities with an advantageous power-to-weight ratio.

VT4880

The VT4880 is a fullsize, lightweight centrally vented subwoofer enclosure housing two 18" woofers. These advanced components, each fitted with dual voice coils, provide high output capabilities for an arrayable enclosure fully compatible with the VT4889 full range system.

specifications

	VT4889	VT4888	VT4887	VT4882	VT4881	VT4880
SYSTEM TYPE	Full size Three-way	Midsize Three-way	Compact Bi-amped Three-way	Midsize Dual 15" Subwoofer	Compact 15" Subwoofer	Full size 18" Subwoofer
FREQUENCY RESPONSE	45 Hz - 16 kHz (± 3 dB)	60 Hz - 16 kHz (± 3 dB)	80 Hz - 20 kHz (± 3 dB)	32 Hz - 110 Hz (± 3 dB)	22 Hz - 125 Hz (± 3 dB)	28 Hz - 75 Hz (± 3 dB)
COVERAGE (H) -6 dB	90° nominal	90° nominal	100° nominal			
250 Hz - 16 kHz			(500 Hz - 16 kHz)			
SENSITIVITY: 1 W, 1 m	LF: 99 dB, MF: 102 dB, HF: 116 dB	LF: 98 dB, MF: 102 dB, HF: 114 dB	LF: 97 dB, MF/HF: 101 dB	LF: 95 dB (35 Hz - 120 Hz)	LF: 90 dB (2.83v/1m)	LF: 98 dB (2.83v/1m)
NOMINAL IMPEDANCE	LF: 2 x 8 ohms, MF: 8 ohms, HF: 16 ohms	LF: 2 x 8 ohms, MF: 8 ohms, HF: 16 ohms	LF: 8 ohms, MF/HF: 8 ohms	LF: 8 ohms (Each coil independently wired)	LF: 8 ohms (Each coil independently wired)	LF: 2 x 8 ohms
INPUT POWER RATING ¹ : LF	2000 W	2000 W	1000 W	2000 W	1000 W	2000 W
MF	1400 W	600 W	225 W (MF/HF)			
HF	225 W	150 W				
TRANSDUCERS: LF	2 x 2255H (15 in)	2 x 2262H (12 in)	2 x 2168I (8 in)	2 x 2266H (15 in) (Dual-Coil)	1 x 2256G (15 in) (Dual-Coil)	2 x 2258H (18 in) (Dual-Coil)
MF	4 x 2250H (8 in)	4 x 2106H (5 1/2 in)	4 x 2104H (4 in)			
HF	3 x 2435H	3 x 2431H	2 x 2407H			
ENCLOSURE	Wedge Frustrum	Wedge Frustrum	Wedge Frustrum	Wedge Frustrum	Rectangular parallel piped	Wedge Frustrum
FINISH	DuraFlex™	DuraFlex	DuraFlex	DuraFlex	DuraFlex	DuraFlex
INPUT CONNECTORS	NL8, 2 each	NL8, 2 each	NL8, 2 each	NL8 and NL4, 2 each	NL8, 2 each	NL4, 2 each
DIMENSIONS (H x W x D)	489 x 1213 x 546 mm	355 x 991 x 508 mm	279 x 787 x 406 mm	457 x 1013 x 858 mm	559 x 787 x 686 mm	493 x 1229 x 860 mm
NET WEIGHT (each)	72 kg (159 lb)	49 kg (108 lb)	28 kg (62 lb)	52 kg (114.6 lb)	55 kg (120 lb)	59.9 kg (132 lb)

¹ AES standard, one decade pink noise with 6 dB crest factor within device's operational band, free air. Standard AES 2 hour rating plus long term 100 hour rating are specified for cone transducers.

VERTEC® Series

Flexible Line Array Solutions

All models in the VERTEC product line are engineered to offer sound reinforcement professionals solutions to meet nearly any challenge. Each model is compatible with others in the line, both mechanically and acoustically. With built-in advantages like lightweight construction, high output, and integral rigging hardware, each VERTEC model is designed to deliver premium-quality audio for a wide range of applications including concert touring, corporate A/V system support, and fixed systems in performance venues.

HIGH-PERFORMANCE FEATURES

Each model in the VERTEC system family includes a suite of high performance technologies, engineered to work together to maximize utility and audio performance.

PlyMax™ enclosure technology is used for constructing the VT4888, VT4887, VT4882, VT4881 and VT4880 systems. PlyMax offers rigid enclosure characteristics along with dramatic weight savings. The flagship model VT4889 features an advanced composite shell.

Advanced Transducers give each VERTEC system its performance edge. Like the full-size VT4889 and VT4880 subwoofer, each compact and midsize model features loudspeaker components with neodymium magnets, and dual voice-coil woofers. This combination enables the exceptionally high output characteristics the VERTEC line is legendary for, while ensuring pristine, low-distortion audio reproduction of any type of speech or music.

Precision waveguides are coupled to the advanced-technology drivers to create an uninterrupted vertical 'ribbon' of high frequency energy.

Radiation Boundary Integrators™ in the midrange section of each system serve a dual purpose. The RBI (patents applied for) reduces diffraction effects and smooths high frequency coverage.

Robust low frequency components are a hallmark of the entire line. All woofers rely on dual voice coil technology for unparalleled output capabilities.

TOUR-READY SYSTEMS

Each model in the VERTEC line is intended to support the type of rugged use encountered when professional-quality loudspeaker systems are transported from venue to venue, supplying audio support services for a broad range of musical programs and special events. Care has been given to system design ergonomics, making VERTEC arrays among the simplest and fastest to setup and takedown.

All enclosures feature JBL Professional's rugged DuraFlex™ exterior finish. Each system features loudspeaker components with weather-resistant cone treatment.

SUSPENSION HARDWARE

All models in the VERTEC line are fitted with integral end-mounted rigging frames. These load-rated, heat-treated, premium-grade tubular frames couple together using quick-release pins and hinge bars to create arrays that are rigid for maximum strength, yet flexible in design and application.

ARRAY FRAME OPTIONS

The VERTEC suspension system includes several frame options for hanging arrays of various sizes. "AF" (Array Frames) and "SF" (Short Frames) are available in each size for use with compact, midsize and full-size line array elements. The Short Frames can also be used as an 'anchor' at the bottom of large arrays, if a separate pickup point is required to tilt the array. These frames are also suitable for ground-stacking up to 6 enclosures (AF models) or 4 enclosures (SF models).

LINE ARRAY CALCULATOR SOFTWARE

Available to system users on Part # CD VTUSER-0504, this MSeXcel file provides a wealth of technical information about VERTEC line array system designs and their performance expectations in various audience seating areas.



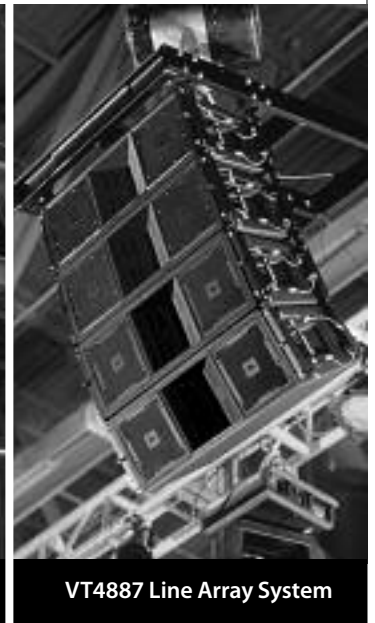
VT4888 Line Array System



VT4882 Subwoofer Line Array



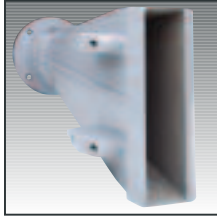
VT4881 Subwoofer Line Array



VT4887 Line Array System

key features

- ① INDUSTRY'S SMALLEST, LIGHTEST, MOST POWERFUL HIGH FREQUENCY COMPRESSION DRIVERS
- ② ADVANCED TECHNOLOGY COMPONENTS
- ③ PRECISION WAVEGUIDES COUPLE TO CREATE HF VERTICAL SLOT APERTURE
- ④ RADIATION BOUNDARY INTEGRATOR TECHNOLOGY INTEGRATES OUTPUT OF INDIVIDUAL BANDPASS ELEMENTS
- ⑤ EXCEPTIONALLY RIGID, LIGHTWEIGHT ENCLOSURE CONSTRUCTION
- ⑥ RUGGED DURAFLEX™ EXTERIOR FINISH, WEATHERIZED COMPONENTS
- ⑦ INTEGRATED S.A.F.E.™ SUSPENSION SYSTEM



PRECISION WAVEGUIDES



RBI™: RADIATION BOUNDARY INTEGRATOR



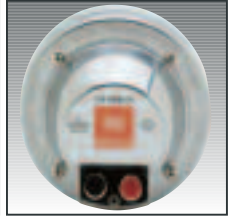
INPUT PANEL WITH PARALLEL CONNECTORS



2255H 15" DIFFERENTIAL DRIVE LOUDSPEAKER



2250H 8" MIDRANGE CONE TRANSDUCER



2435H HIGH PERFORMANCE COMPRESSION DRIVER

VERTEC SYSTEM FEATURES

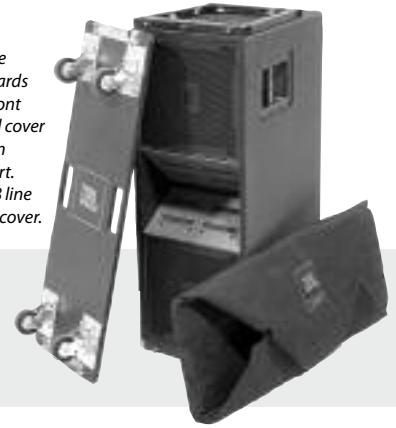
VT4889 SYSTEM COMPONENTS

accessories

These accessories ship with the VT4889 and are also available as replacement items.

- VT4889-DOLLY Dolly; doubles as protective front cover 11.4 kg, 25 lb.
- VT4889-COVER Ballistic nylon and aluminum-reinforced 3.6 kg, 8 lb.
- VT4889-RIG Set of (4) Hinge bars, includes (2) long/rear (set of four) and (2) short/front, including slider knobs for each short (front) hinge bar. 4.2 kg, 9.3 lb.

VERTEC line array elements are available with dolly wheelboards that double as a protective front plate, and reinforced, padded cover bags for maximum protection during handling and transport. Shown here on end, a VT4888 line array element with dolly and cover.



These accessories are also available for the VT4889 and VT4880.

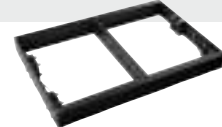
- VT4889-MSP (Mechanical Spares Kit, hardware parts). Order 1 for each 12 VT4889s used in portable/tour conditions.
- VT4889-ASP (Acoustical Spares Kit, transducers). Order 1 for each 12 VT4889s used in portable/tour conditions.
- VT4880-ACC Accessory Kit for subwoofer, with wheelboard/dolly plate, cover bag, and required suspension hinge bars.
- VT4889-AF Array Frame for supporting up to 16 VT4889 enclosures or for ground stacking up to six VT4889 enclosures.
- VT4889-SF Short Frame for use on the bottom of larger VT4889 arrays, suspending special purpose arrays, or for ground stacking up to four VT4889 enclosures.

Necessary accessories; order separately for VT4888, VT4887, VT4882, VT4881

- VT4888-ACC Dolly/wheelboard front plate and padded protective cover bag for one VT4888.
- VT4887-ACC Dolly/wheelboard front plate and padded protective cover bag for one VT4887.
- VT4882-ACC Dolly/wheelboard front plate and padded protective cover bag for one VT4882.
- VT4881-ACC Dolly/wheelboard front plate and padded protective cover bag for one VT4881.



VT4889-AF (Array Frame)



VT4889-SF (Short Frame)

Available accessories for models VT4888, VT4887, VT4882, VT4881

- VT4888-MSP (Mechanical Spares Kit, hardware parts). Order 1 for each 12 VT4888s used in portable/tour conditions.
- VT4888-ASP (Acoustical Spares Kit, transducers). Order 1 for each 12 VT4888s used in portable/tour conditions.
- VT4887-MSP (Mechanical Spares Kit, hardware parts). Order 1 for each 12 VT4887s used in portable/tour conditions.
- VT4887-ASP (Acoustical Spares Kit, transducers). Order 1 for each 12 VT4887s used in portable/tour conditions.
- VT4888-AF Array Frame for supporting up to 16 VT4888 or VT4882 enclosures or for ground stacking up to six enclosures.
- VT4888-SF Short Frame for use on bottom of larger VT4888 or VT4882 arrays, suspending special purpose arrays, or for ground stacking up to four enclosures.
- VT4887-AF Array Frame for supporting up to 16 VT4887 enclosures or 12 VT4881 subwoofers, or for ground stacking up to six enclosures.
- VT4887-SF Short Frame for use on bottom of larger VT4887 or VT4881 arrays, suspending special purpose arrays, or for ground stacking up to four enclosures.
- VT4800-CA Compact Adaptor, use to suspend VT4887s or VT4881s from VT4888s.
- VT4800-DA Downfill Adaptor, use to suspend up to 4 VT4887s from VT4889s or VT4880s.
- VT4800-UA Universal Adaptor Frame. Use to suspend midsize or compact models from either the VT4889 full-size arrays or VT4880 subwoofer arrays.

key features

- PASSIVE, FAN-FREE COOLING SYSTEM
- CLASS I DIGITAL POWER FROM CROWN AUDIO
- PATENTED BCA® (BALANCED CURRENT AMPLIFIER) TECHNOLOGY
- MODULAR INPUT BAY
- UNIVERSAL AC POWER SUPPLY
- INPUT MODULE WITH ONBOARD DSP FROM dbx PROFESSIONAL

VERTEC® DP Series

Self-Powered Integrated Audio Systems



JBL's VERTEC DP Series products are fully integrated audio systems coupling industry-leading loudspeaker technology to the new JBL DrivePack™ technology platform. A breakthrough in power and control for self-powered systems, JBL's VERTEC DP Series delivers superb audio quality and robust reserve power, perfectly matched to the enclosures, with comprehensive digital signal processing. Developed in cooperation with Harman Professional partners Crown and dbx, these new integrated audio systems are based on JBL's industry-leading VERTEC line array series, providing effective solutions that are lightweight, powerful, and cost-effective.



CONVENIENT - PORTABLE - SELF-AWARE

With the VERTEC DP Series, external power amplifier racks, multiple wiring inter-connects and complex audio control devices are replaced with plug-and-play simplicity and consistent, reliable performance. The JBL DrivePack is attached to the back of each VERTEC DP Series enclosure, creating a seamless electro-acoustical system that offers both convenience and portability along with the unmatched reliability, accuracy and superb sound of JBL loudspeakers. And the JBL DrivePack includes 'smart' onboard DSP functionality to communicate readiness and operational status, including a self-test cycle and indicator lights for in-shop and on-the-road fault detection upon power-up.



INPUT MODULE & CONNECTIVITY

JBL DrivePacks are equipped with a modular input bay. The standard DPIP input module from dbx features analog audio inputs and sophisticated DSP technology. Precision bandpass limiting, pre-equalization filters and automatic self-test functions ensure optimized performance. The modular input design allows for future developments in audio distribution and networking topologies.



THE HiQnet™ ADVANTAGE

Optional networked input modules allow JBL VERTEC DP Series systems to be remotely controlled and monitored, linking seamlessly into the revolutionary HiQnet system. System setup is easy yet powerful, thanks to the JBL DrivePack control panel. A variety of control and monitoring options are available at your fingertips, integrated into Harman Pro System Architect. This provides complete software control of not only your JBL DrivePack- equipped loudspeakers, but also other HiQnet-compatible audio products in the system.



The JBL DrivePack software control panel provides a wealth of system configuration, control and monitoring functions.

First products available in the VERTEC DP Series, the VT4888DP 3- way midsize line array element and VT4882DP midsize subwoofer are available with the VTDP3 DrivePack unit pre-configured from the JBL factory.

specifications

	VT4888DP	VT4882DP
SYSTEM TYPE	Midsize Self-Powered Line Array	Midsize Self-Powered Subwoofer
FREQUENCY RESPONSE	60 Hz – 16 kHz (± 3 dB)	32 Hz - 110 Hz (± 3 dB)
SENSITIVITY	0 dBu: 110 dB SPL +20 dBu: 130 dB SPL	0 dBu: 97 dB SPL +20 dBu: 127 dB SPL
NOMINAL IMPEDANCE	LF: 4 ohms; MF: 8 ohms; HF: 16 ohms	2 x 8 ohms
INTERNAL POWER RATING	6300 W Peak, 3150 W Continuous	3600W Peak, 1800W Continuous
TRANSDUCERS: LF	2 x 2262H (12 in)	LF: 2 x 2266H (15 in) (Dual-Coil)
MF	4 x 2106H (5 1/2 in)	
HF	2 x 2431H (1 1/2 in throat)	
ENCLOSURE	Wedge Frustrum	Wedge Frustrum
FINISH	DuraFlex™	DuraFlex
INPUT CONNECTORS	F-XLR, M-XLR pass-thru	F-XLR, M-XLR pass-thru
AC POWER CONNECTORS	Neutrik PowerCon	Neutrik PowerCon
DIMENSIONS (W x H x D)	1013 x 355 x 609.6 mm 39.9 x 14 x 24 in	1013 x 457 x 960 mm 39.9 x 18 x 37.8 in
NET WEIGHT (each)	65 kg (142 lb)	67.4 kg (148.6 lb)



VT4882DP



VT4888DP

Array™ Series

- COMPACT, MODULAR, INTEGRATED PRODUCT LINE
- HIGH TECHNOLOGY TRANSDUCERS
- OPTIMIZED ARRAY-MODULE DESIGN
- SECURE ARRAY FLYING ERGONOMICS - S.A.F.E.™
- DURABLE & VERSATILE CONSTRUCTION

JBL's commitment to provide audio professionals the best tools for their work is evident with the Array Series. These systems provide the ultimate performance for compact touring and fixed installation systems. The Array Series systems combine ease of transport with the flexibility to fly or install quickly and safely. Integration of advanced design high power transducers, precision-coverage horns and digital control electronics provide clearly superior performance. "A" version enclosures are now finished with DuraFlex™.



4890A
This two-way stage monitor has a horizontal format for minimal height to allow unobtrusive presence on stage. 45° cabinet angles and a 60° x 40° horn that rotates provide optimum coverage for any monitoring application. Linear power response, even at high output levels, satisfies the most demanding users.

4892A & 4892A-90

These compact packages exhibit outstanding full-range output and are capable of very high sound pressure levels. Both deliver impressive performance, the 4892A as a dedicated array component and the 4892A-90 for single system applications. A 35 mm (1 3/8 in) pole mount adapter is standard.

4894A & 4894A-90

When greater low-frequency energy is required, the 4894A and 4894A-90 deliver. They are the ideal system choice for both indoor and outdoor venue applications where maximum sound pressure level is required without compromising fidelity. The 4894A can be used as an array element and for side fill applications. The 4894A-90 provides wider coverage from a single enclosure.

4893A

The 4893A delivers sub-bass support for the Array Series full-range systems. Its compact, solidly constructed enclosure houses two advanced VGC™ low-frequency transducers for tight, solid and dynamic bass. The 4892A, 4893A and 4894A can be arrayed together, making it possible to custom tailor clusters for virtually any desired coverage.

S.A.F.E. FLYING HARDWARE

An important aspect of the Array Series is the ability to assemble loudspeaker clusters quickly and safely. S.A.F.E. suspension hardware is designed, engineered and certified to meet and exceed the most stringent safety requirements for sound system rigging, worldwide. A complete line of hardware is available to allow array construction for various applications.



specifications

	4890A	4892A & 4892A-90	4894A & 4894A-90	4893A
SYSTEM TYPE	Two-way Stage Monitor	Two-way Speaker System	Two-way Speaker System	Subwoofer System
FREQUENCY RESPONSE	70 Hz - 18 kHz (± 3 dB)	50 Hz - 18 kHz (± 3 dB)	46 Hz - 18 kHz (± 3 dB)	38 Hz - 400 Hz (± 3 dB)
SENSITIVITY: 1 W, 1 m	98 dB	98 dB	100 dB	98 dB
MAXIMUM SPL @ 1 m	132 dB	132 dB	137 dB	135 dB
NOMINAL COVERAGE	60° x 40° or 40° x 60°	45° x 35° (4892A); 90° x 40° (4892A-90)	45° x 35° (4894A); 90° x 40° (4894A-90)	Array dependent
NOMINAL IMPEDANCE	8 ohms	8 ohms	8 ohms	8 ohms each
POWER CAPACITY (AES)	600 Watts	600 Watts	1200 Watts	1200 Watts
TRANSDUCERS: LF	1400 PRO (355 mm/14 in)	1400 PRO (355 mm/14 in)	2 x 1400 PRO (355 mm/14 in)	2 x 2214H (355 mm/14 in)
HF	2450SL (38 mm/1 1/2 in)	2450SL (38 mm/1 1/2 in)	2450SL (38 mm/1 1/2 in)	
HF HORN	Optimized Aperture Flat-Front Bi-Radial®	Optimized Aperture Flat-Front Bi-Radial®	Optimized Aperture Flat-Front Bi-Radial®	
ENCLOSURE	45° cabinet angle, 13 ply hardwood	Trapezoidal, 45°, 13 ply hardwood	Trapezoidal, 45°, 13 ply hardwood	Rectangular, 13 ply hardwood
FINISH	Black textured DuraFlex™	Black textured DuraFlex	Black textured DuraFlex	Black textured DuraFlex
GRILLE	16 ga. perforated steel, foam backed	16 ga. perforated steel, foam backed	16 ga. perforated steel, foam backed	16 ga. perforated steel, foam backed
INPUT CONNECTORS	NL8, 2 each	NL8, 2 each	NL8, 2 each	NL8, 2 each
DIMENSIONS (H x W x D)	376 x 686 x 376 mm 14.8 x 27 x 14.8 in	628 x 394 x 362 mm 24.75 x 15.5 x 14.25 in	1066 x 394 x 362 mm 42 x 15.5 x 14.25 in	1066 x 394 x 362 mm 42 x 15.5 x 14.25 in
NET WEIGHT (each)	34 kg (75 lb)	34 kg (75 lb)	47.3 kg (104 lb)	45.5 kg (100 lb)

Portable Products

JRX100. MPro Series. EON®. EON G2 Series. SRX700 Series.

An unbeatable line-up of portable sound reinforcement products from JBL Professional. Years of experience went into making these products. They're loaded with features brought over from JBL's high-end concert touring and live performance systems— features you won't find anywhere else.

MPro includes the first mid-priced subwoofers to offer VGC™ technology, the first speaker systems offering JBL's Laminar Flow Baffle™ technology and the first speaker system with built in Crown® power.

The JBL EON system is firmly entrenched as the industry leader in powered portable speaker systems. The EON G2 Series is the second generation of this most successful and influential professional speaker system. JBL Pro is making a great product even better with these new features: Expanded on-board mixing capability, more power, better sound and more resilient materials.

The advanced technology of SRX700 series speakers delivers the power and performance you would expect from the highest quality, professional system. At the same time, JBL innovation and patented Differential Drive® speaker technology have reduced system weight dramatically while maintaining the highest level of performance available from a portable PA speaker.

JRX100

- ➊ PROGRESSIVE TRANSITION™ WAVEGUIDES FOR WELL-CONTROLLED COVERAGE, LOW DISTORTION, AND SMOOTH RESPONSE
- ➋ SONICGUARD™ HIGH FREQUENCY DRIVER PROTECTION
- ➌ ACOUSTICALLY SUPERIOR ¾" MDF ENCLOSURE CONSTRUCTION FOR RUGGEDNESS AND LOW END PERFORMANCE
- ➍ TOUGH, NON-RESONANT HANDLES AND 18 GAUGE STEEL GRILLE

JRX115
JRX115i



JRX125



JRX112M
JRX112Mi



JRX118S
JRX118SP



JRX100 delivers the performance and prestige JBL is known for at an affordable price point. Everything that makes a speaker perform and sound its best is included and the things that don't were eliminated. JRX100 delivers unprecedented value.

JRX115 and JRX115i*

The **JRX115** is a trapezoidal, 15" speaker system for use in live sound, dance music, and speech reinforcement. As with all JRX100 speakers, it's equipped with components built in our Northridge, California factory. The speaker includes a dual-angle, 35 mm pole mount socket as well as Neutrik® SpeakOn® and ¼" input connectors.

JRX125

The **JRX125** is a "quasi three-way" design, with the upper woofer covering both lows and mids. The bottom woofer uses a lower crossover frequency and covers only lows, acting as a built-in subwoofer. It offers the extra low-end of a dual 15" speaker while maintaining the superior mid-frequency performance of a single driver system.

JRX118S

The **JRX118S** subwoofer is driven by a massive JBL 18" woofer with a cast frame and 3" voice-coil. We've even created settings for the dbx DriveRack® PA Loudspeaker Controller.

JRX118SP

The **JRX118SP** is a self-powered version of the JRX118S. It includes a specially designed amplifier with 500 watts (peak) and 300 watts (continuous) power output. This subwoofer features dual inputs with balanced XLR connectors, built-in stereo crossover network, and a peak limiter to protect the amplifier and speaker from clipping.

JRX112M and JRX112Mi*

The **JRX112M** is a compact and low-profile stage monitor with optimized performance in the critical mid-range. It also includes JBL's dual-angle pole socket for use as a front-of-house speaker.

*In the JRX115i and JRX112Mi, the installation versions, three M10 eyebolts and threaded brackets replace the feet, pole socket, and handles of the portable JRX115 and JRX112M. All other specifications are the same.

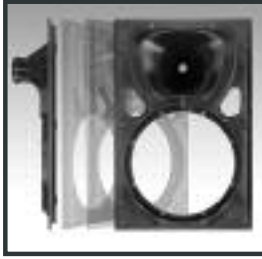
specifications

	JRX115 & JRX115i	JRX125	JRX112M & JRX112Mi	JRX118S	JRX118SP
SYSTEM TYPE	Two-Way Speaker	Dual-15" Two-Way Speaker	Two-Way Stage Monitor	18" Subwoofer	18" Powered Subwoofer
FREQUENCY RANGE (-10 dB) ¹	38 Hz - 16 kHz	35 Hz - 16 kHz	60 Hz - 16 kHz	38 Hz - 300 Hz	38 Hz - 300 Hz
FREQUENCY RESPONSE (±3 dB) ¹	50 Hz - 12.5 kHz	45 Hz - 12 kHz	70 Hz - 12 kHz	55 Hz - 300 Hz	55 Hz - 300 Hz
SENSITIVITY: 1 W, 1 m	98 dB SPL	100 dB SPL	99 dB SPL	96 dB SPL	96 dB SPL
NOMINAL IMPEDANCE	8 ohms	4 ohms	8 ohms	4 ohms	4 ohms
POWER CAPACITY ²	250 watts	500 watts	250 watts	350 watts	350 watts
PEAK POWER CAPACITY ²	1000 watts	2000 watts	1000 watts	1400 watts	1400 watts
MAXIMUM SPL	128 dB	133 dB	129 dB	127 dB	127 dB
NOMINAL DISPERSION	90° x 50°	90° x 50°	90° x 50°		
COMPONENTS	LF: JBL M115-8A HF: JBL 2412 1 in exit compression driver on Progressive Transition™ Waveguide	LF: JBL M115-8A x 2 HF: JBL 2412 1 in exit compression driver on Progressive Transition Waveguide	LF: JBL M112-8 HF: JBL 2412 1 in exit compression driver on Progressive Transition Waveguide	LF: JBL 2043-G	LF: JBL 2043-G
INPUT CONNECTORS	Neutrik® Speakon® NL-4 (x1); ¼ in TS phone jack (x1); parallel	Neutrik Speakon NL-4 (x1); ¼ in TS phone jack (x1); parallel	Neutrik Speakon NL-4 (x1); ¼ in TS phone jack (x1); parallel	Neutrik Speakon NL-4 (x2); ¼ in TS phone jack (x1); parallel	XLR/M x 2 (line level, balanced); ¼ in TS phone jack x1 (spkr level) XLR/F x 2 (Selectable, Thru or Hi Pass)
OUTPUT CONNECTORS					
DIMENSIONS (H x W x D)	699 x 460 x 432 mm 27.5 x 18.1 x 17 in	1092 x 464 x 426 mm 43 x 18.3 x 16.8 in	584 x 399 x 325 mm 23 x 15.7 x 12.8 in	605 x 508 x 551 mm 23.8 x 20 x 21.7 in	605 x 508 x 592 mm 23.8 x 20 x 23.3 in
NET WEIGHT (each)	27.4 kg (61 lb)	42.6 kg (94 lb)	19.5 kg (43 lb)	32.2 kg (71 lb)	40.4 kg (89 lb)

¹ "Frequency Range" and "Frequency Response" are based on half-space response.

² "Power Capacity" and "Peak Power Capacity" ratings are based on the average and peak power handling capacity of product samples subjected to a 100 hour power test of the system design using IEC filtered random noise with a crest factor of 6 dB.

MPro Series



The MPro Line offers a professional appearance, superb acoustical performance and the buyer confidence that goes with the JBL brand. MPro includes the first mid-priced subwoofers to offer VGC™ (Vented Gap Cooling) technology and the first speaker systems offering JBL's Laminar Flow Baffle™ technology. The JBL Laminar Flow Baffle incorporates smooth, contoured surfaces that greatly reduce distortion caused by turbulence and diffraction. This one-piece baffle integrates horn, ports and woofer-mounting into a single part. This permits features to be tightly spaced, allowing a large horn-mouth (for improved mid-range and directivity performance) without making the cabinet too large.

The MPro 200 Series features premium-grade carpet-covered 18 mm plywood enclosures. The large-mouth horn design of the MP212, MP215 and MP225 delivers smooth, natural reproduction — especially in the critical mid-range. A 16 gauge, steel grille protects the JBL woofers.

MP212

The MP212 is a compact, portable, twelve-inch, two-way speaker system that's equally at home in main PA or stage monitor applications. Designed for portable applications in live performance, music playback, and reinforcement of speech, the MP212 will deliver excellent performance by itself or as a satellite over the MP255S subwoofer.

MP215

The MP215 is a portable, fifteen-inch, two-way speaker system designed for live performance, music playback and speech reinforcement.

MP225

The MP225 is a portable, dual fifteen-inch, two-way speaker system designed for applications in live performance, music playback, and reinforcement of speech. The crossover network employs separate low-pass filters for each woofer. The upper woofer produces mid and low frequencies while the lower woofer produces only lows. As a result, mid-range performance is maintained and low-frequency performance is enhanced.

MP255S

The MP255S is a dual fifteen-inch bandpass subwoofer. This design uses two tuned chambers to shift energy down into the low-frequency region. It also has a low-pass filter to further reduce mid-range output. A 35 mm pole socket and 24 inch, 35 mm (diameter) pole are included for use with satellite speakers.

The MPro 400 Series features JBL's DuraFlex™ coated enclosures and a unique new powered product—the first speaker system with built in Crown power. The MP412 and MP415 feature the unique, ARD™ (Annular Ring Diaphragm) compression driver delivering extraordinary high-frequency extension.

MP410

The MP410 is a compact, portable, ten-inch, two-way speaker system in a professional quality enclosure that looks and sounds like the high-end, specialty speaker systems top audio pros rely on. The MP410 has the convenience of a compact speaker system combined with uncompromised audio quality.

MP412

The MP412 is a compact, portable, twelve-inch, two-way speaker system that's at home in main PA or stage monitor applications. The high-frequency performance makes the MP412 an outstanding choice for high-level music playback, especially when combined with subwoofers. The MP412 will deliver excellent performance by itself or as a satellite with subwoofers such as the MP418S and MP418SP.

MP415

The MP415 is a fifteen-inch, two-way speaker system that does double duty as a main PA or stage monitor speaker. The high-frequency performance makes the MP415 an outstanding choice for high-level music playback, especially when combined with subwoofers.

MP418S

The MP418S is a compact, single eighteen-inch bass-reflex subwoofer with powerful, accurate response. The JBL 2241 woofer uses VGC™ (Vented Gap Cooling), an exclusive JBL technology that greatly reduces the loss of output resulting from power compression. The MP418S is the most affordable subwoofer ever offering this concert proven transducer technology. An included 35 mm pole socket accommodates the optional SS3-BK pole.

The MP418S may also be used as a "slave" to the powered MP418SP. When used in this manner, the result is a dual eighteen-inch, powered subwoofer system with 1,320 watts total power.

MP418SP

The MP418SP is a compact, powered, single eighteen-inch, bass-reflex subwoofer system with the perfect formula for great sound—just power the best speakers with the best amplifiers. The built in dual channel Crown amplifier is rated at 660 watts @ 4 ohms; 400 watts @ 8 ohms with 0.5% or less true THD. One channel is dedicated to the internal 18" woofer. The other can drive your choice of an MP418S passive sub or MPro two-way satellite.

The MP418SP uses the same driver and enclosure tuning as the non-powered MP418S. It is designed for portable applications and includes heavy-duty, 3 inch casters and ergonomically positioned steel carry handles for transport.

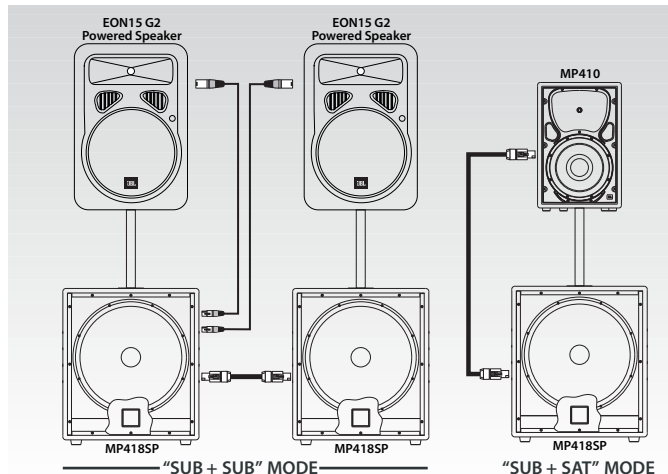
MP418SP: OPERATION OF DUAL-CHANNEL CROWN® AMPLIFIER

A dual-channel Crown amplifier is incorporated into the MP418SP.

While one amplifier channel—the "Internal" channel—is dedicated to powering the internal 18" VGC woofer, the "External" channel may be used in one of two ways:

In the "Sub + Sub" mode, the external amplifier channel is used to drive the MP418S (a passive version of the MP418SP). Stereo, high-passed line-outputs are provided to drive powered satellite speakers or an external amplifier/speaker system.

In the "Sub + Sat" mode, an MP418SP may be used with a full-range, passive speaker for a single channel, two piece system. The external amplifier channel powers the satellite.





- ➊ AFFORDABLE, ADVANCED DESIGNS
- ➋ VGC™ (VENTED GAP COOLING) TECHNOLOGY
- ➌ LAMINAR FLOW BAFFLE™ TECHNOLOGY
- ➍ PREMIUM-GRADE CARPET COVER WITH JOINT DETAIL
- ➎ THE MOST AFFORDABLE SUBWOOFER IN ITS CLASS - MP255S



specifications

	MP212	MP215	MP225	MP255S	
SYSTEM TYPE	12" Two-way Bass-reflex	15" Two-way Bass-reflex	Dual 15" Two-way Bass-reflex	Dual 15" Band-pass Subwoofer	
FREQUENCY RANGE ¹	50 Hz - 16 kHz (-10 dB)	45 Hz - 16 kHz (-10 dB)	32 Hz - 12.5 kHz (-10 dB)	32 Hz - 180 Hz (-10 dB)	
FREQUENCY RESPONSE ¹	64 Hz - 16 kHz (± 3 dB)	50 Hz - 12.5 kHz (± 3 dB)	42 Hz - 11 kHz (± 3 dB)	38 Hz - 160 Hz (± 3 dB)	
SENSITIVITY: 1 W, 1 m	99 dB SPL	99 dB SPL	101 dB SPL	102 dB SPL	
NOMINAL IMPEDANCE	8 ohms	8 ohms	4 ohms	4 ohms	
MAXIMUM SPL @ 1 m ²	129 dB	129 dB	134 dB	135 dB	
POWER CAPACITY ³	250 W	250 W	500 W	500 W	
PEAK POWER CAPACITY ³	1,000 W	1,000 W	2,000 W	2,000 W	
NOMINAL DISPERSION	70° x 70°	70° x 70°	70° x 70°	70° x 70°	
TRANSDUCERS: LF	1 x JBL M112-8	1 x JBL M115-8A	2 x JBL M115-8A	2 x JBL M115-8A	
HF	1 x JBL 2412H	1 x JBL 2412H	1 x JBL 2412H		
ENCLOSURE	18 mm plywood	18 mm plywood	18 mm plywood	18 mm plywood	
FINISH	Gray carpet	Gray carpet	Gray carpet	Gray carpet	
INPUT CONNECTORS	1 x Neutrik® Speakon® NL-4, 1/4 in phone jack, parallel	1 x Neutrik Speakon NL-4, 1/4 in phone jack, parallel	1 x Neutrik Speakon NL-4, 1/4 in phone jack, parallel	2 x Neutrik Speakon NL-4	
DIMENSIONS (H x W x D)	610 x 404 x 348 mm 24.0 x 15.9 x 13.7 in	709.4 x 466.3 x 347.1 mm 28.46 x 18.36 x 13.67 in	1163 x 465 x 513 mm 45.8 x 18.3 x 20.2 in	950.2 x 527.1 x 940.2 mm 37.4 x 20.75 x 37 in	
NET WEIGHT (each)	20.2 kg (44.5 lb)	22.2 kg (49 lb)	45.1 kg (99.5 lb)	52.2 kg (115 lb)	

¹ Frequency Range and Response specifications based on half space (2n) performance
² Calculated based on Peak Power Capacity and Sensitivity
³ "Power Capacity" and "Peak Power Capacity" ratings are based on the average and peak power handling capacity of product samples subjected to a 100 hour power test using IEC filtered pink noise with a crest factor of 6 dB

key features



- DURAFLEX™-COATED ENCLOSURES
- THE FIRST PRODUCT WITH BUILT-IN CROWN® POWER - THE MP418SP
- ARD™ (ANNULAR RING DIAPHRAGM) COMPRESSION DRIVER
- LAMINAR FLOW BAFFLE TECHNOLOGY

PORTABLE PRODUCTS



specifications

	MP410	MP412	MP415	MP418S	MP418SP
SYSTEM TYPE	10" Two-way Bass-reflex	12" Two-way Bass-reflex	15" Two-way Bass-reflex	18" Bass-reflex Subwoofer	Powered 18" Bass-reflex Subwoofer
FREQUENCY RANGE ¹	50 Hz - 20 kHz (-10 dB)	50 Hz - 20 kHz (-10 dB)	44 Hz - 20 kHz (-10 dB)	36 Hz - 300 Hz (-10 dB)	36 Hz - 150 Hz (-10 dB)
FREQUENCY RESPONSE ¹	62 Hz - 14 kHz (± 3 dB)	67 Hz - 20 kHz (± 3 dB)	57 Hz - 20 kHz (± 3 dB)	40 Hz - 300 Hz (± 3 dB)	40 Hz - 120 Hz (± 3 dB)
SENSITIVITY: 1 W, 1 m	94 dB SPL	99 dB SPL	99 dB SPL	101 dB SPL	101 dB SPL
NOMINAL IMPEDANCE	8 ohms	8 ohms	8 ohms	4 ohms	4 ohms
MAXIMUM SPL @ 1 m ²	125 dB	130 dB	130 dB	135 dB peak	132 dB SPL (peak @ 1 meter)
POWER CAPACITY ³	300 W	350 W	350 W	600 W	
PEAK POWER CAPACITY ³	1,200 W	1,400 W	1,400 W	2,400 W	
NOMINAL DISPERSION	70° x 70°	70° x 70°	70° x 70°		
TRANSDUCERS: LF	1 x JBL 127H-4	1 x JBL 2023H	1 x JBL 2033H	1 x JBL 2241G	1 x JBL 2241G
HF	1 x JBL 2412H	1 x JBL 2406H	1 x JBL 2406H		
ENCLOSURE	18 mm plywood	18 mm plywood	18 mm plywood	18 mm plywood	18 mm plywood
FINISH	DuraFlex™	DuraFlex	DuraFlex	DuraFlex	DuraFlex
INPUT CONNECTORS	2 x Neutrik® Speakon® NL-4, parallel	2 x Neutrik Speakon NL-4, parallel	2 x Neutrik Speakon NL-4, parallel	2 x Neutrik Speakon NL-4	2 x XLR/F; 1/4 in phone (TS) combi
DIMENSIONS (H x W x D)	508 x 338.4 x 299.7 mm 20 x 13.3 x 11.8 in	605 x 396 x 344 mm 23.9 x 15.6 x 13.6 in	719 x 461 x 383 mm 28.3 x 18.2 x 15.1 in	617.9 x 538.1 x 598.4 mm 24.3 x 21.2 x 23.6 in	617.9 x 538.1 x 776.6 mm 24.33 x 21.19 x 30.57 in
NET WEIGHT (each)	15.4 kg (34 lb)	21.4 kg (47 lb)	26.8 kg (59 lb)	29 kg (64 lb)	54 kg (119 lb)

¹ Frequency Range and Response specifications based on half space (2π) performance

² Calculated based on Peak Power Capacity and Sensitivity

³ "Power Capacity" and "Peak Power Capacity" ratings are based on the average and peak power handling capacity of product samples subjected to a 100 hour power test using IEC filtered pink noise with a crest factor of 6 dB

EON® Series

● PURE TITANIUM DIAPHRAGM COMPRESSION DRIVERS

● THERMOMASTER® TOTAL THERMAL MANAGEMENT SYSTEM®

● RUGGED, LIGHT WEIGHT POLYPROPYLENE ENCLOSURE

● PROPRIETARY DIFFERENTIAL DRIVE® LOW FREQUENCY TRANSDUCERS

● INTEGRAL 35 MM POLE MOUNT RECEPTACLE

● ATTACHMENT POINTS FOR MOUNTING BRACKETS

● ERGONOMICALLY DESIGNED HANDLES



The EON System is unlike any other system we've ever created. As a made-to-match system, all EON components are designed to give you hassle-free, professional sound quality and performance.

The secret behind EON's light weight is a rare earth material called neodymium with 10 times the magnetic strength of ceramic magnets, enabling a few ounces of neodymium to replace nearly 20 pounds of conventional magnetic materials.

For flexibility, the EON speakers are built to work as both upright speakers and wedge monitors. With ergonomic handles and light weight, they're remarkably easy to carry. Simple to set up. And a pleasure to use.

EON 15P-1

The **EON 15P-1** is a two-way powered speaker system which incorporates a discrete 130 watt power amplifier for low frequencies and a 50 watt power amplifier for the high frequency driver in a light weight rugged enclosure. Designed for multi-purpose usage, the EON 15P-1 may be driven from a mixer or single microphone.

EON 1500

The **EON 1500** features the same combination of light weight, portability and great sound as the other EON speakers, but is designed for use with a powered mixer or external amplifier. EON 1500 features proven JBL components like our liquid cooled compression driver and SonicGuard™ protection. EON 1500's unique design allows you to use them as a main speaker, tripod mounted or a floor monitor. The EON 1500 accepts a 1/4" phone jack or Speak-On input connection wired in parallel for ease of hookups.



EON 15P-1



EON 1500

specifications

EON 15P-1

EON 1500

	EON 15P-1	EON 1500
SYSTEM TYPE	Powered Two-way System	Two-way Speaker System
FREQUENCY RANGE	47 Hz - 18 kHz (-10 dB)	55 Hz - 16 kHz (-10 dB)
FREQUENCY RESPONSE	60 Hz - 17 kHz (-6 dB)	70 Hz - 16 kHz (-6 dB)
MAXIMUM SPL @ 1 m	127 dB, 1 m	128 dB, 1 m
POWER CAPACITY	50/130 W (Internal)	225 W
NOMINAL IMPEDANCE	(Internally bi-amped)	8 ohms
SENSITIVITY: 1 W, 1 m	(Internally bi-amped)	98 dB SPL
TRANSDUCERS: LF	380 mm (15 in)	380 mm (15 in)
HF	44 mm (1 3/4 in)	44 mm (1 3/4 in)
DISPERSION ANGLE	90° H x 60° V	90° H x 60° V
POWER AMP: LF	130 W, 0.1% THD	N/A
HF	50 W, 0.1% THD	N/A
DIMENSIONS (H x W x D)	686 x 430 x 444 mm	686 x 430 x 444 mm
NET WEIGHT (each)	21 kg (47 lb)	17.24 kg (38 lb)

EON powered speakers feature a die cast aluminum baffle for superior heat dissipation and component integration



EON® G2 Series

Suspension kits are available for EON 10 and EON 15 speakers.



With more than 500,000 systems already being used in applications from live sound reinforcement, speech and vocals to music playback in entertainment, A/V and institutional environments, the JBL EON system is firmly entrenched as the industry leader in powered portable speaker systems. The EON G2 Series is the second generation of this most successful and influential professional speaker system.

EON10 G2

The **EON10 G2** is a compact powered speaker with a 10" woofer and 175 watts total power. Weighing just 10.4 kg (23 lb), the EON10 G2 is extremely transportable and easy to handle. The built-in mini-mixer allows (for example) a microphone and a CD player to be plugged directly into the speaker for a simple, one-piece sound system. The EON10 G2 is ideal for AV applications, musical and speech reinforcement or DJ booth monitor, stage monitor and amplification of electronic instruments. For performances that require more low-frequency extension, add either EONSUB G2 or JRX118SP powered subwoofers.

The EON10 G2 has 125 watts for low frequencies and 50 watts for the highs. The 10" Differential Drive® low-frequency driver uses a neodymium magnet for light weight and reduced distortion. The one-inch JBL 2412 compression driver for the high frequencies includes a titanium diaphragm and ferro-fluid cooling.

EON15 G2

The **EON15 G2** is the flagship of the series, delivering 300 watts of power to a 15" Differential Drive LF driver. The driver boasts a dual neodymium magnet and dual voice coil motor that efficiently delivers high output from a lightweight woofer. Meanwhile, the HF amplifier delivers 100 watts of power to a 1" exit titanium diaphragm compression driver with ferro-fluid cooling.

A built-in mixer with one Mic/Line input and two balanced (1/4 inch TRS) line inputs provides flexibility and makes the EON15 G2 a great choice for electronic instrument or AV applications. An XLR output allows EON Speakers to be daisy-chained. As with other EON powered speakers, the EON15 G2 is kept cool by JBL's patented Thermomaster® Total Thermal Management System®. This system integrates the woofer frame, baffle, horn and amplifier heat-sink into a single aluminum casting. Fins in the port are cooled by air movement so the harder you push the system, the better it cools.

EONSUB G2

The **EONSUB G2** offers powerful low frequencies in a compact, durable enclosure and a new low price. Combine the EONSUB G2 with the EON10 G2 for a full range sound system whose clarity, volume and low end are truly amazing, considering their small size. Because the power amp and crossover are internal to all EON speakers, set up time and outboard equipment are minimized.

The EONSUB G2 powered subwoofer is consistent in design with other EON G2 models. With 250 watts of low-end power and a frequency range of 40 to 200 Hz, EONSUB G2 is also an ideal companion for any sound system needing additional low end.

The SUB's cabinet was specifically designed to securely hold the EON10 G2 using receptacles built into the top of the cabinet.



The BRK10 and BRK15 adapt EON10 and EON15 models to the Omnimount™ 30.0 and 60.0 Series Brackets.

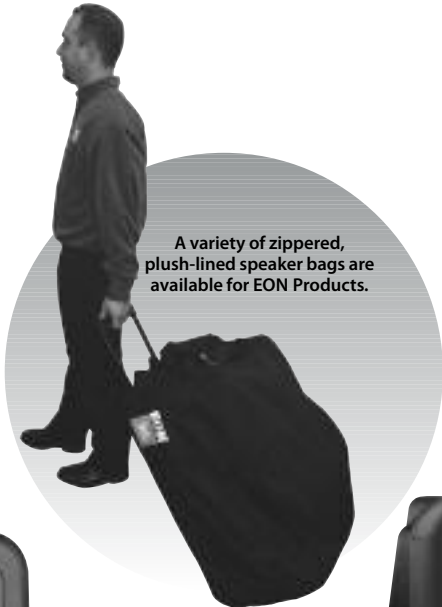
EON G2 ACCESSORIES

- | | |
|---|--|
| <p>ESK15: Suspension kit for EON 15 models (Not for use with EON 1500)</p> <p>ESK10: Suspension kit for EON 10 models</p> <p>EON BRK1: Mounting bracket (fixed angle) for EON 15" models</p> <p>EON BRK2: Mounting bracket (fixed angle) for EON 10" models</p> | <p>EONBRK10: Adapts EON 10" models to Omnimount™ 30.0 Series brackets</p> <p>EONBRK15: Adapts EON 15" models to Omnimount 60.0 Series brackets</p> <p>SS2-BK: Black anodized aluminum tripod speaker stand</p> <p>EON10 Bag-1: Zippered, plush-lined speaker bag for all EON 10" models</p> <p>EON15 Bag-1: Zippered, plush-lined speaker bag for all EON 15" models</p> <p>EON15 Bag/W-1: Wheeled, plush-lined speaker bag for all EON 15" models</p> |
|---|--|

key features

- JBL'S PATENTED NEODYMIUM DIFFERENTIAL DRIVE® LF TRANSDUCERS
- PURE TITANIUM DIAPHRAGM COMPRESSION DRIVERS
- ENCLOSURE ANGLES FOR MANY APPLICATIONS
- LOOP/MIX OUTPUT FOR DAISY-CHAINING SPEAKERS OR SENDING SIGNAL TO A MAIN PA
- THERMOMASTER® TOTAL THERMAL MANAGEMENT SYSTEM®
- ATTACHMENT POINTS FOR FIXED-ANGLE AND ADJUSTABLE MOUNTING BRACKETS

The cabinet of the EON10 G2 has been designed to fit securely atop the EONSUB G2 for added volume and extended bandwidth.



A variety of zippered, plush-lined speaker bags are available for EON Products.



EONSUB G2



EON10 G2 (Monitor Position)



EON15 G2



specifications

	EON10 G2	EON15 G2	EONSUB G2
SYSTEM TYPE	10" Two-way Speaker System	15" Two-way Speaker System	Powered Subwoofer
FREQUENCY RANGE	65 Hz - 18 kHz (-10 dB)	39 Hz - 18 kHz (-10 dB)	40 Hz - 200 Hz (-10 dB)
FREQUENCY RESPONSE	90 Hz - 16 kHz (± 3 dB)	42 Hz - 17 kHz (± 3 dB)	42 Hz - 150 Hz (± 3 dB)
RATED MAXIMUM SPL	117 dB @ 1 m	129 dB @ 1 m	117 dB @ 1 m
TRANSDUCERS: LF	254 mm (10 in)	380 mm (15 in)	380 mm (15 in)
HF	JBL 2412 (1 in)	JBL 2418 (1 in)	
DISPERSION ANGLE	90° H x 60° V	90° H x 60° V	
LF POWER AMP	125 W @ driver impedance	300 W @ driver impedance	250 W @ driver impedance
HF POWER AMP	50 W @ driver impedance	100 W @ driver impedance	
DIMENSIONS (H x W x D)	493 x 356 x 307 mm	686 x 430 x 444 mm	686 x 430 x 444 mm
	19.4 x 14.0 x 12.1 in	27 x 17 x 17.5 in	27 x 17 x 17.5 in
NET WEIGHT (each)	10.4 kg (23 lb)	21 kg (46 lb)	19.5 kg (43 lb)

E-Systems

- COMPLETE, TURN-KEY SYSTEMS WITH COMPLEMENTARY COMPONENTS
- WIDE RANGE OF APPLICATIONS
- VERSATILE ENCLOSURE ANGLES
- FEATURE-PACKED SOUNDRAFT MIXERS



Pre-packaged, complete sound reinforcement systems featuring JBL EON powered speakers, Soundcraft E-Series mixing consoles, and AKG microphones. A complete sound reinforcement system so good that no one company could build it all.

E-System 15

E-System 15 starts with the second generation of the speaker that started the powered-speaker revolution – the JBL EON15 G2 featuring 400 watts of bi-amplified power (300 watts for low frequencies and 100 watts for high frequencies). The EON15 G2 is at home as a main PA speaker or as a vocal or instrument monitor.

E-System 15 includes two EON15 G2 speakers and a Soundcraft E-8 mixer with 8 mono input channels plus two stereo inputs.

E-System 10

The JBL EON10 G2 weighs in at only 10.4 kg (23 lb) but proves that you don't need size and weight to get quality. With 175 watts of bi-amplified power (125 watts for low frequencies and 50 watts for high frequencies) the EON10 G2 is the choice for moderate-level performance.

E-System 10 includes two EON10 G2 speakers and a Soundcraft E-6 mixer with 6 mono input channels plus two stereo inputs.

SOUNDRAFT E-SERIES CONSOLES

The E-Series Mixing consoles included in both the E-System 15 and E-System 10 include:

- 2 aux sends, each globally switchable pre or post fader
- 100 mm faders
- Internal power supply
- Simple rack mounting options
- 3-band EQ with swept mid band
- Precision, ultra-linear mic pre-amps
- True, professional +48V phantom power
- Individual channel mutes

MICROPHONES

To complete the systems, a pair of **AKG D2000S** microphones is included. These handheld, dynamic, hypercardioid microphones are at home in a variety of sound reinforcement applications for speech, vocals and instruments. Rounding out the system are four 25' XLR cables to hook it all together.



SOUNDRAFT E-8 MIXER

specifications

Soundcraft E-Series Mixing Console

INPUT CHANNELS	MIC/LINE, MONO: 6 (E-6); 8 (E-8) Line, Stereo: 2	INPUT AND OUTPUT LEVELS	Mic input max level: +17 dBu Line input max level: +30 dBu Stereo input max level: +30 dBu Mix output max level: +20 dBu Headphones (@ 200 ohms): 300 mW
AUXILIARY SENDS	2, globally selectable, pre/post	EQ (MONO INPUTS)	Lo: 80 Hz shelving +/- 15 dB Mid (swept): 140 Hz – 3 kHz +/- 15 dB High: 12 k +/- 15 dB
NOISE (22 Hz-22 kHz): MIC EIN	128 dBu (max gain, 150 ohms source impedance)	EQ (STEREO INPUTS)	Lo: 80 Hz shelving +/- 15 dB High: 12 k +/- 15 dB
MIX	<-85 dBu (@ max, faders down)	WEIGHT	E6: 5.75 kg (12.68 lb) E8: 6.75 kg (14.88 lb)
CROSSTALK	>96 dB (Channel mute) >96 dB (Fader cut-off [rel +10 mark]) >86 dB Aux send pot offness	DIMENSIONS: WIDTH	E6: 375.6 mm (14.79 in) E8: 426.44 mm (16.79 in) E6 & E8: 95.11 mm (3.74 in)
FREQUENCY RESPONSE	20 Hz – 20 kHz (+/- 0.5 dB) (Mic/Line input to any output)	HEIGHT DEPTH	E6 & E8: 451.43 mm (17.77 in)
THD+ NOISE	<0.007% (Mic gain 30 dB, -30 dBu input Mix out, fader max @ 1kHz)	RACK MOUNTING	E6: Requires Soundcraft Part # P-S20000D-01 E8: Requires Soundcraft Part # P-S20001D-01
INPUT & OUTPUT IMPEDANCES	Mic input: 2.5 kohms Line input: 11 kohms Stereo input: 100 kohms Outputs: 75 ohms		

SRX700[®] Series



For over a decade, JBL SR and SRX series speakers have represented the best performance, highest quality, and most advanced driver technology available to portable PA users. The SRX700 series continues that tradition and moves the bar even higher.

The advanced technology of SRX700 series speakers delivers the power and performance you would expect from the highest quality, professional systems. At the same time, JBL innovation and design have reduced system weight so load in and load out are a breeze. All this performance is housed in rugged JBL enclosures for years of superb performance.

SRX700 uses JBL's patented Differential Drive[®] woofers with neodymium magnets. Neodymium's magnetic properties allow a few ounces to replace pounds of conventional magnet material. While other speaker manufacturers may use neodymium, JBL engineers created a design that reduces the massive (and heavy) steel top plates, back plates, and pole pieces that complete the "magnetic circuit". The JBL Differential Drive design uses two voice-coils for greater power handling and actually puts the small neodymium magnets inside the voice-coil. This design greatly reduces weight while increasing power capacity, decreasing distortion, and reducing power compression.

The SRX700 line consists of seven models, each with distinct characteristics and applications. If your requirement is for high-performance PA, there's an SRX700 model for you.

key features

- ❶ PATENTED DIFFERENTIAL DRIVE® WOOFERS WITH NEODYMIUM MAGNETS
- ❷ CONSTRUCTED OF TOP QUALITY BIRCH PLYWOOD AND COATED WITH DURAFLEX™
- ❸ HIGH-POWER, LIGHT WEIGHT LOW FREQUENCY DRIVERS
- ❹ WRAP-AROUND 16-GAUGE STEEL GRILL LINED WITH ACOUSTIVALLY TRANSPARENT FOAM FOR PROTECTION AND APPEARANCE



All SRX700 two and three-way models may be operated full-range or bi-amplified. The selection is made by means of a high-current, recessed switch mounted on the input plate. (SRX738 uses internal jumpers.) The same switch arrangement is used on the subwoofer to select ± 1 or ± 2 operation.



Flying versions of the SRX700 two and three-way models are also available as SRX700F models. These offer you the option of selecting economical, forged eyebolts for fixed installation or the convenience of detachable track fittings for portable applications. Just choose the hardware kit that's right for your application.

SRX712M – 12" two-way stage monitor

The **SRX712M** was designed with one goal – build the lightest, smallest, loudest clearest stage monitor possible while delivering a strikingly professional appearance. The SRX712M uses a 12" Differential Drive® woofer and a 3" (voicecoil diameter) compression driver. The system handles 800 watts (continuous) power yet is only 12" high (305 mm) in the monitor position. A 50° x 90° horn provides smooth, even coverage regardless of the position of the performer.

For utility speaker applications, the SRX712M can be tripod mounted or pole mounted over a subwoofer with JBL's dual angle pole mount providing 0° or 10° down tilt for optimum audience coverage.

dbx DriveRack® users may select controller settings optimizing the SRX712M for stage monitor or front of house applications (requires bi-amplified operation of the SRX712M). For suspension or truss mounting, the optional SRX712M-YK yoke bracket is available with attachment points for a wide range of suspension and truss mounting hardware.

SRX715 – 15" two-way

The **SRX715** offers the highest level of performance available from a portable pole or tripod mountable speaker. Equipped with a 2265H Differential Drive woofer, the SRX715 handles 800 watts (continuous) while weighing only 48 lb (22 kg). A 2431H 3" diaphragm, neodymium compression driver on a 75° by 50° horn makes the SRX715 the best choice for general purpose sound reinforcement, live performance, music playback or speech. When the application calls for increased low-frequency extension, add the SRX728S or SRX718S subwoofer.

SRX722 – Dual 12" two-way

Taking a page from high performance automobile design, JBL filled the smallest possible cabinet with the highest possible power capacity. Especially suited for subwoofer-equipped systems, the **SRX722** delivers very high acoustic output from a compact, easily transported system. A pair of 2262H Differential Drive woofers handles 1200 watts (continuous) of power. Top these off with the world-class, 2451H 4" compression driver, and you have big PA performance that fits easily into a sport utility vehicle.

SRX725 – Dual 15" two-way

For the ultimate in performance and simplicity, a pair of **SRX725s** and a single, high-power amplifier delivers superb high-level music and powerful bass. A pair of JBL 2265H Differential Drive drivers handles an amazing 1200 watts of continuous power. The 2451 4" compression driver, respected worldwide as one of the finest high-powered transducers made, provides smooth, clear mids and highs. Despite this performance, the SRX725 weighs only 100 lb (45 kg).

SRX738 – 18" three-way

Combining the performance of a subwoofer/satellite system with single-enclosure ease-of-use, the **SRX738** uses a 2268H 18" Differential Drive woofer for world-class low-end performance, even without a sub. Mids are handled by a 2169H 8" driver using JBL's CMCD™ Cone Midrange Compression Driver technology that provides very low midrange distortion, increased sensitivity, extended bandwidth and improved phase coherence. The high frequency driver is mounted to a 60° x 40° waveguide hosting a 3" (voice coil) 2431H high-frequency driver.

Ideally suited to sound reinforcement and music playback use where low-frequency extension, midrange clarity and projection are critical. Mobile DJs and musicians will appreciate the simplicity and performance of the SRX738. Sound companies will also find the SRX738 to be a flexible addition to their arsenals.

The SRX738 may be used in full-range or bi-amplified modes with a passive cross-over handling the transition from the mid-range to the high-frequency driver.

SRX718S – 18" subwoofer

The **SRX718S** subwoofer's compact design is equally at home as a small, high performance satellite subwoofer system or as a building block for larger subwoofer arrays. The 13-ply birch enclosure is rigidly braced for solid response.

A top-mounted, M20 threaded pole receptacle is used to ensure that even heavier, high-power satellite speakers can be securely mounted using the optional, adjustable SS4-BK speaker pole. Threaded insert points are provided for attachment of the optional WK-4 wheel kit.

SRX728S – Dual 18" subwoofer

The **SRX728S** is built to deliver smooth, clean, accurate low-end. A pair of 18" Differential Drive woofers provide extension down to 27 Hz while handling an amazing 1600 watts of continuous power. Large, open ducts minimize port turbulence and the heavily braced enclosure assures tight, solid bass. An external switch allows the SRX728S to be used with cabling systems designed to power subs from contacts ± 1 or ± 2 .

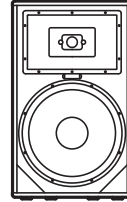
SRX700® Series

specification



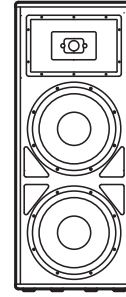
SRX712M

SYSTEM TYPE	12" Two-way Bass-reflex Stage monitor/utility
FREQUENCY RANGE (-10 dB)	70 Hz – 20 kHz
FREQUENCY RESPONSE (±3 dB)	83 Hz – 18 kHz
COVERAGE PATTERN	90° x 50° nominal
SENSITIVITY: 1 W, 1 m	96 dB SPL (Passive Mode)
NOMINAL IMPEDANCE	8 ohms
COMPONENTS: LOW FREQ.	1 x JBL 2262H Differential Drive ¹
MID FREQ.	1 x JBL 2431H
HIGH FREQ.	1 x JBL 2431H
RATED MAXIMUM SPL	131 dB SPL @ 1 m (3.3 ft)
POWER RATING: ¹	800 W / 1600 W / 3200 W ¹
(Continuous/Program/Peak)	
INPUT CONNECTORS	Neutrik® Speakon® NL-4 (x2)
SUSPENSION/MOUNTING	Dual angle, 35 mm pole socket 2 x M10 fittings
DIMENSIONS (H x W x D)	349 x 546 x 260 mm (13.75 x 21.5 x 10.25 in)
NET WEIGHT (each)	15 kg (33 lb)



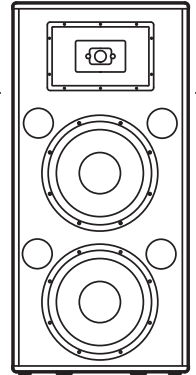
**SRX715
SRX715F**

SYSTEM TYPE	15" Two-way Bass-reflex
FREQUENCY RANGE (-10 dB)	43 Hz – 20 kHz
FREQUENCY RESPONSE (±3 dB)	53 Hz – 20 kHz
COVERAGE PATTERN	75° x 50° nominal
SENSITIVITY: 1 W, 1 m	96 dB SPL (Passive Mode)
NOMINAL IMPEDANCE	8 ohms
COMPONENTS: LOW FREQ.	1 x JBL 2265H Differential Drive
MID FREQ.	1 x JBL 2431H
HIGH FREQ.	1 x JBL 2431H
RATED MAXIMUM SPL	131 dB SPL @ 1 m (3.3 ft)
POWER RATING: ¹	800 W / 1600 W / 3200 W ¹
(Continuous/Program/Peak)	
INPUT CONNECTORS	Neutrik Speakon NL-4 (x2)
SUSPENSION/MOUNTING	Dual angle, 35 mm pole socket 5 x track and M10 suspension points ("F" version only)
DIMENSIONS (H x W x D)	711 x 439 x 406 mm (28 x 17.3 x 16 in)
NET WEIGHT (each)	22 kg (48 lb) (SRX715) 24.1 kg (53 lb) (SRX715F)



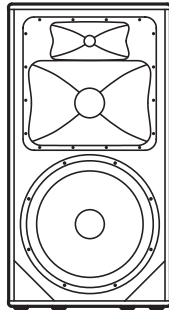
**SRX722
SRX722F**

SYSTEM TYPE	Dual 12" Two-way Bass-reflex
FREQUENCY RANGE (-10 dB)	72 Hz – 20 kHz
FREQUENCY RESPONSE (±3 dB)	81 Hz – 20 kHz
COVERAGE PATTERN	75° x 50° nominal
SENSITIVITY: 1 W, 1 m	97 dB SPL (Passive Mode)
NOMINAL IMPEDANCE	4 ohms
COMPONENTS: LOW FREQ.	2 x JBL 2262H Differential Drive
MID FREQ.	1 x JBL 2451H
HIGH FREQ.	1 x JBL 2451H
RATED MAXIMUM SPL	135 dB SPL @ 1 m (3.3 ft)
POWER RATING: ¹	1200 W / 2400 W / 4800 W ¹
(Continuous/Program/Peak)	
INPUT CONNECTORS	Neutrik Speakon NL-4 (x2)
SUSPENSION/MOUNTING	5 x track and M10 suspension points ("F" version only)
DIMENSIONS (H x W x D)	965 x 394 x 394 mm (38 x 15.5 x 15.5 in)
NET WEIGHT (each)	34 kg (76 lb) (SRX722) 36.8 kg (81 lb) (SRX722F)



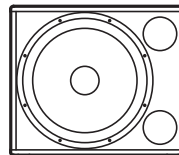
**SRX725
SRX725F**

SYSTEM TYPE	Dual 15" Two-way Bass-reflex
FREQUENCY RANGE (-10 dB)	37 Hz – 20 kHz
FREQUENCY RESPONSE (±3 dB)	53 Hz – 20 kHz
COVERAGE PATTERN	75° x 50° nominal
SENSITIVITY: 1 W, 1 m	99 dB SPL (Passive Mode)
NOMINAL IMPEDANCE	4 ohms
COMPONENTS: LOW FREQ.	2 x JBL 2265H Differential Drive
MID FREQ.	1 x JBL 2451H
HIGH FREQ.	1 x JBL 2451H
RATED MAXIMUM SPL	136 dB SPL @ 1 m (3.3 ft)
POWER RATING: ¹	1200 W / 2400 W / 4800 W ¹
(Continuous/Program/Peak)	
INPUT CONNECTORS	Neutrik Speakon NL-4 (x2)
SUSPENSION/MOUNTING	5 x track and M10 suspension points ("F" version only)
DIMENSIONS (H x W x D)	1219 x 541 x 508 mm (48 x 21.3 x 20 in)
NET WEIGHT (each)	45 kg (100 lb) (SRX725) 47.7 kg (105 lb) (SRX725F)



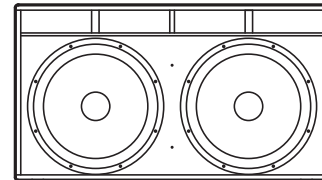
**SRX738
SRX738F**

SYSTEM TYPE	18" Three-way Bass-reflex
FREQUENCY RANGE (-10 dB)	35 Hz – 20 kHz
FREQUENCY RESPONSE (±3 dB)	44 Hz – 20 kHz
COVERAGE PATTERN	60° x 40° nominal
SENSITIVITY: 1 W, 1 m	95 dB SPL (Passive Mode)
NOMINAL IMPEDANCE	8 ohms
COMPONENTS: LOW FREQ.	1 x JBL 2268H Differential Drive
MID FREQ.	1 x JBL 2169H CMCD™
HIGH FREQ.	1 x JBL 2431H
RATED MAXIMUM SPL	130 dB SPL @ 1 m (3.3 ft)
POWER RATING: ¹	800 W / 1600 W / 3200 W ¹
(Continuous/Program/Peak)	
INPUT CONNECTORS	Neutrik Speakon NL-4 (x2)
SUSPENSION/MOUNTING	5 x track and M10 suspension points ("F" version only)
DIMENSIONS (H x W x D)	1092 x 541 x 648 mm (43 x 21.3 x 25.5 in)
NET WEIGHT (each)	43 kg (95 lb) (SRX738) 45.5 kg (100 lb) (SRX738F)



SRX718S

SYSTEM TYPE	18" Bass-reflex Subwoofer
FREQUENCY RANGE (-10 dB)	31 Hz – 220 Hz
FREQUENCY RESPONSE (±3 dB)	34 Hz – 220 Hz
SENSITIVITY: 1 W, 1 m	95 dB SPL (Passive Mode)
NOMINAL IMPEDANCE	8 ohms
COMPONENTS: LOW FREQ.	1 x JBL 2268H Differential Drive
RATED MAXIMUM SPL	130 dB SPL @ 1 m (3.3 ft)
POWER RATING: ¹	800 W / 1600 W / 3200 W ²
(Continuous/Program/Peak)	
INPUT CONNECTORS	Neutrik Speakon NL-4 (x2)
SUSPENSION/MOUNTING	Top mounted M20 threaded socket for optional SS4-BK pole
DIMENSIONS (H x W x D)	508 x 597 x 749 mm (20 x 23.5 x 29.5 in)
NET WEIGHT (each)	36 kg (79 lb)



SRX728S

SYSTEM TYPE	Dual 18" Bass-reflex Subwoofer
FREQUENCY RANGE (-10 dB)	27 Hz – 220 Hz
FREQUENCY RESPONSE (±3 dB)	33 Hz – 220 Hz
SENSITIVITY: 1 W, 1 m	95 dB SPL (Passive Mode)
NOMINAL IMPEDANCE	4 ohms (parallel); 8 ohms x2 (discrete)
COMPONENTS: LOW FREQ.	2 x JBL 2268H Differential Drive
RATED MAXIMUM SPL	136 dB SPL @ 1 m (3.3 ft)
POWER RATING: ¹	1600 W / 3200 W / 6400 W ²
(Continuous/Program/Peak)	
INPUT CONNECTORS	Neutrik Speakon NL-4 (x2)
SUSPENSION/MOUNTING	Top mounted M20 threaded socket for optional SS4-BK pole
DIMENSIONS (H x W x D)	602 x 1067 x 838 mm (23.7 x 42 x 33 in)
NET WEIGHT (each)	76 kg (166.5 lb)

¹ IEC filtered noise with 6 dB crest factor, 2 hrs.

² 40 Hz – 120 Hz pink noise with 6 dB crest factor, 2 hrs.

VRX932LA

key features

- CONSTANT CURVATURE ARRAY DESIGN
- PATENTED DIFFERENTIAL DRIVE[®] LOW FREQUENCY TRANSDUCERS
- AMPLITUDE SHADING
- VERSATILE CABINET DESIGN FOR STACKING, HANGING, AND POLE-MOUNT
- INTEGRAL DUAL ANGLE POLE SOCKET FOR GREATER FLEXIBILITY



Continuing JBL's tradition of groundbreaking products, the VRX932LA Constant Curvature Line Array, features the performance of large venue line arrays in a compact 12" two-way format that provides outstanding coverage and coherence. JBL's VERTEC[®] Series Line Arrays lead the industry in large venue sound reinforcement. While intended for smaller venues, the VRX932LA is designed and built to the same high standards as VERTEC and uses the same advanced, concert-proven drivers. The VRX932LA delivers extraordinary power handling, clarity, flexibility and, of course, stunning JBL sound in an attractive, easy to handle and affordable package.

CONSTANT CURVATURE ARRAY

JBL's exclusive Constant Curvature high-frequency waveguide mounts three compression drivers

on a continuous arc enabling the drivers to work together acoustically as if they were a single driver. This dramatically increases the power handling and acoustic output when compared to a single driver system. As additional enclosures are added to the array, the uninterrupted, continuous arc is extended with all of the drivers working together seamlessly as if they were one.

The Constant Curvature Array technology provides unprecedented output coherence and stunningly clear high frequency sound quality regardless of the configuration.

AMPLITUDE SHADING

The VRX932LA uses "amplitude shading" to shape the coverage of the array. The Array Configuration Selector allows amplitude shading to be employed without bi-amplification or multiple amplifier channels.

LOW FREQUENCY DRIVER TECHNOLOGY

To keep weight at a minimum, VRX932LA feature JBL's patented Differential Drive woofers with light weight neodymium magnets. Dual voice coils in the Differential Drive woofer design deliver greater power handling and reduced weight while maximizing the performance of each driver. The super lightweight neodymium magnets are actually inside the voice coil of each driver.

SUSPENSION AND RIGGING

JBL's exclusive integral rigging hardware for the VRX932LA allows the enclosures to be securely locked to one another by simply swinging a hinged bar into place and securing it with the included quick release pins. The optional **VRX932LA-AF Array Frame** attaches to the rigging hardware of the enclosure providing an easy to use, elegant suspension system. Up to six VRX932LA speakers may be flown using a single Array Frame. A second Array Frame may be installed on the bottom of the array for applications where an array must be aimed down sharply.



VERSATILITY

In addition to flying applications, one or two VRX932LA speakers may be mounted onto a tripod or subwoofer and pole. By attaching the optional Array Frame to the bottom enclosure, the VRX932LA's ingenious cabinet design allows up to four speakers to be ground stacked to create an up-firing array.



To create a compact system with wide coverage and extended bandwidth, the VRX932LA can be pole-mounted over a subwoofer, such as JBL's SRX718S.

specifications	
	VRX932LA
SYSTEM TYPE	12" two-way, line array loudspeaker system
FREQUENCY RANGE ¹	57 Hz - 20 kHz (-10 dB)
FREQUENCY RESPONSE ¹	75 Hz - 20 kHz (±3 dB)
COVERAGE PATTERN	100° x 15° nominal
SYSTEM SENSITIVITY: 1 W, 1 m	Passive: 95 dB SPL LF: 95 dB SPL HF: 114 dB SPL ³
NOMINAL IMPEDANCE	8 ohms (passive mode)
COMPONENTS: LOW FREQ.	1 x JBL 2262H
HIGH FREQ.	3 x JBL 2407J
SYSTEM MAXIMUM SPL	Passive: 130 dB SPL peak Bi-amp LF: 130 dB SPL peak Bi-amp HF: 139 dB SPL peak
POWER RATING: ²	Passive: 800 W / 1600 W / 3200 W
(Continuous/Program/Peak)	Bi-amp LF: 800 W / 1600 W / 3200 W Bi-amp HF: 75 W / 150 W / 300 W
INPUT CONNECTORS	Neutrik [®] Speakon [®] NL-4 (x2)
ENCLOSURE	18 mm, 11-ply birch plywood Black DuraFlex [™] finish
SUSPENSION/MOUNTING	Optional VRX932LA-AF array frame kit
DIMENSIONS (H x W x D)	349 mm x 597 mm x 381 mm (13.75 in x 23.5 in x 15.0 in)
NET WEIGHT (each)	21.8 kg (48 lb)

¹ "Frequency Range" and "Frequency Response" are based on half-space conditions.

² IEC filtered noise with 6 dB crest factor, 2 hrs.

³ HF driver sensitivity is based on measurements averaged between 1.5 kHz - 16 kHz

Cone Transducers



VGCT™ SERIES

MODELS: 2206H, 2226H/J, 2241H

These low-frequency transducers represent the results of JBL's engineering research in high power transducer design. When introduced, they signified a major advance in speaker design by incorporating JBL's patented Vented Gap Cooling technology in an improved Symmetrical Field Geometry (SFG) magnet structure.

Through the use of new computer-aided magnet optimization and analysis techniques, JBL engineers optimized both magnet weight, flux density and field saturation resulting in a reduction of overall driver weight and a significant reduction in harmonic distortion. This magnet structure offers much of the weight advantage of rare earth magnet structures without their prohibitive cost.

SVG™ SERIES

Low-frequency Maximum Output Transducers

MODEL: 2242H

The 2242H low-frequency transducer incorporates JBL's patented Super Vented Gap™ technology for improvement in power handling capability while minimizing power compression.



MIDRANGE/LOW FREQUENCY MAXIMUM OUTPUT TRANSDUCERS

MODELS: 2012H, 2020H

These transducers provide low distortion and high efficiency performance with flat power response output for a wide variety of midrange and low-frequency sound reinforcement applications.

COAXIAL TRANSDUCERS

MODELS: 2142H, 2152H

The JBL coaxial transducers combine specially designed cones and HF elements to provide smooth system response. The 2152H utilizes Bi-Radial® horn architecture and the JBL 2416H high frequency compression driver to achieve high acoustical power output while maintaining smooth response. The HF dispersion angle is 90° nominal.

specifications

	2206H	2226H/J	2241H	2242H	2012H	2020H	2142H	2152H
NOMINAL DIAMETER	300 mm (12 in)	380 mm (15 in)	460 mm (18 in)	460 mm (18 in)	250 mm (10 in)	300 mm (12 in)	300 mm (12 in)	300 mm (12 in)
RATED IMPEDANCE	8 ohms	8 ohms (H) 16 ohms (J)	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms	8 ohms
POWER CAPACITY	600 W ¹	600 W ¹	600 W ¹	800 W ¹	300 W ¹	300 W ¹	90 W ³	150 W ¹
SENSITIVITY: 1 W, 1 m	95 dB SPL ²	97 dB SPL ²	98 dB SPL ²	99 dB SPL ²	100 dB SPL ⁴	103 dB SPL ⁴	97 dB SPL ⁴	102 dB SPL ⁴
FREQUENCY RANGE (-10 dB)	45 Hz - 3.5 kHz	30 Hz - 2.5 kHz	30 Hz - 3 kHz	25 Hz - 1.6 kHz	70 Hz - 8 kHz	100 Hz - 6 kHz	60 Hz - 22 kHz	70 Hz - 17 kHz
HIGHEST CROSSOVER	1500 Hz	1200 Hz	800 Hz	1.0 kHz	6 kHz	5 kHz	2.7 kHz	1.5 kHz
VOICE COIL DIAMETER	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	76 mm (3 in)	76 mm (3 in)	51 mm (2 in)	76 mm (3 in)
VOICE COIL MATERIAL	Edgewound aluminum ribbon	Edgewound aluminum ribbon	Edgewound aluminum ribbon	Edgewound aluminum ribbon	Edgewound aluminum ribbon	Edgewound aluminum ribbon	2 Layer Round- Wound Copper	Edgewound aluminum ribbon
HALF SPACE REFERENCE EFFICIENCY	2.5%	3.3%	2.9%	4%	3.5%	5.4%	1.82%	5.1%
NET WEIGHT (each)	7.8 kg (17.1 lb)	8.7 kg (19.25 lb)	10.7 kg (23.5 lb)	13.2 kg (29 lb)	9.1 kg (20 lb)	8.6 kg (19 lb)	5.5 kg (12 lb)	9.5 kg (21 lb)

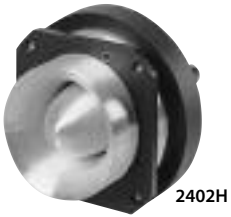
¹ AES standard (50 - 500 Hz)

² Based on a swept 100 to 500 Hz signal. 1 W is 2.83 V @ 8 ohms, 4.0V @ 16 ohms.

³ Based on standard IEC 268-1

⁴ Based on a swept 500 Hz to 2.5 kHz signal.

Compression Drivers



2402H



2404H



2405H



2426H/J



2447H/J



2451H/J



2446H/J



2450H/J

ULTRA-HIGH FREQUENCY TRANSDUCERS (44 mm - 1 3/4" Diaphragm)

MODELS: 2402H, 2404H, 2405H

The JBL Ultra-High Frequency Transducers are designed to provide high acoustic output and controlled dispersion. The **2402H** is ideal for applications requiring directivity, penetration and wide bandwidth. Its dispersion pattern is 40° conical at 10 kHz. The **2404H** is equipped with a unique Bi-Radial® horn, maintaining precise control of the horn's wide 100° x 100° coverage angle. The **2405H** provides smooth response and exceptionally wide dispersion even at extremely high frequencies.

25 mm - 1" EXIT COMPRESSION DRIVER (44 mm - 1 3/4" Diaphragm)

MODEL: 2426H/J

The **JBL 2426H/J** is a professional quality high frequency compression driver which incorporates JBL's titanium diamond diaphragm for ruggedness and outstanding frequency response.

38 mm - 1 1/2" EXIT COMPRESSION DRIVERS (100 mm - 4" Diaphragm)

MODELS: 2447H/J, 2451H/J

The 38 mm exits on the **2447H/J** and **2451H/J** compression drivers allow the Coherent Wave™ phasing plug to directly couple with Optimized Aperture™ Bi-Radial® horns for lower distortion and better coverage control than previous versions. The large format 100 mm (4 in) diaphragm design includes JBL's exclusive three dimensional diamond pattern. This design combined with the Coherent Wave phasing plug increases the drivers' output in the 5 kHz to 20 kHz range.

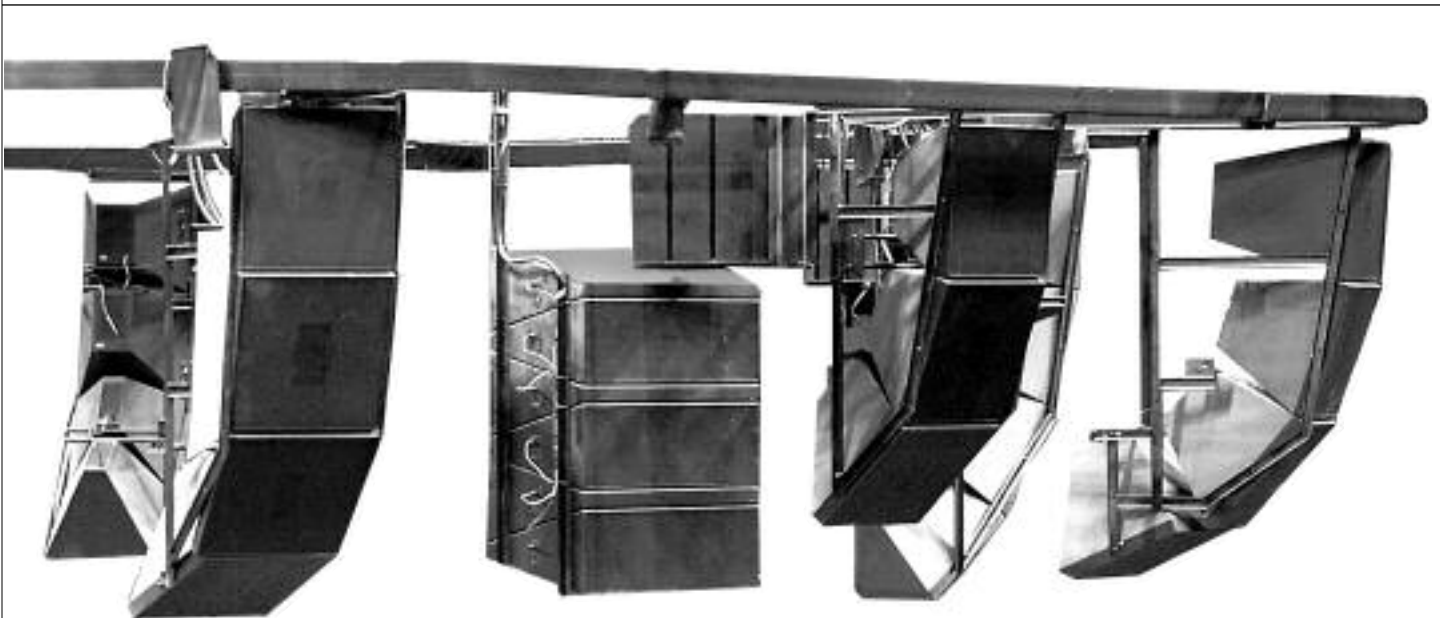
49 mm - 2" EXIT COMPRESSION DRIVERS (100 mm - 4" Diaphragm)

MODELS: 2446H/J, 2450H/J

With the optimized configuration of the Coherent Wave phasing plug design, these large format JBL compression drivers offer coherent summation of acoustical power up to much higher frequencies than previous designs.

The **2450H/J** incorporates a neodymium rare-earth magnet assembly that provides the equivalent electromechanical conversion efficiency at two-thirds the size and one-third the weight required by previous large format compression driver designs.

Note: H version is 8 ohms impedance and J version is 16 ohms impedance.



Cluster Detail: American Airlines Center, Dallas, Texas

specifications

	2402H	2404H	2405H	2426H/J
NOMINAL IMPEDANCE	8 ohms	8 ohms	8 ohms	8 ohms (H) 16 ohms (J)
POWER CAPACITY ¹	40 W	40 W	40 W above 6 kHz	70 W above 800 Hz 100 W above 1.2 kHz
SENSITIVITY, 1 W, 1 m (Averaged)	110 dB (5 kHz - 20 kHz)	105 dB (3 kHz - 20 kHz)	105 dB (7 kHz - 20 kHz)	110 dB ² (1 kHz - 4 kHz)
FREQUENCY RANGE (-10 dB)	2.5 kHz - 15 kHz	3 kHz - 21.5 kHz	6.5 kHz - 21.5 kHz	500 Hz - 20 kHz
DISPERSION	40° conical @ 10 kHz	100° x 100°	90° x 25° @ 16 kHz	
RECOMMENDED CROSSOVER	2.5 kHz	3 kHz or higher	7 kHz or higher	800 Hz or higher
DIAPHRAGM: SIZE	44 mm (1 3/4 in)	44 mm (1 3/4 in)	44 mm (1 3/4 in)	44 mm (1 3/4 in)
MATERIAL	Aluminum alloy	Aluminum alloy	Aluminum alloy	Pure titanium
VOICE COIL MATERIAL	Aluminum ribbon	Aluminum ribbon	Aluminum ribbon	Aluminum ribbon
FLUX DENSITY	1.75 T (17,500 gauss)	1.75 T (17,500 gauss)	1.75 T (17,500 gauss)	1.8 T (18,000 gauss)
DIMENSIONS: DIAMETER	121 mm (4.75 in)	130 mm (5.12 in)	121 mm (4.75 in)	149 mm (5.875 in)
DEPTH	98 mm (3.875 in)	130 mm (5.12 in)	95 mm (3.75 in)	104 mm (4.125 in)
NET WEIGHT (each)	2.3 kg (5 lb)	2.27 kg (5 lb)	2.3 kg (5 lb)	4.3 kg (9.5 lb)

	2447H/J	2451H/J	2446H/J	2450H/J
NOMINAL IMPEDANCE	8 ohms (H) 16 ohms (J)	8 ohms (H) 16 ohms (J)	8 ohms (H) 16 ohms (J)	8 ohms (H) 16 ohms (J)
POWER CAPACITY ¹	100 W above 500 Hz 150 W above 1 kHz	100 W above 500 Hz 150 W above 1 kHz	100 W above 500 Hz 150 W above 1 kHz	100 W above 500 Hz 150 W above 1 kHz
SENSITIVITY, 1 W, 1 m (Averaged)	111 dB ² (1 kHz - 4 kHz)	111 dB ² (500 Hz - 2.5 kHz)	111 dB ² (2 kHz octave band)	111 dB ² (2 kHz octave band)
FREQUENCY RANGE (-10 dB)	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz	500 Hz - 20 kHz
RECOMMENDED CROSSOVER	500 Hz or higher	500 Hz or higher	500 Hz or higher	500 Hz or higher
DIAPHRAGM: SIZE	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)	100 mm (4 in)
MATERIAL	Pure titanium	Pure titanium	Pure titanium	Pure titanium
VOICE COIL MATERIAL	Aluminum ribbon	Aluminum ribbon	Aluminum ribbon	Aluminum ribbon
FLUX DENSITY	1.85 T (18,500 gauss)	1.9 T (19,000 gauss)	1.9 T (19,000 gauss)	1.9 T (19,000 gauss)
DIMENSIONS: DIAMETER	235 mm (9.25 in)	167 mm (6.6 in)	235 mm (9.25 in)	167 mm (6.6 in)
DEPTH	100 mm (4 in)	76 mm (3 in)	131 mm (5.2 in)	139 mm (5.5 in)
NET WEIGHT (each)	10.7 kg (23.5 lb)	4.5 kg (10 lb)	13.8 kg (30.5 lb)	4.8 kg (10.5 lb)

¹ Continuous program power is defined as 3 dB greater than continuous pink noise and is a conservative expression of the transducer's ability to handle typical speech and music program material.

² Sensitivity measured on a horn with a Q of 6.3.

Horns



2370A

OPTIMIZED APERTURE™ MID-SIZE BI-RADIAL® HORNS MODELS: 2352, 2353, 2354

The Optimized Aperture Mid-Size Bi-Radial Horns are designed to provide high sound pressure level at low distortion over the bandwidth of 630 Hz to beyond 18 kHz with very uniform horizontal and vertical coverage from an optimum size horn. Extensive modeling was used to optimize the coverage pattern, reducing both distortion and size.

Constant horizontal and vertical coverage patterns provide easily predictable performance at any frequency or orientation. Cluster design is simplified and typical problems such as lobing and size are greatly reduced.



2382A

FLAT-FRONT BI-RADIAL® HORNS MODELS: 2370A, 2380A, 2382A, 2385A, 2386A

The Flat-Front Bi-Radial Horns are designed for flush cabinet mounting or compact cluster applications. The horns provide uniform on and off axis frequency response at the rated frequencies.

The horn's small vertical mouth dimension (just slightly larger than the compression driver used to drive the horn) allows very compact single and multiple horn/driver systems to be put together. Should vertical pattern control be required below 2 kHz, two or more horns may be stacked vertically to restore full Bi-Radial™ performance.



2509A

HORN/DRIVER MOUNTING SYSTEM MODELS: 2509A

The 2509 Professional Mounting Bracket is designed to facilitate easy installations and quick adjustability in a variety of applications. It is manufactured of rugged 1/8" steel and finished in black matte. The 2509 Professional Mounting Bracket is not intended for suspension applications.

The 2509A is a two piece system that allows aiming and rotation in three planes—vertical, horizontal and rotation around axis. The width of the mounting slots and an included adaptor gasket allow use with the 2350 Series and the 2380 Series.

specifications

	2352	2353	2354		
THROAT SIZE	38 mm (1 1/2 in)	38 mm (1 1/2 in)	38 mm (1 1/2 in)		
ACCEPTS JBL DRIVERS	2447H/J, 2451H/J	2447H/J, 2451H/J	2447H/J, 2451H/J		
NOMINAL DISPERSION	90° H x 40° V	60° H x 40° V	40° H x 30° V		
DIRECTIVITY FACTOR (Q) (Averaged)	13 (630 Hz - 20 kHz)	16 (630 Hz - 20 kHz)	30 (800 Hz - 20 kHz)		
DIRECTIVITY INDEX (DI) (Averaged)	11 (630 Hz - 20 kHz)	12 (630 Hz - 20 kHz)	15 (800 Hz - 20 kHz)		
USABLE LOW FREQ. LIMIT	500 Hz	500 Hz	500 Hz		
MIN. RECOMMENDED CROSSOVER	500 Hz @ 18 dB/oct min.	500 Hz @ 18 dB/oct min.	500 Hz @ 18 dB/oct min.		
AXIAL PRESSURE SENSITIVITY ¹	112 dB	114 dB	115 dB		
CONSTRUCTION	Fiberglass reinforced plastic	Fiberglass reinforced plastic	Fiberglass reinforced plastic		
MOUTH: HEIGHT	457 mm (18 in)	457 mm (18 in)	457 mm (18 in)		
WIDTH	559 mm (22 in)	559 mm (22 in)	559 mm (22 in)		
LENGTH	254 mm (10 in)	305 mm (12 in)	432 mm (17 in)		
NET WEIGHT (each)	2.2 kg (6 lb)	3.6 kg (8 lb)	4.0 kg (9 lb)		
	2370A	2380A	2382A	2385A	2386A
THROAT SIZE	25 mm (1 in)	49 mm (2 in)	49 mm (2 in)	49 mm (2 in)	49 mm (2 in)
ACCEPTS JBL DRIVERS	2426H/J	2446H/J, 2450H/J, 2485J	2446H/J, 2450H/J, 2485J	2446H/J, 2450H/J, 2485J	2446H/J, 2450H/J, 2485J
NOMINAL DISPERSION	90° H x 40° V	90° H x 40° V	120° H x 40° V	60° H x 40° V	40° H x 20° V
DIRECTIVITY FACTOR (Q) (Averaged)	12.2 (1 kHz - 16 kHz)	10.7 (1 kHz - 16 kHz)	9 (630 Hz - 20 kHz)	19 (1 kHz - 16 kHz)	44.9 (2 kHz - 16 kHz)
DIRECTIVITY INDEX (DI) (Averaged)	10.9 (1 kHz - 16 kHz)	10.3 (1 kHz - 16 kHz)	7.9 (500 Hz - 16 kHz)	12.8 (1 kHz - 16 kHz)	16.5 (2 kHz - 16 kHz)
USABLE LOW FREQ. LIMIT	500 Hz	400 Hz	400 Hz	400 Hz	350 Hz
MIN. RECOM. CROSSOVER	630 Hz	500 Hz	500 Hz	500 Hz	400 Hz
AXIAL PRESSURE SENSITIVITY ¹	110 dB	112 dB	110 dB	114 dB	116 dB
CONSTRUCTION	High density solid polyurethane	Molded structural foam	Molded structural foam	Molded structural foam	High density solid polyurethane
MOUTH: HEIGHT	173 mm (6.81 in)	279 mm (11 in)	279 mm (11 in)	279 mm (11 in)	279 mm (11 in)
WIDTH	445 mm (17.5 in)	445 mm (17.5 in)	445 mm (17.5 in)	445 mm (17.5 in)	445 mm (17.5 in)
LENGTH	174 mm (6.84 in)	236 mm (9.28 in)	236 mm (9.28 in)	236 mm (9.28 in)	359 mm (14.4 in)
NET WEIGHT (each)	1.4 kg (3 lb)	2.2 kg (6 lb)	1.62 kg (3.5 lb)	2.2 kg (6 lb)	5.5 kg (12 lb)



2352, 2353 & 2354

¹ Measured on axis in the far field with 1 watt input and referred to 1 meter distance calculated by inverse square law. Listed sound pressure level represents an average from 1 kHz to 4 kHz.

Cinema Loudspeaker Systems



The history of JBL Cinema Speakers is the history of cinema itself. When a company has a legacy nearly eight decades long, there's little doubt that its ear is planted firmly to the ground.

For most of the 20th Century, JBL has been the most trusted name in Cinema sound. In fact, its namesake and founder James B. Lansing began his company building the world's first cinema speakers. That commitment to the core components of cinema speaker design is why, today, JBL Cinema speakers are found in 6 out of 10 movie theaters around the world.

Ever since James B. Lansing developed cinema speakers at the very beginning of talking movies, JBL has consistently set the bar on just how good the movies can sound. That's why the majority of Dolby® equipped cinemas worldwide use JBL loudspeakers. It's also why Lucasfilm engineers chose JBL speakers as the standard with which the first THX® licensed commercial theaters were developed.

Unparalleled in experience, technical leadership and customer support: a few reasons why, today, JBL speakers also grace the stages of the most coveted theatrical venues, such as The Academy of Motion Picture Arts and Sciences Samuel Goldwyn Theater, The Directors Guild of America and The Academy of Television Arts and Sciences.

Academy of Motion Picture Arts and Sciences
Samuel Goldwyn Theater: Hollywood, California

"Academy Award" and "Oscar" image © AMPAS®. THX® Lucasfilm, LTD.

ScreenArray® Series

Today's Cinema patron demands perfect coverage in every seat of the auditorium, wide dynamic range and extended bandwidth, as well as inaudible levels of distortion. This dictates the need for a new standard of loudspeaker performance for today's premier cinemas.

The ScreenArray Series represents the embodiment of JBL's continued commitment to the movie cinema industry. As such all models incorporate the latest advances in JBL's research into high performance transducer, waveguide, and crossover designs. Incorporating the performance benefits of JBL's patented Screen Spreading Compensation™ (SSC) and Focused Coverage Technology™, this speaker series provides smooth and uniform timbral balance consistent with current industry listening standards.

Since their introduction, JBL ScreenArray Systems have rewritten the rules for designing premium Cinema loudspeakers. Perhaps that's why you'll find them behind such prestigious screens as the Academy of Television Arts and Sciences Leonard H. Goldenson Theatre, and at the Mann Grauman's Chinese Theatre in Hollywood.

JBL offers two ScreenArray systems to meet the challenges posed by lower cost installations. All three products provide ultra smooth and accurate sound reproduction in a compact and highly cost effective system. The 3622N Passive system, the 4622N Passive system and the 4622 Bi-amplified system feature the ultra-low distortion ScreenArray high frequency horn with SSC and dual 15" low-frequency sections.

3622N

The **3622N ScreenArray** provides smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective passive system.

The system is comprised of two parts: the 3622-HF high-frequency pack and the 3639 low-frequency system.

The ScreenArray horn features a patent pending design that compensates for high frequency spreading caused by perforated screens for greatly improved audience coverage. Together, these elements provide clear, accurate reproduction of the mid/high frequency information. All of these components come pre-assembled to reduce field assembly time thus reducing installation costs.

4622/4622N

The **4622 and 4622N** provide smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective system.

The system is comprised of two parts: the 4622-HF high-frequency pack and the 4639 low-frequency system. The **4622N** passive system utilizes a sophisticated crossover network. Developed using computer optimization technology, it provides seamless transition resulting in excellent power response and controlled directivity.

4622 & 4622N



3622N

specifications

	3622N	4622/4622N
FFREQUENCY RANGE	30 Hz - 20 kHz	30 Hz - 20 kHz
FREQUENCY RESPONSE	40 Hz - 16 kHz	40 Hz - 16 kHz
COVERAGE ANGLES	90° horizontal, -30°, +20° vertical	90° horizontal, -30°, +20° vertical
RATED MAXIMUM SPL:	127 dB, @ 1 m 133 dB peak	127 dB, @ 1 m 133 dB peak
CROSSOVER FREQUENCIES:	1300 Hz	4622: 630 Hz 4622N: 750 Hz
SENSITIVITY: 2.83V @ 1 m	101 dB	101 dB
NOMINAL IMPEDANCE:	4 ohms	4622: 4 ohms 4622N: HF 8 ohms 4622N: LF 4 ohms
DRIVERS: LF	2 x M115-8A	2 x 2035H-1
HF	2418H-1	2430H
SYSTEM ELEMENTS: LF	3639	4639
MF/HF	3622N-HF	4622-HF [4622N-HF]
DIMENSIONS (H x W x D)	1289 x 762 x 450 mm 50.75 x 30 x 17.75 in	1289 x 762 x 450 mm 50.75 x 30 x 17.75 in
NET WEIGHT	65 kg (143 lb)	73 kg (160 lb)

➤ DESIGNED FOR MAXIMUM OUTPUT, OPTIMAL COVERAGE, AND MINIMUM DISTORTION

➤ THX® APPROVED (4632-T AND 3632-T)
 ➤ SHIPS FULLY ASSEMBLED
 ➤ ULTRA-LOW DISTORTION AND EXTREMELY UNIFORM FREQUENCY RESPONSE

➤ FLAT-FRONT DESIGN FOR EASY BAFFLEWALL INSTALLATION
 ➤ SHALLOW PROFILE FOR MINIMUM DEPTH BEHIND SCREEN (17¾")



Academy of Television Arts and Sciences
 North Hollywood, California

3632

The **3632 ScreenArray** features true three-way system design enhanced by advanced engineering. JBL Professional's best technical innovations are integrated in a system design that provides superior coverage, maximum power handling, and uniform acoustic power output, along with extremely low distortion. The ScreenArray design provides ideal power response and directivity control with seamless transitions between acoustic sections. The 3632 is available for bi-amplified or tri-amplified operation (3632T).

4632

The **4632 ScreenArray** features true three-way system design enhanced by advanced engineering. JBL Professional's best technical innovations are integrated in a system design that provides superior coverage, maximum power handling, and uniform acoustic power output, along with extremely low distortion. The ScreenArray design provides ideal power response and directivity control with seamless transitions between acoustic sections. The 4632 is available for bi-amplified or tri-amplified operation (4632T).



specifications

	3632 [T]	4632 [T]
FREQUENCY RANGE	30 Hz - 20 kHz	30 Hz - 20 kHz
FREQ RESPONSE (± 3 dB)	40 Hz - 16 kHz	40 Hz - 16 kHz
COVERAGE ANGLES	90° x 20° up, 30° down	90° x 20° up, 30° down
DIRECTIVITY FACTOR (Q)	10.0	10.0
DIRECTIVITY INDEX (DI)	10 dB	10 dB
MAXIMUM PEAK OUTPUT:	126 dB @ 1 m	129 dB @ 1 m
CROSSOVER FREQUENCIES:	350 Hz [1.2 kHz]	250 Hz [1.2 kHz]
SENSITIVITY: 2.83V @ 1 m	104 dB	106 dB
NOMINAL IMPEDANCE:	4 ohms	4 ohms
DRIVERS: LF	2 x M115H-1	2 x 2035H-1
MF	2 x 165H	4 x 165H
HF	2418H	2425HS
SYSTEM ELEMENTS: LF	3639 [3632T: 4639]	4639
MF/HF	3632-M/HF [3632-M/HF-T]	4632-M/HF [4639-M/HF-T]
DIMENSIONS (H x W x D)	1937 x 762 x 450 mm 76.3 x 30 x 17.75 in	2427 x 762 x 450 mm 95.6 x 30 x 17.75 in
NET WEIGHT (EACH)	97.7 kg (215 lb)	120.4 kg (265 lb)



- THX® APPROVED
- PROVEN HIGH PERFORMANCE AND RELIABILITY

- ADVANCED THREE-WAY DESIGN FOR THE MOST PRESTIGIOUS CINEMAS IN THE WORLD

Large Format Three-Way Systems

5672

Auditoriums up to 500 seats, film studios and exhibition venues now have a premium JBL three-way that's a perfect match for them.

The 5672 features a three-way design highlighted by two JBL 2226H 380 mm (15 in) low-frequency transducers as a vertical over-under array in a 4648A LF System, and one 5674-M/HF System, ensuring outstanding performance. Designed for tri-amplification, the bi-amplified 5672-BI is also available.

5674

When the world's most prestigious cinemas want the very best, they specify the JBL 5674. **The 5674** is today's most advanced three-way design, featuring an unmatched blend of high performance and unrivaled reliability.

The 5674 features four JBL 2226H 380 mm (15 in) low-frequency transducers in a unique DiamondQuad™ array. This array orientation allows the four drivers to create maximum output, while minimizing destructive interference effects caused by the use of multiple drivers operating in the same bandpass region.

The 5674 requires tri-amplification and includes one 5644 Quad LF System and one 5674-M/HF System. The 5674 has earned THX Approval and is the same system used in The Academy of Motion Picture Arts and Sciences Samuel Goldwyn Theater and The Directors Guild Theater in Los Angeles. The JBL 5674, truly the world's finest three-way loudspeaker.



specifications

	5672	5674
FREQUENCY RANGE	35 Hz - 16 kHz (-10 dB)	35 Hz - 16 kHz (-10 dB)
FREQUENCY RESPONSE	45 Hz - 12.5 kHz (± 3 dB)	45 Hz - 12.5 kHz (± 3 dB)
COVERAGE ANGLES (H x V)	80° x 45° (300 Hz - 16 kHz)	80° x 45° (300 Hz - 16 kHz)
DIRECTIVITY FACTOR (Q)	10.4	10.4
DIRECTIVITY INDEX (DI)	11	11
MAX. PEAK OUTPUT: (LF/MF/HF)	137/140/137 dB @ 1 m	143/140/137 dB @ 1 m
CROSSOVER FREQ.: LF/MF MF/HF	297 Hz 2.5 kHz	297 Hz 2.5 kHz
SENSITIVITY: 1 W, 1 m (LF/MF/HF)	100/114/112 dB	103/114/112 dB
NOMINAL IMPEDANCE: (LF/MF/HF)	4/8/8 ohms	4 (per driver pair) /8/8 ohms
LF DRIVER(S)	2 x 2226H	4 x 2226H (2 pair in parallel)
MF DRIVER/MF HORN	2490H/2392	2490H/2392
HF DRIVER/HF HORN	2451H/2352	2451H/2352
SYSTEM ELEMENTS: LF MF/HF	4648A 5674-M/HF	5644 5674-M/HF
DIMENSIONS (H x W x D)	2768.8 x 1118 x 863.6 mm 109 x 44 x 34 in	2895.6 x 1118 x 863.6 mm 114 x 44 x 34 in
NET WEIGHT (EACH)	87.3 kg (192.5 lb)	171.69 kg (378.5 lb)

- MAXIMUM VALUE
- MINIMAL SET-UP AND INSTALLATION
- SMOOTH, EVEN COVERAGE
- 3678, 4675C-8LF APPROVED FOR THX® INSTALLATIONS

Two-Way Systems

3677

Combine classic JBL performance with a natural sound quality for both music and dialog and you've just described the **3677**. For extraordinary convenience, the all-in-one enclosure requires no field assembly, simplifying set-up and reducing cost of installation.

3678

THX Approved design in the bi-amplified mode. JBL's patented Vented Gap Cooling™ keeps the 2226H low frequency working optimally while the JBL 2342 Bi-Radial® horn and 2426 pure titanium compression driver ensure smooth, even coverage, natural sound and unsurpassed reliability. The 3678 has a 11½" shallow profile.



4670D

The **4670D** is a wide bandwidth system with remarkable dynamic range and consistent coverage. In fact, the performance of the 4670D is the foundation for true big-screen commercial cinema sound.

4675C & 4675C-4(8)LF

These are the speakers chosen when nothing but the very best in full-range two way systems will suffice. The series delivers uniform frequency response throughout the listening area with high sound pressure levels. The **4675C-4LF** (4 ohms) and **4675C-8LF** (8 ohms) are designed for bi-amplified applications where an external electronic crossover or cinema processor is used in conjunction with separate amplifiers for the high and low-frequency sections.



The **4675C** consists of: one 4638TH System, one 4675C-HFA Kit and built-in passive cross-over network. The **4675C-4LF** consists of: one 4648A (LF) System and one 4675C-HFA Kit. The **4675C-8LF** is THX Approved and consists of: one 4648A-8 (LF) System and one 4675C-HFA Kit.



specifications

	3677	3678	4670D	4675C	4675C-4LF/4675C-8LF
FREQUENCY RANGE	40 Hz - 20 kHz (-10 dB)	30 Hz - 20 kHz (-10 dB)	35 Hz - 20 kHz (-10 dB)	35 Hz - 20 kHz (-10 dB)	35 Hz - 20 kHz (-10 dB)
FREQUENCY RESPONSE	45 Hz - 12 kHz (± 3 dB)	45 Hz - 12 kHz (± 3 dB)	40 Hz - 16 kHz (± 3 dB)	40 Hz - 16 kHz (± 3 dB)	40 Hz - 16 kHz (± 3 dB)
POWER CAPACITY ¹	250 W	300 W	600 W	600 W	1200 W (LF) 100 W (HF)
COVERAGE ANGLES (H x V)	90° x 40°	90° x 90°	90° x 40°	90° x 40°	90° x 40°
CROSSOVER FREQUENCY ²	1.2 kHz	1 kHz	500 Hz	500 Hz	500 Hz
SENSITIVITY: 1 W, 1 m	99 dB SPL	98 dB SPL	100 dB SPL	100 dB SPL	100 dB SPL (LF)
NOMINAL IMPEDANCE	8 ohms	8 ohms	4 ohms	4 ohms	LF: 4 ohms (4LF)/ 8 ohms (8LF)
LF DRIVER(S)	2035H	2226H	2 x 2035H	2 x 2035H	2 x 2226H (J)
HF DRIVER	2416-1	2425HS	2446H	2446H	2446H
HORN	2373	2342	2380A	2360B W/2506C	2360B W/2506C
SYSTEM ELEMENTS: LF	(All-in-one enclosure)	3678-LF	4638TH	4638TH	4648A/4648A-8 (8LF)
HF		3678-HF	4670D-HF	4675C-HFA	4675C-HFA
DIMENSIONS (H x W x D)	765 x 651 x 292 mm 30.125 x 25.625 x 11.5 in	1019 x 651 x 292 mm 40.125 x 25.625 x 11.5 in	1289 x 673 x 438 mm 50.75 x 26.5 x 17.25 in	1797 x 770 x 949 mm 70.75 x 30.312 x 37.375 in	1797 x 770 x 949 mm 70.75 x 30.312 x 37.375 in
NET WEIGHT (EACH)	39 kg (85 lb)	41 kg (90 lb)	92 kg (203 lb)	98 kg (215 lb)	98 kg (215 lb)

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

² Due to standard motion picture recommendations, theater systems with large format compression drivers are specified with 500 Hz crossovers.

key features

- DESIGNED FOR SMALL, MEDIUM, LARGE AND VERY LARGE VENUES
- SMOOTH, EVEN COVERAGE
- THX® APPROVED

Surround Systems

**3310**

The **3310** features one 200 mm (8 in) low-frequency driver and a 1 inch titanium dome tweeter. The 3310's internal passive crossover includes a passive protection circuit to ensure maximum reliability. If JBL performance seems incompatible with your budget, consider the 3310 Cinema Surround System. The 3310 offers surprising performance at an equally surprising price.

8330A

The **8330A** three-way features a 200 mm (8 in) low-frequency driver for smooth, extended bass response; a 130 mm (5 in) midrange transducer for the critical midrange and a 25 mm (1 in) titanium-laminate dome tweeter providing wide, even high frequency coverage. Add a modern, molded black textured enclosure with black grille and you know why the 8330A is the industry standard in its class.

**8340A**

The **8340A** Surround speaker is an unbeatable choice when very high power handling, high sensitivity, extended bass response and a remarkably compact cabinet are the requirements. The two-way 8340A's proven reliability and performance have positioned it as the industry standard for the extended dynamic range required by today's digital sound formats. At 19 pounds, installation is quick and painless.



specifications

	3310	8330A	8340A
FREQUENCY RANGE	40 Hz - 20 kHz (-10 dB)	40 Hz - 20 kHz (-10 dB)	45 Hz - 18 kHz (-10 dB)
FREQUENCY RESPONSE	100 Hz - 12 kHz (± 3 dB)	70 Hz - 14 kHz (± 3 dB)	70 Hz - 16 kHz (± 3 dB)
POWER CAPACITY ¹	75 W	100 W	250 W
COVERAGE ANGLES (H x V)	100° x 100°	110° x 105°	100° x 80°
CROSSOVER FREQUENCY:	2.5 kHz	650 Hz & 3.1 kHz	2.2 kHz
SENSITIVITY: 1 W, 1 m	89 dB	91 dB	96 dB
NOMINAL IMPEDANCE	8 ohms	8 ohms	8 ohms
DRIVERS: LF	200 mm (8 in)	200 mm (8 in)	250 mm (10 in)
MF		130 mm (5 in)	
HF	25 mm (1 in)	25 mm (1 in)	25 mm (1 in) horn
DIMENSIONS (H x W x D)	446 x 483 x 267 mm	457 x 457 x 260 mm	457 x 457 x 260 mm
	17.5 x 19 x 10.5 in	18 x 18 x 10.25 in	18 x 18 x 10.25 in
NET WEIGHT (EACH)	13 kg (29 lb)	8.6 kg (19 lb)	8.6 kg (19 lb)

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



Mann Grauman's Chinese Theatre: Hollywood, California

- EXCEPTIONAL LOW FREQUENCY AUGMENTATION
- APPROVED FOR THX® INSTALLATIONS

Subwoofers



3635

When a small cinema and an equally small budget are the orders of the day, the JBL **3635** is the perfect choice. It features one 460 mm (18 in) transducer, an unobtrusive shallow enclosure (14 1/2"), true JBL performance and a surprising price.

4641

When a 600 Watt cinema system is what you need, the **4641** is the perfect choice for cost effective, low frequency augmentation. The 4641 features one 460 mm (18 in) JBL 2241 VGC™ (Vented Gap Cooling) low-frequency transducer. The 4641 is THX® approved.



4642A

The **4642A** is a dual 460 mm (18 in) subwoofer system featuring two VGC (Vented Gap Cooling) 2241H low-frequency transducers. This high-performance, cost effective 1200 Watt system is ideal for low-frequency augmentation when smooth response down to the lowest audible frequencies is required. An outstanding performer! The 4642A is THX® approved. Also available with grilles.



4645C

Approved by THX®, the **4645C** is the industry standard. The 4645C is a single 460 mm (18 in) direct radiator bass reflex subwoofer system featuring the 2242 SVG™ (Super Vented Gap) low-frequency transducer for highest output with lowest distortion. The 4645C is the choice whenever a premium performance single 460 mm (18 in) 800 Watt system is required for low-frequency augmentation.



specifications

	3635	4641	4642A	4645C
FREQUENCY RANGE (-10 dB)	28 Hz - 500 Hz	25 Hz - 500 Hz	22 Hz - 500 Hz	To 22 Hz (no EQ)
FREQUENCY RESPONSE (± 3 dB)	38 Hz - 100 Hz	See individual spec sheet	See individual spec sheet	See individual spec sheet
POWER CAPACITY	300 W	600 W	1200 W	800 W
CROSSOVER FREQUENCY	100 Hz	80 to 150 Hz	80 to 100 Hz	80 to 100 Hz
SENSITIVITY: 1 W, 1 m	100 dB	97 dB (40 - 100 Hz)	101 dB SPL	97 dB (40 - 100 Hz)
NOMINAL IMPEDANCE	8 ohms	8 ohms	4 ohms	8 ohms
LF DRIVER(S)	2042H (18 in)	2241H (18 in)	2 x 2241H (18 in)	2242H (18 in)
DIMENSIONS (H x W x D)	1168 x 651 x 368 mm	999.6 x 647.7 x 450 mm	762 x 1219 x 610 mm	999.6 x 647.7 x 450 mm
	46 x 25.625 x 14.5 in	39 x 25.5 x 17.75 in	30 x 48 x 24 in	39 x 25.5 x 17.75 in
NET WEIGHT (EACH)	51 kg (113 lb)	60 kg (131 lb)	98 kg (216 lb)	63 kg (138 lb)

Studio Monitors



JBL has more experience in designing and building transducers for professional studio monitors than any other company. We not only use the latest engineering and design equipment, but also the most important test device of all, the human ear. We believe in physics, not fads, so while other companies pick parts off somebody else's shelf, we create our components from scratch. And by utilizing more than 50 years of experience in transducer design, we create the perfect transducer for each system.

In the great tradition of JBL Studio Monitors, we are pleased to offer the LSR6300 Series—the latest in transducer and system technology combined with recent breakthroughs in research and development to provide a more accurate studio reference.

The Linear Spatial Reference (LSR) philosophy is based on a set of design goals that carefully control the overall performance of the system in a variety of acoustic spaces. Instead of focusing on a simple measurement such as on-axis frequency response, JBL measures system in a field 360 degrees around the speaker and engineers the entire system to ensure off-axis response reflected to the mix position is also smooth and accurate. Then JBL goes a step further to overcome problems caused by low frequency room modes which plague mix engineers. A JBL first, the RMC™ Room Mode Correction system is included in the LSR6300 Series monitors. The RMC system includes everything needed to analyze LF problems and restore accuracy at the mix position.

The LSR Series

- ① LINEAR SPATIAL REFERENCE DESIGN
- ② RMC™ ROOM MODE CORRECTION
- ③ MOUNTING POINTS FOR INDUSTRY STANDARD MOUNTING HARDWARE
- ④ BALANCED AND UNBALANCED INPUTS WITH +4 dBu, -10 dBv SENSITIVITY
- ⑤ EXCELLENT ON- AND OFF-AXIS PERFORMANCE
- ⑥ HIGH SPL CAPABILITY

The JBL LSR6300 Series goes “beyond accurate” all the way to “stunning” by incorporating features which reduce the effect of problems in the room. We start with patented JBL transducer and network technologies that provide ultra-flat response and exceptional dynamic range. Then we incorporate features which help to overcome the contributions of the room. So even if you work in a small home studio, you’ll have clear sound at the mix position. All LSR models are engineered for use in the most demanding production environments. With JBL’s LSR6300 Series, mixing is a pleasure.

It takes more than an accurate speaker system to have accurate response at the mix position. Problems in the room dramatically color what you hear at the mix position. Walls and corners can affect response. And standing waves at the mix position can lead you to misjudge bass content. As a result, a speaker which measures flat in an anechoic chamber may “tell you a different story” in the room. The key to accuracy is tackling the effect of boundaries, standing waves and reflections. In developing the LSR6300 Series, JBL examined each problem in the environment and created the perfect solution. Even if you work in a small control room, an LSR system will provide smooth accurate response at the mixer’s chair.

LSR (Linear Spatial Reference Technology)

Much of what you hear at the mix position is reflexed—not direct sound. Linear Spatial Reference Technology ensures mid and high frequency response of our speakers is neutral at the mix position. The exact geometry of the waveguide, the interaction of the woofer and tweeter, and the network are designed to provide an accurate listening window of ± 30 degree horizontal, ± 15 degree vertical. As a result, the reflected sound which reaches the mix position is smooth and accurate.

RMC™ (Room Mode Correction)

Room modes or standing waves can mislead you – give you a false impression of low frequency content in the mix. JBL is first to supply a complete solution for identifying and overcoming the negative effect of room modes. The LSR6328P and LSR6312SP are equipped with RMC™, JBL’s ingenious Room Mode Correction System. The LSR6300 RMC Calibration kit includes everything needed to identify room modes and set the LSR6300 series on-board parametric equalizer. The system dramatically improves low frequency performance at the mix position.

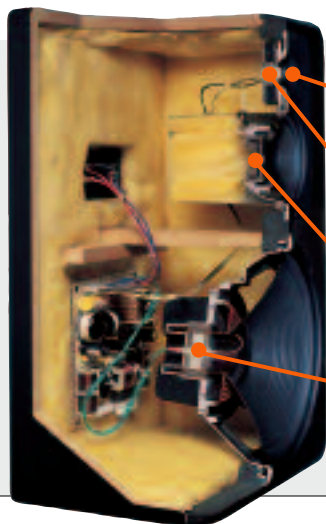
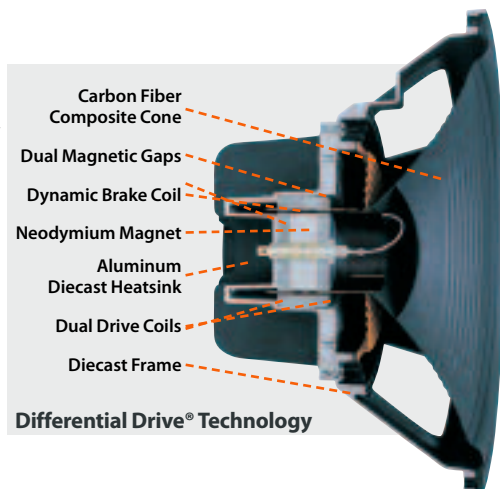
Built-in Boundary Compensation

With the advent of multi-channel production, space limitations may compromise the positioning of the speakers. JBL’s powered LSR6300 models include boundary compensation switches to offset the increase in bass response, that occurs when the speaker is placed near a wall, in a corner or on a work surface.

Stunning Sound

Starting with application-designed and built transducers engineered for extremely accurate response and superb power handling, the stunning sound of the LSR6300 monitors make long mix sessions a pleasure. The LSR6300 line* incorporates the single most significant advance in monitor history: JBL’s patented Differential Drive Technology. Providing unparalleled performance, the woofer permanently dispels the notion that better linearity, higher power handling and greater dynamic accuracy are somehow unobtainable. JBL’s Differential Drive uses two drive coils with twice the thermal surface area of traditional speakers. As a result, LSR6300 systems provide higher peak output with less spectral shift that causes monitors to sound different when driven at different power levels. All LSR Series speakers withstand the JBL loudspeaker torture test driven at full rated power for over 100 hours. Meeting higher standards than any other loudspeaker manufacturer, JBL’s demanding test ensures that the LSR Studio Monitors give you accurate mixes year after year.

* (LSR6328P, LSR6332, LSR6312SP)



LSR6332

Elliptical Oblate Spheroidal (EOS) Waveguide
Designed for a targeted listening window of ± 30 degrees horizontally and ± 15 degrees vertically, the EOS provides smooth response through the entire listening window within 1.5 dB of the on-axis response. The result: The listener, even far off-axis, can hear an accurate representation of the on-axis response.

Composite High Frequency Device
The 1" magnetically shielded dome high frequency device incorporates titanium and composite materials to improve transient response and reduce distortion. The result: By reducing distortion in the lower operating range where the human ear is most sensitive, listener fatigue is dramatically reduced.

500G Midrange Transducer
The midrange is a 2" neodymium motor with a 5-inch woven Kevlar™ cone. The powerful motor structure was chosen to support the low crossover point to the woofer. In order to achieve the goal of accurate spatial response, the crossover points match the directivity characteristics of the three transducers for optimum spatial response. The result: Absolute pinpoint accuracy.

Dynamic Braking
LSR6300 low frequency transducers are equipped with an electromagnetic braking coil that reduces the effects of extreme excursion with high transient material. This causes more linear compliance resulting in lower distortion, more accurate reproduction and increased reliability.



Reinforced mounting points on each speaker allow convenient positioning and installation of multi-channel surround systems for any mixing application, in any studio environment.

● LINEAR SPATIAL REFERENCE DESIGN

● THX pm3® APPROVED

● INTEGRATED MOUNTING POINTS

● RMC™ ROOM MODE CORRECTION SYSTEM

● PATENTED DIFFERENTIAL DRIVE® TECHNOLOGY

LSR6300 Series



LSR6325P

The compact **LSR6325P** provides exceptional performance for use in applications where accuracy is a must, but space is limited. With a 5.25" high-excursion woofer, 1" damped titanium composite tweeter, and 150 Watts of amplification, it outperforms many larger systems. A boundary compensation setting adjusts response when used on workstation surfaces. When used with the LSR6312SP Subwoofer, the LSR6325P is the heart of an exceptionally accurate yet space efficient full-range system.

LSR6328P

The **LSR6328P** is THE choice for stereo and multi-channel music and post audio applications where accuracy and high SPL are required. With ruler-flat +1 dB/-1.5 dB response from 50 Hz to 20 kHz, low frequency extension to 36 Hz, boundary compensation and JBL's new RMC™ system, the LSR6328P gives you exceptional low frequency performance in any room. The system is bi-amplified with a 250 Watt LF amplifier and a 120 Watt HF amplifier. Based around JBL's patented 8" Differential Drive® carbon-fiber woofer and a 1" titanium composite tweeter, the system produces smooth response and extraordinary SPL. Wall mounting provisions make the LSR6328P perfect for installation in multi-channel editorial rooms.



LSR6325P



LSR6328P



LSR6332



LSR6312P

LSR6332

If you need a larger monitor with high SPL, for mid-field, soffit or behind the screen applications, the **LSR6332** is your choice. This three-way non-powered system can handle 200 Watts continuous pink noise/800 Watts peak and will generate 112 dB SPL at 1 meter. The LSR6332 incorporates a 12" neodymium Differential Drive dual coil woofer, 5" Kevlar™ midrange speaker and 1" titanium composite tweeter. The system is exceptionally flat, +1 dB/-1.5 dB from 60 Hz to 22 kHz with LF extension to 35 Hz. User features include a -1 dB HF level setting, and dual 5-way binding posts for bi-wire capability.

LSR6312SP

The **LSR6312SP** powered subwoofer is based on a 12" woofer with JBL's patented neodymium Differential Drive and 260 Watts of power. An integral bass-management system provides all the features you need for today's multi-format surround production including: LCR and Direct LFE inputs, summed output for chaining multiple subwoofers, -4 dB alignment setting, and JBL's new RMC Room Mode Correction system. RMC Calibration Kit included.



RMC™ (Room Mode Correction) Calibration Kit

The LSR6328P and LSR6312SP Subwoofer are equipped with RMC—JBL's ingenious method of zeroing-out bass problems at the mix position caused by room modes. A built-in 1/10th octave parametric equalizer allows you to correct problems below 100 Hz. The RMC Calibration Kit gives you everything you need to identify problematic room modes and tune your system. The LSR6325P and LSR6332 enjoy the benefits of RMC when used in a system with the LSR6312SP Subwoofer.

specifications

	LSR6325P	LSR6328P	LSR6332	LSR6312P
FREQUENCY RESPONSE	70 Hz - 20 kHz (+1, -2 dB)	50 Hz - 20 kHz (+1, -1.5 dB)	60 Hz - 22 kHz (+1, -1.5 dB)	28 Hz - 80 Hz (-6 dB)
LOW FREQUENCY EXTENSION	-10 dB : 48 Hz	-10 dB : 36 Hz	-10 dB : 35 Hz	-10 dB : 26 Hz
AMPLIFIER POWER (LF/HF)	100 W/50 W	250 W/120 W		260 W
SPL (CONTINUOUS/PEAK) (1 m)	106 dB/109 dB	108 dB/111 dB		112 dB/115 dB
LONG-TERM MAXIMUM POWER			200 W cont/800 W peak	
DRIVERS (LF, MF, HF)	5.25 in/1 in	8 in/1 in	12 in/5 in/1 in	12 in
SENSITIVITY 1m (+4 dBU, -10 dBV)	96 dB	96 dB	93 dB/2.83V/1 m (90 dB/1 W/1 m)	96 dB
SYSTEM IMPEDANCE			4 ohms	
CROSSOVER FREQUENCIES	2.3 kHz	1.7 kHz	250 Hz/2.2 kHz	80 Hz
HF ADJUSTMENT	+1.5 dB/-1.5 dB	+1 dB/-1 dB	-1 dB	
INPUTS	Bal XLR, +4 dBU, Unbal RCA -10 dBV	XLR, 1/4" Balanced, +4 dBU, -10 dBV	Dual 5-Way Binding	XLR, 1/4" Balanced, +4 dBU, -10 dBV
MAGNETIC SHIELDING	Yes	Yes	Yes	Yes
MOUNTING CAPABILITY	Yes	Yes	Yes	Yes
FINISH	Dark Graphite	Dark Graphite	Dark Graphite	Dark Graphite
DIMENSIONS (W x H x D)	173 x 269 x 241 mm (6.8 x 10.6 x 9.5 in)	406 x 330 x 325 mm (16 x 13 x 12.5 in)	635 x 330 x 292 mm (25 x 15.5 x 11.5 in)	635 x 394 x 292 mm (25 x 15.5 x 11.5 in)
NET WEIGHT (each)	7.7 kg (17 lb)	17.7 kg (39 lb)	20.4 kg (45 lb)	22.7 kg (50 lb)

4400 Series



The 4400 Series Studio Monitors play a major role in the audio industry. Recording, broadcast, movie and television studios worldwide rely on the 4400 Series monitors as the critical listening source. These industry standards utilize JBL transducer technology with SFG™ magnet structures, large diameter voice coils and a titanium dome tweeter. 4400 Series monitors are sold in mirror imaged pairs.

The 4408A with its 8" low-frequency transducer, is a compact two-way system ideal for the smaller recording studio or for broadcast control rooms.

The 4410A is a three-way system, with a 10" low-frequency transducer, designed as a vertical line array. This system delivers incredibly fine transient response characteristics and spatial detail.

The 4412A is a three-way system ideal for applications requiring maximum low-frequency output from a bookshelf-sized monitor. With its 12" low-frequency transducer and tight transducer complement, the 4412A is a great all-purpose monitor for any application.

specifications

	4408A	4410A	4412A
FREQUENCY RESPONSE	50 Hz - 20 kHz (± 2 dB)	45 Hz - 20 kHz (± 2 dB)	45 Hz - 20 kHz (± 2 dB)
POWER CAPACITY	100 W (IEC)	125 W (IEC)	150 W (IEC)
SENSITIVITY: 1 W, 1 m	89 dB SPL	90 dB SPL	89 dB SPL
NOMINAL IMPEDANCE	8 ohms	8 ohms	8 ohms
CROSSOVER FREQUENCY	2.5 kHz	900 Hz, 4 kHz	850 Hz, 4 kHz
TRANSDUCERS: LF	200 mm (8 in)	250 mm (10 in)	300 mm (12 in)
MF		125 mm (5 in) cone	125 mm (5 in) cone
HF	25 mm (1 in)	25 mm (1 in)	25 mm (1 in)
MAGNETIC SHIELDING	Yes	Yes	Yes
DIMENSIONS (H x W x D)	438 x 305 x 293 mm 17.25 x 12 x 11.625 in	597 x 362 x 286 mm 23.5 x 14.25 x 11.25 in	362 x 597 x 286 mm 14.25 x 23.5 x 11.25 in
NET WEIGHT (each)	12 kg (26 lb)	19 kg (43 lb)	21 kg (47 lb)

Product Index

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.

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JBL LIMITED WARRANTY

The JBL Warranty on professional loudspeaker products (except for enclosures) remains in effect for five years from the date of the first consumer purchase. JBL amplifiers are warranted for three years from the date of the original purchase. Enclosures and all other JBL products are warranted for two years from the date of the original purchase.

Your JBL Warranty protects the original owner and all subsequent owners as long as: A.) Your JBL product has been purchased in the Continental United States, Hawaii or Alaska. (This Warranty does not apply to JBL products purchased elsewhere except for purchases by military outlets. Other purchasers should contact the local JBL distributor for warranty information.) and B.) The original dated bill of sale is presented whenever warranty service is required.

Except as specified below, your JBL Warranty covers all defects in material and workmanship. The following are not covered: Damage caused by accident, misuse, abuse, product modification or neglect; damage occurring during shipment; damage resulting from failure to follow instructions contained in your Instruction Manual; damage resulting from the performance of repairs by someone not authorized by JBL; claims based upon any misrepresentations by the seller; any JBL product on which the serial number has been defaced, modified or removed. JBL will pay all labor and material expenses for all repairs covered by this warranty.



JBL is the largest brand within Harman International Industries Incorporated. JBL's factory is part of the Harman International Business Campus, located in Northridge in the San Fernando Valley of Los Angeles. The 44 acres site comprises all operations of JBL Professional, along with Harman Corporate Engineering activities and other corporate functions.

PROFESSIONAL

JBL Professional's transducers are engineered and fabricated at the Northridge facility, where machining, diaphragm forming, wire milling, voice coil winding, finishing, assembly and testing are carried out by dedicated, quality-oriented personnel.

JBL Professional loudspeaker enclosures are constructed on-site from components produced in JBL's extensive wood mill. Final assembly is done in the JBL Professional factory. Automated equipment is used extensively for uniformity and efficiency. Innovative techniques in enclosure materials, construction and assembly methods are employed.

JBL Professional has the most rigorous standards for system power rating in the professional loudspeaker industry. Power testing of transducers is an ongoing activity at JBL Professional. Samples from all production lots are tested at full rated power to industry standards to ensure that they meet the rigid performance specifications set for them. This is the professional customer's assurance that JBL loudspeakers will continue to perform as expected in the most rigorous professional applications.

Visit us online at www.jblpro.com

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 A Harman International Company