JBL is the largest brand within Harman. JBL’s home base is part of the Harman International Business Campus, located in Northridge in the San Fernando Valley of Los Angeles. The 44 acre site comprises the offices of JBL Professional, along with Harman Corporate Engineering activities and other corporate functions.

JBL Professional’s transducer design and manufacturing processes including machining, diaphragm forming, wire milling, voice coil winding, finishing, assembly and testing are all carried out by dedicated, quality-oriented personnel.

JBL Professional loudspeaker enclosures are constructed from components produced in JBL’s extensive wood mill. 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.

THE JBL STORY: 60 YEARS OF AUDIO INNOVATION

Celebrating sixty years of success in the speaker industry, this book offers details on the people and products that have made JBL famous. It features full-color photos, historical advertisements, and hundreds of diagrams and images, many taken right from JBL’s archives. Topics include stories behind the development of innovative applications for consumer products, as well as systems installations for stadiums, tour sound, movie theaters, recording studios, and places of worship. In addition to the technical info that explains the innovation, this book covers the brilliant engineers, and colorful record producers, musicians and technicians who had the vision to pursue a “better way.” Available at bookstores and on line.
EON. PRX Series. JRX Series. MRX Series. SRX Series. VRX Series.

With nearly one million EON’s shipped and millions more passive and powered speakers delivered worldwide, JBL sets the standards for audio quality, ergonomics and reliability in portable PA. From the cost effectiveness of the JRX line, the simplicity of EON, to the groundbreaking line-array designs of the VRX, JBL’s commitment to performance, value and experience are in full force when it comes to portable audio.

From Concerts to Clubs

Our passive system solutions like JRX, MRX, SRX and VRX incorporate the cabinet and driver technology developed specifically for Tour Sound, Cinema and Installed Sound markets. VRX900 and SRX700 Series speakers deliver the power and performance you should expect from the highest quality, professional speaker systems. JBL’s patented Differential Drive® speaker technology has reduced speaker weight dramatically while still maintaining the highest level of performance available from a portable PA speaker. And taking the lead from VRX900 and SRX700 Series speakers, MRX500 delivers extraordinary sound quality, power handling and performance at an affordable price.

The Whole is Greater Than the Sum of the Parts

Our powered systems incorporate not only the proprietary JBL driver technologies, but integrate signal processing and amplifier technology from sister companies dbx® and Crown®. PRX600 Series offer stellar performance, tremendous utility and exceptional value in a light-weight, rugged package. VRX powered technology is commonly used in demanding situations where high-output and sonic integrity are critical factors in an audio system. And EON Series is the undisputed leader in portable, light-weight plastic enclosures. With the advent of our new EON210P package PA, JBL moves into a new class of product that brings professional features and performance to the general public in a form factor that is simple to use and easy to handle.

JBL means “Portable Performance.”
Versatility
EON’s flexible mounting capability, awesome power and extreme light weight set the new standard as the performance do-it-all system for gigging musicians, entertainers, presenters, touring bands and mobile DJ’s. Main or monitor, pole or stand mounted, and even suspended, EON is right at home regardless of the venue or application. Audience expectations are high, and EON delivers.

Performance Refined
EON offers the highest power-to-weight ratio of anything in its class. Extend the low frequency performance of all EON systems with the EON518S. This subwoofer features an 18” JBL Differential Drive® low frequency driver with a massive 500 Watts of power in a compact package that is nearly half the weight of the competition.

High Quality Drivers
JBL’s exclusive Differential Drive® technology ensures EON has more power and less weight. These patented low-frequency drivers use neodymium magnets and dual voice coils to perform better than conventional designs with less distortion and at a fraction of the weight. JBL’s next-generation neodymium compression drivers deliver stunningly accurate high frequencies through a new 1” exit design.

Powered by Crown®
JBL and Crown® collaboration results in designs of unmatched integration and efficiency. At the heart of the 515XT’s massive output is a Crown Class-D amplifier that delivers high volume, low distortion and continuous performance with superb headroom and power to spare.

Built-in Mixers
The innovative built-in 3 channel mixer on the EON515XT all but eliminates the need for an outboard mixer and is one of the keys to the EON’s unmatched popularity. The professional plug-and-play architecture appeals to any artist that has to set up quickly and deliver professional sound. Line level and direct microphone input capability, user selectable EQ, plus a clever mix/loop function for adding additional EONs or sending sub-mixes, ensure EON delivers unmatched simplicity with plenty of expansion capability.

Coverage
JBL is constantly advancing waveguide technology to ensure that consistent, balanced sound reaches all of your audience clearly and intelligibly. The Next Generation EON full-range cabinets feature a new 100º H x 60º V asymmetrical design guaranteeing an exceptionally wide coverage pattern and lower distortion.

Portability
EON is synonymous with portability. One person can easily lift, load, and mount an EON system virtually anywhere. Deep-welled, full-size handles feature ergonomically designed grip points, while balanced weight distribution and composite enclosures make EON truly one of the lightest and easiest sound reinforcement systems to transport and setup.

Proven Reliability
JBL has drawn from over 60 years of world-class speaker design to develop the latest durable lightweight technologies. In addition to the legendary performance of JBL transducers, the new EON series incorporates special limiter circuitry that will protect the electronic components when driven hard, rigorously tested by the world-famous 100-hour torture test. Covered by a full metal grille with protective backing fitted to a robust composite shell, you can assure EON will stand up to the rigors of road abuse and deliver the performance you need every time.

For the past 16 years JBL has led the portable PA market with EON, the best selling powered speaker in professional audio history. Since 2008 this new generation continues the class-leading traditions of design, performance, and quality. Featuring three models in the EON500 series and two models in the EON300 series, EON delivers more power, portability, and versatility than any other speaker in its class, raising the bar dramatically for advanced powered loudspeaker systems, while retaining that signature JBL EON® sound.
EON® 500 Series

key features

- LIGHT WEIGHT FOR TRUE PORTABILITY
- COMFORTABLE GRIPS FOR EASY TRANSPORT
- BUILT-IN 3-CHANNEL MIXER (EON 510 & 515)
- DIFFERENTIAL DRIVE® LOW FREQUENCY TRANSDUCERS
- EFFICIENT CLASS-D DIGITAL AMPLIFIER TECHNOLOGY

EON515XT

The EON515XT was engineered for durability, high performance and ease of use. We’ve extended the reach of the current EON technology by improving input sensitivity, lowering the noise floor, adding user selectable EQ control and re-voicing the system for peak performance and enhanced audio precision. The sturdy construction and superior ergonomic design will guarantee a lifetime of reliability and simplicity. Put it all together and the EON515XT is the toughest, smartest and most impressive EON ever.

EON510

The EON510 is a 10-inch, two-way, powered, portable speaker system. Capable of reproducing full bandwidth sound at high levels it offers the additional utility of a 3 channel built-in mixer.

EON518S

The EON518S is an 18-inch, direct radiating, high performance powered compact subwoofer system designed to extend low frequency performance of any EON system. It also offers the convenience of an integrated crossover and stereo loop-thru capability.

 specifications

<table>
<thead>
<tr>
<th>EON510</th>
<th>EON515XT</th>
<th>EON518S</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEM TYPE</td>
<td>Self-powered 10”, two-way, bass-reflex design</td>
<td>Self-powered 15”, two-way, bass-reflex design</td>
</tr>
<tr>
<td>FREQUENCY RANGE (-10dB)</td>
<td>58 Hz - 18.5 kHz (EQ in ‘Flat’ position)</td>
<td>39 Hz - 20 kHz</td>
</tr>
<tr>
<td>COVERAGE PATTERN</td>
<td>100º H x 60º V nominal</td>
<td>100º H x 60º V nominal</td>
</tr>
<tr>
<td>CROSSOVER FREQUENCY</td>
<td>1.6 kHz</td>
<td>1.7 kHz</td>
</tr>
<tr>
<td>SENSITIVITY</td>
<td>121 dB</td>
<td>132 dB</td>
</tr>
<tr>
<td>MAXIMUM SPL</td>
<td>280 W continuous, 560 W peak</td>
<td>Crown Class-D 625 Watts (525 + 100)</td>
</tr>
<tr>
<td>TRANSDUCERS: LF</td>
<td>3 x JBL 261F 254 mm (10 in)</td>
<td>1 x JBL 265G 380 mm (15 in)</td>
</tr>
<tr>
<td>HF</td>
<td>1 x JBL 2414H-1 25.4 mm (1 in)</td>
<td>1 x JBL 2414H 25.4 mm (1 in)</td>
</tr>
<tr>
<td>CONNECTORS: INPUT 3</td>
<td>Balanced XLR / 1/4 inch TRS combo jack</td>
<td>Balanced XLR / 1/4 inch TRS jack</td>
</tr>
<tr>
<td>INPUT 1 &amp; 2 OUTPUT</td>
<td>1/4 inch TRS jack</td>
<td>Balanced XLR / 1/4 inch TRS jack</td>
</tr>
<tr>
<td>SUSPENSION/MOUNTING</td>
<td>Balanced male XLR, +20 dBu (peak)</td>
<td>Balanced male XLR, +20 dBu (peak)</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>490 x 315 x 262 mm</td>
<td>35 mm pole socket with stabilizing screw</td>
</tr>
<tr>
<td>(H x W x D)</td>
<td>19.3 x 12.4 x 10.3 in</td>
<td>3 x M10 suspension points</td>
</tr>
<tr>
<td>NET WEIGHT (each)</td>
<td>7.7 kg (17 lb)</td>
<td>3 x M10 suspension points</td>
</tr>
</tbody>
</table>
EON® 300 Series

EON changed the way people looked at portable PA well over ten years ago as the all-purpose solution for instant sound reinforcement no matter where you are. And now, EON300 series speakers puts the next generation of EON systems within reach of an even broader range of users, delivering the fundamental elements that make a speaker system an EON at an even more affordable price.

**specifications**

<table>
<thead>
<tr>
<th>SYSTEM TYPE</th>
<th>15”, two-way, bass-reflex design</th>
<th>Self-powered 15”, two-way, bass-reflex design</th>
</tr>
</thead>
<tbody>
<tr>
<td>FREQUENCY RANGE (-10dB)</td>
<td>38 Hz - 20 kHz</td>
<td>38 Hz - 20 kHz (EQ in ‘Flat’ position)</td>
</tr>
<tr>
<td>COVERAGE PATTERN</td>
<td>100° H x 60° V nominal</td>
<td>100° H x 60° V nominal</td>
</tr>
<tr>
<td>CROSSOVER FREQUENCY</td>
<td>1.9 kHz</td>
<td>1.8 kHz</td>
</tr>
<tr>
<td>SENSITIVITY</td>
<td>98 dB (1w/1m)</td>
<td>127 dB</td>
</tr>
<tr>
<td>MAXIMUM SPL</td>
<td>128 dB</td>
<td>127 dB</td>
</tr>
<tr>
<td>SYSTEM POWER RATING</td>
<td>250 W continuous, 500 W program, 1000 W peak</td>
<td>280 W continuous, 560 W peak</td>
</tr>
<tr>
<td>TRANSDUCERS: LF</td>
<td>3 x 380 mm (15 in) JBL woofer</td>
<td>3 x 380 mm (15 in) JBL woofer</td>
</tr>
<tr>
<td></td>
<td>1 x JBL 2414H-1 25.4 mm (1 in) HF</td>
<td>1 x JBL 2414H-1 25.4 mm (1 in) HF</td>
</tr>
<tr>
<td>CONNECTORS: INPUT OUTPUT</td>
<td>Parallel Neutrik® NL4 / 1/4” combo connectors</td>
<td>Balanced XLR / 1/4 inch TRS combo jack</td>
</tr>
<tr>
<td>SUSPENSION/MOUNTING</td>
<td>35 mm pole socket with stabilizing screw</td>
<td>Balanced male XLR, +20 dBu (peak) o/p level</td>
</tr>
<tr>
<td>DIMENSIONS (H x W x D)</td>
<td>685 x 438 x 366 mm</td>
<td>685 x 438 x 366 mm</td>
</tr>
<tr>
<td></td>
<td>27 x 17.3 x 14.4 in</td>
<td>27 x 17.3 x 14.4 in</td>
</tr>
<tr>
<td>NET WEIGHT (each)</td>
<td>15 kg (33 lb)</td>
<td>15.9 kg (35 lb)</td>
</tr>
</tbody>
</table>

**key features**

- 15” LOW-FREQUENCY DRIVER WITH A 64MM 2-1/2”) DIAMETER EDGE WOUND RIBBON VOICE COIL
- LIGHT WEIGHT FOR TRUE PORTABILITY
- 100° H x 60° V ASYMMETRICAL WAVEGUIDE FOR UNIFORM AUDIENCE COVERAGE
- EFFICIENT CLASS-D DIGITAL AMPLIFIER TECHNOLOGY (EON315)

**EON305**

**The EON305** is a 15-inch, two-way, passive, portable speaker system. It is a lightweight loudspeaker system capable of fullbandwidth reproduction at high levels. The EON305 is comprised of a 380 mm (15 in) JBL woofer, a 25.4 mm (1 in) neodymium high frequency compression driver coupled to a 100° H by 60° V waveguide. The system will handle 250 watts continuously and 1000 watts peak.

**EON315**

**The EON315** is a 15-inch, two-way, powered, portable speaker system. It is a complete self-contained sound reinforcement system, capable of fullbandwidth reproduction at high levels with the added benefit of a microphone pre-amp enabling the direct connection of a dynamic microphone. The EON315 is comprised of a 380 mm (15 in) JBL woofer, a 25.4 mm (1 in) neodymium high frequency compression driver coupled to a 100° H by 60° V waveguide. Both components are driven by the discrete channels of a 280 watt Class-D integrated power amplifier. The input section contains all cross-over functions, protection, and system EQ functionality.
EON® 210P

key features

Whether you’re making a presentation, teaching aerobics or a math class, performing stand-up comedy or making music with friends, it’s not enough to be heard - you need to be understood. That means your personal PA has to be clear, natural and loud. The EON210P from JBL has all of the features you’ll need to reach your audience and make that meaningful impression.

We’ve developed an ergonomic system that allows you to easily move through life… in and out of cars, through doorways or up and down stairs. With its light weight and compact profile the EON 210P makes transportation and set-up a breeze.

The system’s thoughtful modern design makes it a breeze to enjoy “true stereo” audio in just minutes. The 8 input channels, tone controls and digital effects give you the flexibility to cover any situation while its plug-and-play layout makes the entire experience inviting and fun.

You can feel confident that JBL’s 60 year commitment to innovation and reliability ensures that the EON210P’s sound quality is pure and that the product will last a lifetime.

specifications

<table>
<thead>
<tr>
<th>EON210P</th>
<th>Powered mixer with two (2) two-way bass-reflex enclosures</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEM TYPE</td>
<td>75-19 kHz</td>
</tr>
<tr>
<td>FREQUENCY RESPONSE (±3 dB)</td>
<td>100° x 60° nominal</td>
</tr>
<tr>
<td>COVERAGE PATTERN</td>
<td>124dB peak system output (pink noise)</td>
</tr>
<tr>
<td>MAXIMUM SPL OUTPUT</td>
<td>Crown® Class D</td>
</tr>
<tr>
<td>AMPLIFIER DESIGN</td>
<td>300 W (2 x 150 W Sine Wave Burst)</td>
</tr>
<tr>
<td>SYSTEM POWER RATING</td>
<td>8 inputs (4 Mono Mic/Line, 2 X Stereo)</td>
</tr>
<tr>
<td>CONNECTORS: INPUT</td>
<td>XLR / 1/4” jack combo connectors (mic level XLR, line level 1/4”)</td>
</tr>
<tr>
<td>CHANNELS: INPUT</td>
<td>One pair of 1/4” balanced TRS jacks (stereo), one pair of RCA jacks (stereo)</td>
</tr>
<tr>
<td>OUTPUT CONNECTORS: AMP</td>
<td>3.5 mm stereo jack</td>
</tr>
<tr>
<td>MONITOR</td>
<td>2 X 1/4” TS (unbalanced)</td>
</tr>
<tr>
<td>HEADPHONE</td>
<td>Pair of 1/4” balanced TRS jacks (stereo), pair of RCA jacks (stereo)</td>
</tr>
<tr>
<td>PHANTOM POWER</td>
<td>30V</td>
</tr>
<tr>
<td>EQ</td>
<td>3.5 mm stereo jack</td>
</tr>
<tr>
<td>SYSTEM LIMITER</td>
<td>Individual channel bass and treble controls, center detent, +/-6db cut and boost</td>
</tr>
<tr>
<td>TRANSUCERS: LF</td>
<td>On-board DSP limiting and tuning</td>
</tr>
<tr>
<td>HF</td>
<td>1 x JBL 328H (10 in) woofer</td>
</tr>
<tr>
<td>MOUNTING</td>
<td>1 x JBL 2414H-1 37.5 mm (1.5 in) annular polymer diaphragm, neodymium compression driver</td>
</tr>
<tr>
<td>SUSPENSION/MOUNTING</td>
<td>36mm pole socket with stabilizing screw</td>
</tr>
<tr>
<td>HANDLES</td>
<td>One on top</td>
</tr>
<tr>
<td>MOUNTING</td>
<td>36mm pole socket with stabilizing screw</td>
</tr>
<tr>
<td>DIMENSIONS (SHIPPING)</td>
<td>546 x 660 x 349 mm</td>
</tr>
<tr>
<td>(H x W x D):</td>
<td>21.5 x 26 x 13.75 in</td>
</tr>
<tr>
<td>NET WEIGHT:</td>
<td>15 kg (33 lb) total</td>
</tr>
<tr>
<td></td>
<td>Powered mixer: 19 lb; Storage pod: 14 lb</td>
</tr>
</tbody>
</table>
PRX600 Series
Self-Powered Loudspeakers - compact, ultra-lightweight systems ... performance you can trust.

The PRX 600 Series represents an evolutionary step in the efficient use of amplifier power, rugged durability and enhanced versatility in a self-powered loudspeaker. The speakers were designed from the ground up to perform in the real world of sound reinforcement where challenging audio environments, high ambient noise levels and loud volumes are the norm. And we’ve built these speakers to last a lifetime using tour tested technology that’s reliable and trustworthy. Knowing you can rely on your system to deliver everything you need gives you the freedom to deliver your best. That’s performance you can trust. With the PRX600 Series, as always, JBL delivers.
The PRX 600 Series is a platform technology that allows you to create the system you need from an intelligent range of models. While each model was designed to excel at a specific application, the PRX Series integrate seamlessly with one another offering a multitude of choices when tailoring a system to fit your specific needs.

Whether you need a single speaker on a stand for public address situations, a full-range stereo setup with two top cabinets and a subwoofer for live performance or DJ applications, or multiple cabinets for a scalable, highly professional sound reinforcement situation, the PRX600 Series offers the solutions. In fact, you can even suspend any of the top cabinets for use in a commercial installation or House of Worship. If versatility, scalability, portability and affordability are what you’re looking for in a system, PRX 600’s are the intelligent choice.

PRX612M
12” 2-WAY MULTIPURPOSE SELF-POWERED SOUND REINFORCEMENT SYSTEM
PRX612M is the most compact and versatile speaker in the PRX600 Series line. It has been designed to deliver superior performance for its weight and size as both a stage monitor and a front of house main PA. Two user selectable EQ settings are provided to optimize the system for either application. With a dual socket pole mount, the PRX612M is a perfect match with either the PRX618S subwoofer or the PRX618S-XLF subwoofer. Additionally the PRX612M’s microphone input allows for instantaneous use as convenient, single source PA.

PRX615M
15” 2-WAY MULTIPURPOSE SELF-POWERED SOUND REINFORCEMENT SYSTEM
The 2-way 15” is the most recognizable form of a portable PA loudspeaker, the perfect balance between size and performance. Due to the unique shape of the cabinet, the PRX615M can double as a stage monitor or a front of house main speaker and for applications requiring full bandwidth sound reproduction, using only a pair of speakers, the PRX615M delivers the optimum balance. For live music, recorded music playback and speech the user has the option of tailoring the EQ, ‘flat’ for speech intelligibility or use with a sub, and ‘monitor’ for enhanced feedback suppression. As with the PRX612M, a microphone can be directly connected to the speaker input for quick on-the-fly PA applications.

PRX625
DUAL 15” 2-WAY SELF-POWERED SOUND REINFORCEMENT SYSTEM
If a simple set-up is required and full bandwidth output at high levels is a must, then the PRX625 is most likely the optimum solution. Dual 15” drivers, coupled with the Crown class D amplifiers offer tremendous punch and depth at heart stopping volume levels – maximum levels are rated at 139 db! As with the entire PRX full-range models user selectable EQ is provided in addition to a direct microphone input option.

PRX635
15” 3-WAY SELF POWERED SOUND REINFORCEMENT SYSTEM
The PRX535 offers the highest level of performance in the PRX500 Series that can be mounted on a pole. It is a 3-way configuration and by design, it is the most accurate in the PRX500 Series. With a horn loaded midrange, pattern control is maintained to a much lower frequency resulting in exceptional clarity and uniform sonic projection over the defined coverage area. Ideally suited to applications where the program material, live or pre-recorded, has many subtle nuances that are critical to the success of the performance. As with all the full-range PRX600 Series systems, two EQ selections can be used to optimize the system for the program material and/or environment. The input section also accommodates either Line or Mic/Instrument level inputs.

PRX618S
18” SELF POWERED SUBWOOFER SYSTEM
Compact and powerful, the PRX618S offers the performance of an 18” subwoofer in a package not much larger than a typical 15” sub. With a pole receptacle (that accepts a SSS-8K) on the top panel and integrated stereo pass-thru, with digital cross-over, this is the perfect compliment to the PRX600 full-range systems. Configured with a PRX612M or PRX615m; the result is a highly transportable, high performance sub-satellite system. The addition of a polarity reverse option further enables system optimization.

PRX618S-XLF
18” SELF POWERED EXTENDED LOW FREQUENCY SUBWOOFER SYSTEM
Featuring an extended low frequency response, this high performance 18” subwoofer system utilizes a 700 watt Crown class D amplifier in addition to JBL’s Dual-Bridge Technology™, an 18” 2268FF dual voice coil Differential Drive® woofer – technology you need when want to move serious air! The PRX618S-XLF also features a DSP driven input section with selectable crossover, polarity reverse and loop-through capability for “smart patching” all housed in a rugged, DuraFlex™ covered plywood enclosure with foam backed steel grille, M20 pole mount and non-skid rubber feet.
| Model     | Type                          | Maximum SPL Output | Frequency Range (-10 dB) | Frequency Response (±3 dB) | Input Connectors             | Coverage Pattern | Amplifier Design | System Power Rating | LF Driver               | Mid Driver | HF Driver          | Enclosure | Suspension/Mounting | Finish   | Dimensions (H x W x D) | Net Weight | Gross Weight |
|-----------|-------------------------------|--------------------|--------------------------|----------------------------|----------------------------|------------------------|-----------------|-------------------|---------------------|-----------------------|------------|-------------------|-----------|---------------------|-----------|-------------------|------------|--------------|
| PRX612M   | Self Powered 12” Two-way Bass-reflex | 134 dB (full range) peak | 50 Hz - 19.5 kHz          | 60 Hz - 17.5 kHz           | Balanced XLR / 1/4 in combo jack w/ XLR loop through | 90° x 50° nominal | Crown Class D | 1,000 W (2 x 500) | 1 x JBL 262F-1 305 mm (12 in) | Differential Drive® | 8 x M10 suspension points | Obsidian DuraFlex™ | 592 x 353 x 340 mm | 15.6 kg (34.5 lb) | 19.2 kg (42.5 lb) |
| PRX615M   | Self Powered 15” Two-way Bass-reflex | 133 dB (monitor) peak | 54 Hz - 18 kHz            | Balanced XLR / 1/4 in combo jack w/ XLR loop through | 90° x 50° nominal | Crown Class D | 1,500 W (3 x 500) | 2 x JBL 265F-1 380 mm (15 in) | Differential Drive® | 8 x M10 suspension points | Obsidian DuraFlex™ | 660 x 429 x 414 mm | 19.7 kg (43.5 lb) | 24.2 kg (53.5 lb) |
| PRX625    | Self Powered dual 15” Two-way Bass-reflex | 139 dB peak | 40 Hz - 19.5 kHz          | Balanced XLR / 1/4 in combo jack w/ XLR loop through | 90° x 50° nominal | Crown Class D | 1,500 W (3 x 500) | 2 x JBL 265F-1 380 mm (15 in) | Differential Drive® | 8 x M10 suspension points | Obsidian DuraFlex™ | 1053 x 430 x 413 mm | 27.2 kg (60 lb) | 29.2 kg (64.5 lb) |
| PRX618S   | Self Powered 18” Bass-reflex | 129 dB peak | 41 Hz - 130 Hz | Balanced XLR w/ XLR loop through | 90° x 50° nominal | Crown Class D | 1,500 W (3 x 500) | 1 x JBL 268G 460 mm (18 in) | Differential Drive® | 1 x M10 pull-back point | Rectangular, 18mm plywood | 685.8 x 530.9 x 716.3 mm | 37 kg (81.5 lb) | 42.3 kg (93 lb) |
| PRX618S-XLF | Self Powered 18” Bass-reflex | 129 dB peak | 41 Hz - 130 Hz | Balanced XLR w/ XLR loop through | 90° x 50° nominal | Crown Class D | 1,000 W (2 x 500) | 1 x JBL 2268FF 460 mm (18 in) | Differential Drive® | 1 x M10 pull-back point | Rectangular, 18mm plywood | 685.8 x 530.9 x 716.3 mm | 37 kg (81.5 lb) | 42.3 kg (93 lb) |
| PRX618S-XLF | Self Powered 18” Bass-reflex | 129 dB peak | 41 Hz - 130 Hz | Balanced XLR w/ XLR loop through | 90° x 50° nominal | Crown Class D | 1,000 W (2 x 500) | 1 x JBL 2268FF 460 mm (18 in) | Differential Drive® | 1 x M10 pull-back point | Rectangular, 18mm plywood | 685.8 x 530.9 x 716.3 mm | 37 kg (81.5 lb) | 42.3 kg (93 lb) |
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 1⁄4” input connectors.

The JRX115i 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.

**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.

**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.

**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.

**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.

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**Specifications**

<table>
<thead>
<tr>
<th>System Type</th>
<th>Frequency Response (-10 dB)</th>
<th>Sensitivity: 1 W, 1 m</th>
<th>Nominal Impedance</th>
<th>Peak Power Capacity</th>
<th>Maximum SPL</th>
<th>Nominal Dispersion Components</th>
</tr>
</thead>
<tbody>
<tr>
<td>JRX115 &amp; JRX115i</td>
<td>38 Hz - 16 kHz</td>
<td>98 dB SPL</td>
<td>8 ohms</td>
<td>250 watts</td>
<td>1000 watts</td>
<td>128 dB</td>
</tr>
<tr>
<td>JRX125</td>
<td>Dual-15” Two-Way Speaker</td>
<td>35 Hz - 16 kHz</td>
<td>100 dB SPL</td>
<td>133 dB</td>
<td>90° x 50°</td>
<td></td>
</tr>
<tr>
<td>JRX125 &amp; JRX112Mi</td>
<td>Two-Way Stage Monitor</td>
<td>60 Hz - 16 kHz</td>
<td>99 dB SPL</td>
<td>129 dB</td>
<td>90° x 50°</td>
<td></td>
</tr>
<tr>
<td>JRX118S</td>
<td>18” Subwoofer</td>
<td>38 Hz - 300 Hz</td>
<td>4 ohms</td>
<td>250 watts</td>
<td>1000 watts</td>
<td>127 dB</td>
</tr>
<tr>
<td>JRX118SP</td>
<td>18” Powered Subwoofer</td>
<td>38 Hz - 300 Hz</td>
<td>4 ohms</td>
<td>350 watts</td>
<td>1400 watts</td>
<td>127 dB</td>
</tr>
</tbody>
</table>

**Driver Details**

- **HF:** JBL 2412 1 in exit compression
- **LF:** JBL M115-8A
- **HF:** JBL 2043-G
- **LF:** JBL 2043-G
- **LF:** JBL 2412 1 in exit compression
- **LF:** JBL 2412 1 in exit compression
- **LF:** JBL 2412 1 in exit compression
- **LF:** JBL 2412 1 in exit compression

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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.
MRX500 Series

Constantly pushing the threshold for better, more useful products for the working musician and DJ, JBL Professional once again hits the target with the all new MRX500 Series Loudspeaker System. Compact, lightweight, truly portable, the MRX500 is the ultimate PA system for musicians and DJ’s who need fully professional sound and performance within a budget.

Taking a lead from the SRX700 Professional Loudspeaker System, these new components deliver extraordinary sound quality, power handling and performance yet, due to JBL’s advanced engineering, benefit from a significant weight savings over traditional designs. The result is a speaker system that will perform well beyond any other system in its class.

Featuring as much as 30% less weight than comparable systems, the MRX was designed from the ground up by JBL engineers utilizing brand new lightweight JBL Differential Drive® transducer technology, engineered for this application. Drawing on the vast engineering excellence established with the industry standard and road proven VERTEC® Professional Loudspeaker Series, the MRX delivers outstanding performance for the DJ and musician where a smaller, lighter, more portable system is required with no sacrifice in sound quality or durability. Specifically engineered for MRX and completing the design, a series of rugged plywood enclosures, covered with JBL’s DuraFlex™ finish, a tough, textured scratch resistant surface, that ensures years of solid performance and professional good looks.
key features

MRX500 Series

Differential Drive Transducers
JBL Professional designed a brand new range of 400W Differential Drive® transducers in 12" and 15" configurations, perfectly matched to the brand new 1.5" annular polymer diaphragm compression driver producing a transducer engine that weighs significantly less than traditional transducer designs, yet their performance, sound quality and power handling are extraordinary.

Custom Waveguides
The constant beamwidth and power response of MRX500's custom designed waveguide is perfectly matched to its direct radiating woofers which ensures superb coverage throughout the frequency range of the system.

Engineered Enclosures
Combining mechanical design expertise, new materials and a DuraFlex™ finish, MRX500 enclosures have been optimized for minimum weight and maximum ruggedness.

Proven Networks
Utilizing years of design experience, MRX networks are built using proven components in the most sophisticated topologies in their class. For maximum reliability, all input and loop-thru connections are made via Neutrik® NL4MP connectors. In addition, the input connections can be easily reconfigured on the subs, for an efficient sub/sat cabling option.

Dual Angle Pole Mount
The dual angle pole mount on the MRX512M and MRX515 offers much more control than the typical single mount. With a 10° down angle the speaker can be directed down toward your audience, keeping the energy off the back wall enhancing coverage and clarity.

MRX512M
The MRX512M is a premium, utility/monitor speaker using a JBL 262H 305 mm (12 in) Differential Drive® woofer and a 2408H 37.5 mm (1.5 in) annular polymer diaphragm, neodymium compression driver for 400 watts (continuous) power capacity. A 70° x 70° horn provides smooth, even coverage whether used in the vertical (mains) or horizontal (monitor) orientation. NL4 connectors are provided on both ends of the speaker. A passive network provides accurate reproduction throughout the cross-over region. JBL’s dual angle pole mount is included.

MRX515
The MRX515 is a high-power, lightweight two-way loudspeaker system offering a very high level of performance from a speaker that can be placed on a pole or standard speaker tripod stand. The MRX515 is comprised of a 380 mm (15 in) 265H Differential Drive® woofer which handles 400 watts (continuous) yet the entire system weighs only 19.5 kg (43 lbs). For the high frequencies, the 2408H 37.5 mm (1.5 in) annular polymer diaphragm, neodymium compression driver is mounted to a 70° x 70° horn. JBL’s dual angle pole mount is included.

MRX525
The MRX525 is comprised of two 380 mm (15 in) 265H Differential Drive® woofers with combined power handling of 800 watts (continuous). For the high frequencies, 2408H 37.5 mm (1.5 in) annular polymer diaphragm, neodymium compression driver is mounted to a 70° x 70° horn. The 70° coverage angle of the MRX525 is wide enough to provide coverage of an audience when used one-per-side yet narrow enough to allow splicing of multiple enclosures without excessive coverage overlap.

For simplicity, a pair of MRX525s and a single, high-power amplifier is a complete sound system capable of reinforcing bass and kick drum or playing high-level music in clubs and other venues.

MRX518S
The MRX518S is equipped with a top-mounted, 35 mm pole mount socket that can receive the optional SS3-BK pole. This can be used to mount speakers equipped with standard 36 mm pole sockets and weighing up to 50 kg (100 lbs).

MRX528S
The MRX528S is a compact, high power subwoofer system containing one 2044G 457 mm (18 in) woofer in a front-loaded, vented enclosure. The enclosure is designed to present a minimum frontal area.

The system offers complete input connection flexibility for compatibility with a variety of cabling schemes. The input panel incorporates a pair of Neutrik® Speakon® NL-4 connectors wired in parallel. The MRX518S is supplied with pins +1/-1 connected to the woofer. This may be easily reconfigured to work with cabling systems intended to drive subwoofers on pins +2/-2.

For “Subwoofer/Satellite” configurations, the MRX518S is equipped with wires +1/-1 connected to the woofer. This may be easily reconfigured to work with cabling systems intended to drive subwoofers on pins +2/-2.

MRX515S
The MRX515S is a premium, utility/monitor speaker using a JBL 262H 305 mm (12 in) Differential Drive® woofer and a 2408H 37.5 mm (1.5 in) annular polymer diaphragm compression driver for superior sound quality and power handling in a lightweight package.

The Dual Angle Pole Mount allows the speaker to be mounted in a vertical position or with a 10° down tilt for optimum audience coverage.

The Differential Drive® Transducers are perfectly matched to the annular polymer diaphragm compression driver for superior sound quality and power handling in a lightweight package.

The 16-gauge steel grille, with an acoustically transparent screen for additional driver protection, wraps around the sides of the enclosure. All cabinets are finished in DuraFlex™ for ruggedness.

- Differential Drive® LF Transducers
- Annular Polymer Diaphragm Compression Drivers
- Heavy Duty 16 Gauge Protective Screen-Backed Steel Grille
- Tough DuraFlex™ Finish

PORTABLE PRODUCTS
### MRX500 Specifications

<table>
<thead>
<tr>
<th>System Type</th>
<th>Frequency Range</th>
<th>Frequency Response</th>
<th>Sensitivity: 1 W, 1 m</th>
<th>Nominal Impedance</th>
<th>Power Rating 1</th>
<th>Coverage Pattern</th>
<th>Transducers: LF</th>
<th>HF</th>
<th>Finish</th>
<th>Input Connectors</th>
<th>Dimensions (H x W x D)</th>
<th>Net Weight (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>MRX512M</strong></td>
<td>12&quot; Two-way Stage Utility/Monitor Speaker</td>
<td>60 Hz - 20 kHz (-10 dB)</td>
<td>90 Hz - 20 kHz (+3 dB)</td>
<td>94 dB SPL</td>
<td>8 ohms</td>
<td>400 W / 800 W / 1600 W</td>
<td>2 hrs</td>
<td>1 x JBL 262H 305 mm (12 in)</td>
<td>1 x JBL 2408H 37.5 mm (1.5 in)</td>
<td>Neutrik® NL4MP</td>
<td>645 x 380 x 345 mm</td>
<td>14.9 kg (33 lb)</td>
</tr>
<tr>
<td><strong>MRX515</strong></td>
<td>15&quot; Two-way Bass-reflex Speaker</td>
<td>52 Hz - 20 kHz (-10 dB)</td>
<td>65 Hz - 20 kHz (+3 dB)</td>
<td>98 dB SPL</td>
<td>8 ohms</td>
<td>400 W / 800 W / 1600 W</td>
<td>2 hrs</td>
<td>1 x JBL 265H 380 mm (15 in)</td>
<td>1 x JBL 2408H 37.5 mm (1.5 in)</td>
<td>Neutrik® NL4MP</td>
<td>700 x 430 x 345 mm</td>
<td>19.5 kg (43 lb)</td>
</tr>
<tr>
<td><strong>MRX525</strong></td>
<td>Dual 15&quot; Two-way Bass-reflex Subwoofer</td>
<td>40 Hz - 20 kHz (-10 dB)</td>
<td>57 Hz - 20 kHz (+3 dB)</td>
<td>100 dB SPL</td>
<td>4 ohms</td>
<td>800 W / 1600 W / 3200 W</td>
<td>2 hrs</td>
<td>2 x JBL 265H 380 mm (15 in)</td>
<td>1 x JBL 2408H 37.5 mm (1.5 in)</td>
<td>Neutrik® NL4MP</td>
<td>1240 x 535 x 460 mm</td>
<td>38.2 kg (84 lb)</td>
</tr>
<tr>
<td><strong>MRX518S</strong></td>
<td>18&quot; Bass-reflex Subwoofer</td>
<td>40 Hz - 200 Hz (-10 dB)</td>
<td>45 Hz - 200 Hz (+3 dB)</td>
<td>100 dB SPL</td>
<td>4 ohms</td>
<td>500 W / 1000 W / 2000 W</td>
<td>2 hrs</td>
<td>1 x JBL 2044G 457 mm (18 in)</td>
<td>DuraFlex</td>
<td>Neutrik® NL4MP</td>
<td>560 x 535 x 700 mm</td>
<td>32.5 kg (72 lb)</td>
</tr>
<tr>
<td><strong>MRX528S</strong></td>
<td>Dual 18&quot; Bass-reflex Subwoofer</td>
<td>35 Hz - 250 Hz (-10 dB)</td>
<td>40 Hz - 250 Hz (+3 dB)</td>
<td>100 dB SPL</td>
<td>4 ohms</td>
<td>1000 W / 2000 W / 4000 W</td>
<td>2 hrs</td>
<td>2 x JBL 2044H 457 mm (18 in)</td>
<td>DuraFlex</td>
<td>Neutrik® NL4MP</td>
<td>1095 x 535 x 700 mm</td>
<td>55 kg (121 lb)</td>
</tr>
</tbody>
</table>

1. IEC standard, full bandwidth pink noise with 6 dB crest factor for specified period.
2. Calculated based on power rating and sensitivity.
3. Calculated on half space condition.
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.
SRX700® Series

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” (voice coil diameter) compression driver. The system handles 800 watts (continuous) power yet is only 12” high (305 mm) in the monitor position. A 50º x 90º horn provides smooth, even coverage regardless of the position of the performer.

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

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 75º by 50º 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, 2452H 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 woofers handles an amazing 1200 watts of continuous power. The 2452H 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).

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 pole speaker. 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.

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 60º x 40º 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 SRX738’s midrange performance. The SRX738 uses a 2265H Differential Drive woofer with midrange clarity and projection, and a 2452H 4” compression driver, respected worldwide as one of the finest high-powered transducers made, provides smooth, clear mids and highs. Despite this performance, the SRX738 weighs only 100 lb (45 kg).

SRX738 – 18” three-way

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.
### Key Features
- **Patented Differential Drive® Woofers with Neodymium Magnets**
- **High-Power, Light Weight Low Frequency Drivers**
- ** Constructed of Top Quality Birch Plywood and Coated with Duraflex™**
- **Wrap-Around 16-Gauge Steel Grill Lined with Acoustically Transparent Foam**

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### SRX700 Series

<table>
<thead>
<tr>
<th>Model</th>
<th>System Type</th>
<th>Frequency Range (-10 dB)</th>
<th>Frequency Response (±3 dB)</th>
<th>Coverage Pattern</th>
<th>Sensitivity: 1 W, 1 m</th>
<th>Nominal Impedance</th>
<th>Components: Low Freq.</th>
<th>Mid Freq.</th>
<th>High Freq.</th>
<th>Rated Maximum SPL</th>
<th>Power Rating: 1</th>
<th>Input Connectors</th>
<th>Suspension/Mounting</th>
<th>Dimensions (H x W x D)</th>
<th>Net Weight (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SRX712M</td>
<td>12” Two-way Bass-reflex</td>
<td>70 Hz – 20 kHz</td>
<td>41 Hz – 20 kHz</td>
<td>72 Hz – 20 kHz</td>
<td>JBL 2262H Differential Drive®</td>
<td>8 ohms</td>
<td>JBL 2262H Differential Drive®</td>
<td>JBL 2262H Differential Drive®</td>
<td>Passive Mode</td>
<td>Passive Mode</td>
<td>115 dB SPL @ 1 m (3.3 ft)</td>
<td>1200 W / 2400 W / 3200 W</td>
<td>Neutrik® Speakon® NL-4 (x 2)</td>
<td>Dual angle, 35 mm pole socket</td>
<td>508 x 346 x 260 mm (15.7 x 13.6 x 10.2 in)</td>
</tr>
<tr>
<td>SRX715F</td>
<td>15” Two-way Bass-reflex</td>
<td>83 Hz – 18 kHz</td>
<td>53 Hz – 20 kHz</td>
<td>81 Hz – 20 kHz</td>
<td>JBL 2431H</td>
<td>8 ohms</td>
<td>JBL 2262H Differential Drive®</td>
<td>JBL 2262H Differential Drive®</td>
<td>Passive Mode</td>
<td>Passive Mode</td>
<td>111 dB SPL @ 1 m (3.3 ft)</td>
<td>800 W / 1600 W / 3200 W</td>
<td>Neutrik® Speakon® NL-4 (x 2)</td>
<td>Dual angle, 35 mm pole socket</td>
<td>508 x 346 x 260 mm (15.7 x 13.6 x 10.2 in)</td>
</tr>
<tr>
<td>SRX722</td>
<td>Dual 12” Two-way Bass-reflex</td>
<td>90º x 50º nominal</td>
<td>75º x 50º nominal</td>
<td>75º x 50º nominal</td>
<td>JBL 2431H</td>
<td>8 ohms</td>
<td>JBL 2262H Differential Drive®</td>
<td>JBL 2262H Differential Drive®</td>
<td>Passive Mode</td>
<td>Passive Mode</td>
<td>113 dB SPL @ 1 m (3.3 ft)</td>
<td>1200 W / 2400 W / 3200 W</td>
<td>Neutrik® Speakon® NL-4 (x 2)</td>
<td>Dual angle, 35 mm pole socket</td>
<td>508 x 346 x 260 mm (15.7 x 13.6 x 10.2 in)</td>
</tr>
<tr>
<td>SRX725</td>
<td>Dual 15” Two-way Bass-reflex</td>
<td>20 kHz</td>
<td>20 kHz</td>
<td>20 kHz</td>
<td>JBL 2452H</td>
<td>4 ohms</td>
<td>JBL 2262H Differential Drive®</td>
<td>JBL 2262H Differential Drive®</td>
<td>Passive Mode</td>
<td>Passive Mode</td>
<td>107 dB SPL @ 1 m (3.3 ft)</td>
<td>1200 W / 2400 W / 3200 W</td>
<td>Neutrik® Speakon® NL-4 (x 2)</td>
<td>Dual angle, 35 mm pole socket</td>
<td>508 x 346 x 260 mm (15.7 x 13.6 x 10.2 in)</td>
</tr>
<tr>
<td>SRX738</td>
<td>18” Three-way Bass-reflex</td>
<td>4 Hz – 20 kHz</td>
<td>4 Hz – 20 kHz</td>
<td>4 Hz – 20 kHz</td>
<td>JBL 2268H Differential Drive®</td>
<td>8 ohms</td>
<td>JBL 2169H CMCD™</td>
<td>JBL 2268H Differential Drive®</td>
<td>Passive Mode</td>
<td>Passive Mode</td>
<td>113 dB SPL @ 1 m (3.3 ft)</td>
<td>1200 W / 2400 W / 3200 W</td>
<td>Neutrik® Speakon® NL-4 (x 2)</td>
<td>Dual angle, 35 mm pole socket</td>
<td>508 x 346 x 260 mm (15.7 x 13.6 x 10.2 in)</td>
</tr>
<tr>
<td>SRX738F</td>
<td>18” Three-way Bass-reflex</td>
<td>35 Hz – 20 kHz</td>
<td>35 Hz – 20 kHz</td>
<td>35 Hz – 20 kHz</td>
<td>JBL 2268H Differential Drive®</td>
<td>8 ohms</td>
<td>JBL 2169H CMCD™</td>
<td>JBL 2268H Differential Drive®</td>
<td>Passive Mode</td>
<td>Passive Mode</td>
<td>113 dB SPL @ 1 m (3.3 ft)</td>
<td>1200 W / 2400 W / 3200 W</td>
<td>Neutrik® Speakon® NL-4 (x 2)</td>
<td>Dual angle, 35 mm pole socket</td>
<td>508 x 346 x 260 mm (15.7 x 13.6 x 10.2 in)</td>
</tr>
</tbody>
</table>

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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.

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### Harman Pro Group | 2011

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**Section:** 06

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VERSATILE CONFIGURATIONS

**Fly your VRX900 Array:** The VRX Series is equipped with JBL’s exclusive integral rigging hardware that allows the enclosures to be quickly and securely locked to one another by simply swinging a hinged bar into place and securing it with the included quick release pins. VRX900 line arrays and subwoofers may be suspended using the VRX-AF and VRX-SMAF array frame providing an easy to use, elegant suspension system for flown arrays.

**Pole Mount:** To create a small, compact non-flying system, the VRX may be mounted on a tripod. For greater power and low-frequency extension, one or two VRXs may be pole-mounted over their companion subwoofer.

**Single Cabinet:** When configured for smaller venues, or musicians working alone, the compact size, portability, light weight and stunning performance of the VRX allow it to be used as a single cabinet two-way utility speaker system that can be conveniently mounted on a tripod.

**Ground Stack:** For reaching bleacher and stadium seating from ground level, the VRX’s ingenious cabinet design allows it to be ground stacked in configurations of up to 4 enclosures delivering all of the power, clarity and control of a full flown line array system without the additional labor and expense.

**CONSTANT CURVATURE LINE ARRAY**

The VRX waveguide mounts three compression drivers on a continuous arc enabling them to work together acoustically as if they were a single source, while dramatically increasing the power handling and acoustic output when compared to a single driver system. Additional enclosures can be added creating an uninterrupted, continuous arc with all of the drivers working together seamlessly as if they were one driver on a very long waveguide.

**AMPLITUDE SHADING**

For a smooth, consistent sound field, the VRX uses JBL’s Array Configuration Selector, a convenient series of switches on each enclosure that controls the output of each high-frequency section in the array so each section of the venue can be fine tuned for a balanced, seamless overall coverage pattern.

**ARRAY TOOL**

The VRX932LA and VRX928LA array tools provide visual help for the user to better understand and deploy a VRX900 Line Array. Acoustic performance can be quickly assessed by simply creating a two dimensional view of the environment the VRX900 system would be used in. The effect of adding systems to the array and adjustments of the Array Configuration Selector can be quickly analyzed. Information can be found online at: http://www.jblpro.com/vrx/ARRAYTOOL.HTML.

**DIFFERENTIAL DRIVE® WOOFERS**

JBL designed the VRX’s drivers with much less weight than comparable drivers and yet significantly increased power handling and output. Super lightweight neodymium magnets positioned inside the voice coil of each driver, a key feature of JBL’s patented Differential Drive woofer design, reduce the massive steel top plates, back plates and pole pieces found in the ‘magnetic circuits’ of conventional loudspeakers. The VRX’s dual voice coil design delivers greater power handling while maximizing the performance of each driver.

The new VRX Series addresses the growing need for a small format professional sound system for sound rental companies, fixed installations and musicians looking for the ultimate in performance and portability.

Sharing components with the JBL VerTec® Line Array Series, the worldwide touring industry standard, the VRX Series features the performance of high end line arrays in a compact format. It’s affordable and flexible and provides outstanding coverage and output coherence, while delivering extraordinary power handling, clarity and flexibility.

The VRX Series features the hallmark of all JBL products – stunning, legendary JBL sound.
key features

VRX900 Series

VRX915M
The VRX915M is a dedicated, compact and lightweight 15" two way touring-class floor monitor, with only a 375 mm (14.75 in) stage height and JBL’s latest neodymium-magnet transducers. Bi-amp or full-range passive operation may be selected via a recessed, high-current switch mounted alongside the NL4 input connector in one of the handle cups. An additional NL4 connector is mounted in the other handle cup for a convenient loop-thru connection.

VRX928LA
The VRX928LA is a lightweight (28 lb / 13 kg) compact 8" two-way linearray speaker system designed for use in arrays of up to six units. VRX928LA is the ideal choice when line-array performance is needed but the venue size doesn’t call for the very long-throw characteristics of the larger VRX932LA.

As many as six VRX928LA speaker systems may be suspended in a single array for a nominal vertical coverage of up to 90°. Suspended applications require the JBL VRX928LA-SMAF array frame (available separately). For applications in which the array must be aimed sharply down, a second Array Frame may be installed to the bottom of the array serving as a pull-back.

VRX932LA-1
The VRX932LA is designed for use in arrays of up to six units. Each VRX932LA contains three drivers, which results combined power handling and acoustic output far greater than a single driver could achieve.

As many as six VRX932LA speaker systems may be suspended in a single array for a nominal vertical coverage of up to 90°. Suspended applications require the JBL VRX932LA-AF array frame (available separately). For applications in which the array must be aimed sharply down, a second array frame may be installed to the bottom of the array serving as a pull-back.

One or two VRX932LAs may also be used on a tripod or over subwoofers. The integrated rigging hardware is used to securely lock the array together while the dual-angle pole socket provides aiming flexibility.

VRX932LAP
The VRX932LAP is a powered, lightweight, compact 12" two-way line-array speaker system designed for use in arrays of up to five units. VRX932LAP is the ideal choice when line-array performance is needed but the venue size doesn’t call for the very long-throw characteristics of larger line-arrays and a fast and easy setup is vital.

One or two VRX932LAP’s may also be used on a tripod or over subwoofers. The integrated rigging hardware is used to securely lock the array together while the dual-angle pole socket provides aiming flexibility.

VRX918S
For applications requiring the sonic and practical advantages of integrating the subwoofers into the flying array JBL offers the VRX918S, a compact, high power, suspendable subwoofer system using an 18" Differential Drive® woofer in a front-loaded, vented enclosure. The VRX918S was designed specifically for use in arrays with the VRX932LA Line Array speaker and VRX-AF Array Frame. It may also flown in arrays consisting entirely of VRX918S or ground stacked.

The VRX918S, with the exception of the VRX918S-WH, is equipped with a top-mounted, threaded, 20 mm socket that can receive the optional SS4-BK pole. Users who don’t require a suspendable subwoofer can opt for the acoustically identical SRX718S sub.

VRX918SP
The VRX918SP is a powered, suspendable subwoofer system containing a 2268FL neodymium magnet, patented Differential Drive®, 18" woofer in a front-loaded, vented enclosure.

The VRX918SP was designed specifically for use in arrays with the VRX932LAP Line Array speaker and VRX-AF Array Frame. In addition it may also be used in arrays consisting entirely of VRX918S subwoofers. The system offers complete input connection flexibility for compatibility with a variety of cabling schemes.
### Specifications

<table>
<thead>
<tr>
<th>SYSTEM TYPE</th>
<th>FREQUENCY RANGE (±10 dB)</th>
<th>FREQUENCY RESPONSE (±3 dB)</th>
<th>SENSITIVITY: 1 W, 1 m</th>
<th>NOMINAL IMPEDANCE: PASSIVE</th>
<th>MAXIMUM SPL @ 1 m</th>
<th>POWER RATING: PASSIVE</th>
<th>CONTINUOUS/PROGRAM/Peak</th>
<th>NOMINAL DISPERSION</th>
<th>TRANSDUCERS: LF</th>
<th>HF</th>
<th>ENCLOSURE</th>
<th>FINISH</th>
<th>INPUT CONNECTORS</th>
<th>DIMENSIONS (H x W x D)</th>
<th>NET WEIGHT (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>VRX915M</td>
<td>60 Hz - 20 kHz</td>
<td>70 Hz - 20 kHz</td>
<td>96 dB SPL</td>
<td>8 ohms</td>
<td>127 dB SPL continuous</td>
<td>133 dB SPL peak</td>
<td>50 x 90 x 319 mm</td>
<td>21 kg (46 lb)</td>
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<tr>
<td>VRX918S</td>
<td>35 Hz - 250 Hz</td>
<td>40 Hz - 250 Hz</td>
<td>95 dB SPL</td>
<td>8 ohms</td>
<td>116 dB SPL</td>
<td>126 dB SPL peak</td>
<td>50 x 90 x 762 mm</td>
<td>26 kg (57 lb)</td>
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</tr>
<tr>
<td>VRX918SP</td>
<td>35 Hz - 250 Hz</td>
<td>40 Hz - 250 Hz</td>
<td>95 dB SPL</td>
<td>2 x 2 ohms</td>
<td>126 dB SPL peak</td>
<td>126 dB SPL peak</td>
<td>50 x 90 x 762 mm</td>
<td>38.5 kg (85 lb)</td>
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<td></td>
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</tbody>
</table>

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
4 40 - 120 Hz pink noise, 6 dB crest factor, 2 hrs.

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**The VRX928LA is designed to fit perfectly on top the compact VRX915S 15” subwoofer. This system is designed to work in even smaller spaces and to be ultra portable.**
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 VERTEC® line arrays – a flexible, high performance product line including subcompact, compact, midsize and fullsize line array elements and companion subwoofers, along with powered options equipped with JBL DrivePack® technology. It’s the ideal solution to a broad range of sound reinforcement challenges for both portable rental inventories, and fixed performance-venues.

JBL VERTEC® Line Array Systems (VT4889, VT4880A) for World’s Largest Music Festival (Rock In Rio, Lisbon and Madrid)

Rental System Contractor: Gabisom
JBL’s early research into column-type line arrays nearly 40 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.

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 suspension 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 VT4889-1, VT4888, VT4887A, VT4882, VT4881A and VT4880/80A 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 fullsize 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 for which VERTEC is legendary, while ensuring pristine, low-distortion audio reproduction for 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 in the full-range system.

Radiation Boundary Integrators™ in the midrange section of each system serve a dual purpose. The patented RBI 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.

S.A.F.E.™ SUSPENSION HARDWARE
All models in the VERTEC line are fitted with integral end-mounted suspension 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 fullsize 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
Available to system users, this predictive software application provides a wealth of technical information about VERTEC line array system designs and their performance expectations in various audience seating areas.

VT4889/VT4889-1
The VT4889 and VT4889-1 are fullsize, lightweight enclosures 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 fullsize line array class. The VT4889-1 is a PlyMax enclosure.

VT4888
The VT4888 is a midsize, lightweight line array element housing two 12” woofers, four 5½” 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.

VT4887A
The VT4887A is a compact, lightweight line array element housing two 8” woofers, four 4½” midrange radiators, and two high frequency compression drivers. Offering extended low-frequency high output for its size, it can be used in stand-alone arrays or in combination with other VERTEC system products.

VT4886
The VT4886 Subcompact Passive Three-Way Line Array Element is fitted with two 6½” woofers, four 2½” midrange radiators, and two high frequency drivers with a highly refined internal passive network. It is designed for use in stand-alone applications, singly or in multi-box arrays, and is ideal for use in combination with the VT4883 Subcompact subwoofer.

VT4880/VT4880A
The VT4880 and VT4880A are fullsize, lightweight, centrally-vented arrayable subwoofers 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.

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

VT4881A
The VT4881A is a compact, lightweight, vented subwoofer enclosure housing a dual voice coil 18” woofer. This advanced component has a compliance capable of nearly 3” (76 mm) peak-to-peak cone excursion for true very low frequency performance.

VT4883
The VT4883 Subcompact Dual 12” Cardioid-Arrayable Subwoofer Line Array Element is a companion low frequency extension for the VT4886 subcompact 3-way enclosure. It is fitted with a pair of long-excitation 12” woofers to deliver high quality sound reinforcement of sub-low frequencies for a variety of applications where small enclosure size is key.
### VT4889 SYSTEM COMPONENTS

**225SH 15" DIFFERENTIAL DRIVE® LOUDSPEAKER**

- **2 x 8 ohms**, **98 dB (2.83v/1m)**
- 2 x 2258H Dual-Coil (18 in)
- **Wedge Frustrum**, **DuraFlex**
- NL8 and NL4, 2 each
- **493 x 1229 x 860 mm**
- **19.42 x 48.38 x 33.85 in**
- **68.5 kg (151 lb)**

**2250H 8" MIDRANGE CONE TRANSUDER**

- **8 ohms**, **80 dB (2.83v/1m)**
- 2 x 2250H (8 in)
- **Wedge Frustrum**, **DuraFlex**
- NL8 and NL4, 2 each
- **457 x 1013 x 858 mm**
- **18 x 39.9 x 33.8 in**
- **53.5 kg (118 lb)**

**243SH HIGH PERFORMANCE COMPRESSION DRIVER**

- **8 ohms**, **98 dB (2.83v/1m)**
- 2 x 2435H (12 in)
- **Wedge Frustrum**, **DuraFlex**
- NL8 and NL4, 2 each
- **489 x 1213 x 546 mm**
- **19.25 x 47.75 x 21 in**
- **72.6 kg (160 lb)**

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### Full Range Subwoofers

#### VT4880

- **System Type: Fullsize 18” Subwoofer**
- **Frequency Response:** 45 Hz - 16 kHz (± 3 dB)
- **Sensitivity:** 96 dB (2.83v/1m)
- **Nominal Impedance:** 2 x 8 ohms
- **Transducers:** 2 x 2255H (15 in)
- **Enclosure:** Wedge Frustrum, PlyMax®
- **Dimensions:** **489 x 1213 x 546 mm**
- **Net Weight:** 72.6 kg (160 lb)

#### VT4880A

- **System Type: Fullsize 18” Ultra Long Excursion Subwoofer**
- **Frequency Response:** 29 Hz - 120 Hz (-3 dB)
- **Sensitivity:** 95 dB (2.83v/1m)
- **Nominal Impedance:** 2 x 8 ohms
- **Transducers:** 2 x 2259H (18 in)
- **Enclosure:** Wedge Frustrum, DuraFlex
- **Dimensions:** **493 x 1229 x 660 mm**
- **Net Weight:** 68.5 kg (151 lb)

#### VT4882

- **System Type: Midsize Dual 15” Subwoofer**
- **Frequency Response:** 60 Hz - 16 kHz (± 3 dB)
- **Sensitivity:** 90 dB (2.83v/1m)
- **Nominal Impedance:** 2 x 8 ohms
- **Transducers:** 2 x 2250H (8 in)
- **Enclosure:** Wedge Frustrum, DuraFlex
- **Dimensions:** **457 x 1013 x 858 mm**
- **Net Weight:** 53.5 kg (118 lb)

#### VT4881A

- **System Type: Compact 15” Subwoofer**
- **Frequency Response:** 34 Hz - 125 Hz (± 3 dB)
- **Sensitivity:** 91 dB (2.83v/1m)
- **Nominal Impedance:** 2 x 8 ohms
- **Transducers:** 2 x 2263H-1 (12 in)
- **Dimensions:** **569 x 787 x 654 mm**
- **Net Weight:** 50.4 kg (111 lb)

#### VT4883

- **System Type: Subcompact Dual 12” Cardioid-Arrayable Subwoofer**
- **Frequency Response:** 40 Hz - 600 Hz (± 3 dB)
- **Sensitivity:** 95 dB
- **Nominal Impedance:** 2 x 8 ohms
- **Input Power Rating:** LF: 1600 W, MF: 1200 W, HF: 225 W
- **Transducers:** 2 x 2263H-1 (12 in)
- **Dimensions:** **397 x 577 x 641 mm**
- **Net Weight:** 30.8 kg (68 lb)

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1. AES 2 hour Standard, free air. AES 2 hour rating plus long term 100 hour rating specified for cone transducers.
**VerTec Series**

**Key Features**

- Industry’s smallest, lightest, most powerful high frequency compression drivers
- Advanced technology components
- Precision waveguides couple to create HF vertical slot aperture
- Radiation boundary integrator (RBI™) technology integrates output of individual bandpass elements
- Exceptionally rigid, lightweight enclosure construction
- Rugged DuraFlex™ exterior finish and weatherized components
- Integrated S.A.F.E.™ suspension system

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.

**VT4889-AF** Array Frame for supporting VT4889 and/or VT4880 enclosures or for ground stacking either fullsize model. Compatible with VT4889-1, VT4880.

**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.

**VT4880-ACC** Accessory Kit for subwoofer, with wheelboard/dolly plate, cover bag, and required suspension hinge bars.

**Separately-ordered accessories for:** VT4889-1, VT4880A, VT4888, VT4887A, VT4882 and VT4881A.

**VT4889-1-ACC** Dolly/wheelboard front plate and padded protective cover bag for one VT4889-1.

**VT4880A-ACC** Accessory kit for subwoofer, with wheelboard/dolly plate, and cover bag for one VT4880A(padded, protective).

**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.

**VT4888-AF** Array Frame for supporting VT4888 or VT4882 enclosures, or for ground stacking either midsize model.

**VT4888-SF** Short Frame for use on bottom of larger VT4888 or VT4882 arrays, suspending special purpose arrays, or for ground stacking compact models.

**VT4887-AF** Array Frame for supporting VT4887A enclosures or VT4881A subwoofers, or for ground stacking compact models.

**VT4887-SF** Short Frame for use on bottom of larger VT4887A or VT4881A arrays, suspending special purpose arrays, or for ground stacking compact models.

**VT4800-CA** Compact Adaptor, use to suspend VT4887As or VT4881As from VT4888s.

**VT4800-DA** Downfill Adaptor, use to suspend up to 4 VT4887As from VT4880s, VT4889-1s or VT4880As.

**VT4800-UA** Universal Adaptor Frame. Use to suspend midsize or compact models from either the VT4889 fullsize arrays or VT4880 subwoofer arrays. Also compatible with VT4889-1 and VT4880A.

**These accessories are available for the VT4886 and VT4883.**

**VT4886-AF** Array frame for suspension of VT4883, VT4886, or mixed VT4883/VT4886 arrays. Can also be used for ground stacking.

**VT4886-SF** Short Array frame for suspension of smaller VT4886 arrays. Can also be used at the bottom of suspended arrays for rear pull-back suspension.

**VT4886-AB** Adapter bar for attachment of multiple VT4886-AF array frames.

**VT4886-DF88** Downfill Adapter for suspending VT4886 under VT4888.

**VT4886-DF89** Downfill Adapter for suspending VT4886 under VT4889.

**VT4886-UB** Universal Bracket for holding 3-4 VT4886’s, with pole mount adapter. Also for under-balcony use or as a stacking platform for distributed front-fill applications.

**VT4886-UB1** Basic Universal Bracket for holding two VT4886’s.

**VT4886-HB** Horizontal bracket for arranging VT4886 enclosures as a constant curvature horizontal line array.

**SS5-BK** Adjustable extension rod with M20 thread for attachment to VT4883 Subwoofer (mounting pole with hand-crank height adjustment for secure, vibration-free attachment of optional VT4886-UB accessory supporting stacked VT4886’s).
The JBL VERTEC DP Series is a suite of powered audio systems coupling industry-leading loudspeaker technology to the innovative JBL DrivePack® technology platform. It’s a breakthrough in power and control for integrated systems. JBL’s VERTEC DP Series delivers superb audio quality and robust power, perfectly matched to the enclosures, with comprehensive internal digital signal processing. Based on JBL’s industry-leading VERTEC line array elements, these systems are lightweight, powerful, and cost-effective.

Designed in cooperation with development partners Crown, dbx and BSS, JBL DrivePacks with unique input module options are designed to exceed all expectations for loudspeaker performance, power handling and audio system control.

**VT4889ADP-DA**

The VT4889ADP-DA is a powered, fullsize Integrated Audio System housing two 15" woofers, four 8" midrange radiators, and three high frequency compression drivers that combine to provide a high power-to-weight ratio. It is equipped with a JBL DrivePack DP3 fully integrated power and DSP electronics package with BSS OmniDrive HD™ signal processing.

The VT4889ADP-DA is designed to deliver high-quality reinforcement of music and speech in large-scale, maximum-performance applications including concert audio, corporate A/V and theatrical presentations of all types for both portable users and performance venue installations.

**VT4888DP-DA**

The VT4888DP-DA is a powered, midsize Integrated Audio System housing two 12" woofers, four 5.5" midrange radiators and two high frequency compression drivers. It is equipped with a JBL DrivePack DP2 fully integrated power and DSP electronics package with BSS OmniDrive HD™ signal processing.

The VT4888DP-DA is designed to deliver high-quality reinforcement of music and speech in a variety of applications where smaller-sized arrays are appropriate, including concert audio, corporate A/V and theatrical presentations of all types for both portable users and performance venue installations.

**VT4887ADP-DA**

The VT4887ADP-DA is a powered, compact Integrated Audio System housing two 8" woofers, four 4" midrange radiators and two high frequency compression drivers. It is equipped with a JBL DrivePack DP2 fully integrated power and DSP electronics package with BSS OmniDrive HD™ signal processing.

The VT4887ADP-DA is designed to deliver high-quality reinforcement of music and speech in a variety of general-purpose applications including concert audio and corporate A/V presentations of all types suitable for both portable users and fixed venue installations. Ideal companion to VT4887ADP-DA.

**VT4880ADP-DA**

The VT4880ADP-DA is a powered, fullsize, centrally-vented arrayable sub-woofer housing two 2269G Ultra-Long Excursion 18" woofers and a JBL DrivePack DP-3 power and DSP electronics package with BSS OmniDrive HD™ signal processing. The new uIItra long excursion 18" VLF (Very Low Frequency) components, fitted with dual voice coils and robust composite cones, provide high output capabilities and a high power-to-weight ratio.

The VT4880ADP-DA is designed to deliver high quality sound reinforcement of VLF (Very Low Frequency) musical information for a broad range of applications. Ideal companion to VT4889ADP-DA.

**VT4882DP-DA**

The VT4882DP-DA is a powered, midsize, centrally-vented arrayable sub-woofer housing two long extension 15" woofers and a JBL DrivePack DP3 fully integrated power and DSP electronics package with BSS OmniDrive HD™ signal processing.

The VT4882DP-DA is designed to deliver high quality sound reinforcement of sub-low frequencies for live music and a variety of other applications. Typical uses include concert audio and multi-media presentations of all types. The VT4882DP-DA is an ideal companion to VT4888 or VT4888DP-DA midsize full-range systems.

**VT4881ADP-DA**

The VT4881ADP-DA is a powered, compact, vented arrayable sub-woofer housing one Ultra-Long Excursion 18" woofer and a JBL DrivePack DP1 fully integrated power and DSP electronics package with BSS OmniDrive HD™ signal processing.

The VT4881ADP-DA is designed to deliver high quality sound reinforcement of VLF musical information for a variety of applications including concert audio, corporate A/V and theatrical presentations of all types. Suitable for both portable users and fixed venue installations. Ideal companion to VT4887ADP-DA or VT4887A compact three-way systems.
# VerTeC DP SERIES

## Key Features

- **Integrated Digital Signal Processing**
- **JBL DrivePack® Electronics Package**
- **Automatic Selection of 50 or 60 Hz Worldwide AC Line Voltages**
- **Standard Network Input Modules**

## Specification Table

<table>
<thead>
<tr>
<th>System Type</th>
<th>Frequency Response</th>
<th>Horizontal Coverage (°)</th>
<th>Maximum Peak Output</th>
<th>Nominal Impedance</th>
<th>Transducers</th>
<th>Enclosure</th>
<th>Input Connectors</th>
<th>Dimensions (H x W x D)</th>
<th>Net Weight (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VT4889ADP-DA</strong></td>
<td>Powered Fullsize 3-way Line Array, Integrated Audio System</td>
<td>45 Hz – 16 kHz (± 3 dB)</td>
<td>143 dB, 1m</td>
<td>LF: 4 ohms</td>
<td>DuraFlex™</td>
<td>Female XLR/Male XLR</td>
<td>121.5 x 494 x 693 mm</td>
<td>3.4 kg (10 lb)</td>
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<tr>
<td><strong>VT4889ADP-DA</strong></td>
<td>Powered Midsize 3-way Line Array, Integrated Audio System</td>
<td>60 Hz – 16 kHz (± 3 dB)</td>
<td>139 dB, 1m</td>
<td>LF: 8 ohms</td>
<td>DuraFlex™</td>
<td>Female XLR/Male XLR</td>
<td>355 x 1013 x 678 mm</td>
<td>13.8 kg (30 lb)</td>
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<tr>
<td><strong>VT4889ADP-DA</strong></td>
<td>Powered Compact 3-way Line Array, Integrated Audio System</td>
<td>67 Hz – 20 kHz (± 3 dB)</td>
<td>121 dB, 1m</td>
<td>LF: 8 ohms</td>
<td>DuraFlex™</td>
<td>Female XLR/Male XLR</td>
<td>279 x 787 x 653 mm</td>
<td>39.7 kg (87.5 lb)</td>
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</table>

## Accessories

- Necessary accessories; order separately for VT4889ADP-DA, VT4888DP-DA, VT4887ADP-DA

- **VT4889ADP-ACC** - Dolly/wheelboard front plate and padded protective cover bag for one VT4889ADP-DA

- **VT4888DP-ACC** - Dolly/wheelboard front plate and padded protective cover bag for one VT4888DP-DA

- **VT4887ADP-ACC** - Dolly/wheelboard front plate and padded protective cover bag for one VT4887ADP-DA

- **VT4881ADP-ACC** - Dolly/wheelboard front plate and padded protective cover bag for one VT4881ADP-DA

## Subwoofers

<table>
<thead>
<tr>
<th>System Type</th>
<th>Frequency Response</th>
<th>Maximum Peak Output</th>
<th>Nominal Impedance</th>
<th>Transducers</th>
<th>Enclosure</th>
<th>Input Connectors</th>
<th>Dimensions (H x W x D)</th>
<th>Net Weight (each)</th>
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<tbody>
<tr>
<td><strong>VT4880ADP-DA</strong></td>
<td>Powered Fullsize 2-15” Subwoofer, Integrated Audio System</td>
<td>29 Hz – 120 Hz (± 3 dB)</td>
<td>143 dB SPL, 1m</td>
<td>LF: 4 ohms (Each transducer)</td>
<td>DuraFlex™</td>
<td>Female XLR/Male XLR</td>
<td>1229 x 493 x 1011 mm</td>
<td>99.4 kg (219 lb)</td>
</tr>
<tr>
<td><strong>VT4882ADP-DA</strong></td>
<td>Powered Midsize 2-15” Subwoofer, Integrated Audio System</td>
<td>32 Hz – 110 Hz (± 3 dB)</td>
<td>133 dB SPL, 1m</td>
<td>LF: 8 ohms (Each transducer)</td>
<td>DuraFlex™</td>
<td>Female XLR/Male XLR</td>
<td>457 x 1013 x 1011 mm</td>
<td>69.9 kg (154 lb)</td>
</tr>
<tr>
<td><strong>VT4881ADP-DA</strong></td>
<td>Powered Compact 1-18” Subwoofer, Integrated Audio System</td>
<td>34 Hz – 125 Hz (± 3 dB)</td>
<td>131 dB SPL, 1m</td>
<td>LF: 8 ohms</td>
<td>DuraFlex™</td>
<td>Female XLR/Male XLR</td>
<td>569 x 787 x 800 mm</td>
<td>62.2 kg (137 lb)</td>
</tr>
</tbody>
</table>
Installation Products

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 Precision Directivity Series, there’s a JBL Installed Sound product with a solid business solution based on equally solid business savvy.

For more than 60 years, JBL has been the professional speaker of choice wherever sound matters. We’d like to believe it should be your choice, too.
Venue Performance Series—a family of self-powered loudspeaker systems consisting of ten models, suitable for portable or fixed installation sound reinforcement applications where high-output, low-distortion, and the highest quality sound are required.

JBL DrivePack®
A key feature of the VP Series are the highly adaptable JBL DrivePack amplifier and signal processing modules. The two channel DP-2 module provides 1100 watts of total continuous power to each fullsize, full-range system while the DP-1 sub-woofer module provides 1800 watts continuous power to the loudspeaker.

The JBL DP-1 and DP-2 Drive Packs operate on auto-selecting line voltages at 50 or 60 Hz for worldwide operation. The compact three channel DPC-2 module used on the smaller VP Series models uses two of the three amplifier channels to enable JBL’s Dual Bridge Technology™ (DBT) allowing the most efficient power transfer to the JBL Differential Drive® woofers. DP-1 and DP-2 DrivePack models incorporate Crown’s BCA™ (Balanced Current Amplification) Class-I circuitry with temperature-compensated modulation and state of the art feedback circuitry. An extraordinarily efficient passive cooling system eliminates expensive and noisy fans, effecting heat dissipation for optimal cooling.

INPUT MODULES & CONNECTIVITY
JBL Drive Packs DP-1 and DP-2 are equipped with a modular input bay. Standard DPIP input modules from dbx feature analog audio inputs and sophisticated DSP technology incorporating digital pre-equalization filters, frequency-dividing networks, and limiter circuitry from one of the industry’s most trusted names in signal processing. Classic dbx Limiting functionality, dbx Type IV® analog-to-digital converters, and full bandpass and crossover configurations are all packed into the standard input module on every JBL DrivePack unit. With JBL DrivePack, dbx’s heritage of unrivaled system/loudspeaker control continues.

The optional DPDA input module allows most JBL VP Series systems to link seamlessly into Harman Professional’s HiQnet system. The modular input design allows for future developments in audio distribution and networking topologies.

The onboard 100 Mb Ethernet networking switch with daisy-chain capability allows for Remote Control and Monitoring via HiQnet System Architect™ software. Additionally, a rotary mechanical encoder switch provides easy array identification and box positioning, up to 99 different speaker positions and up to 99 different speaker arrays or locations.

Twenty type-selectable input filters (10 System and 10 Guest filters) are available for system equalization along with user-adjustable input delay of up to 2 seconds and many more user features.

VP Series also includes:
- JBL Differential Drive cone transducers
- JBL 2452H-SL 1.5” exit, 4” diaphragm compression driver
- Newly-created stylized, ergonomically designed powder-coated steel handle
- Multiple attachment points for ultimate rigging flexibility with overhead suspension

The VP Series also includes:
- JBL Differential Drive cone transducers
- JBL 2452H-SL 1.5” exit, 4” diaphragm compression driver
- Newly-created stylized, ergonomically designed powder-coated steel handle
- Multiple attachment points for ultimate rigging flexibility with overhead suspension
VP7210/95DP
The VP7210/95DP is a 10” two-way system with the 2452H-SL compression driver. This model features a 90° x 50° rotatable horn. The system is driven by an 875W continuous power three channel DPC-2 JBL DrivePack®.

VP7212MDP
The VP7212MDP is a dedicated 12” two-way floor monitor and features 2452H-SL 4” voice coil compression driver. The system is equipped with the JBL DrivePack model DPC-2 with 875W continuous power available.

VP7212/95DPC
The VP7212/95DPC is a 12” two-way compact system with a 2452H-SL compression driver. This model features a 90° x 50° PT waveguide. The system is equipped with the JBL DrivePack model DPC-2 with 875W of continuous power.

VP7215/95DPC
The VP7215/95DPC is a 15” two-way compact system with a 2452H-SL compression driver. This model features a 90° x 50° PT waveguide. The system is equipped with the JBL DrivePack model DPC-2 with 875W of continuous power.

VP7215/64DP (60° x 40°)
VP7215/95DPC (90° x 50°)
The VP7215/64DP and VP7215/95DPC are two-way speaker systems housing one 15” Differential Drive low frequency transducer and the new 2452H-SL compression driver. The VP7215 is available with either a 60° x 40” or 90° x 50” JBL Progressive Transition™ Waveguide.

VP7315/64DP
The VP7315/64DP is a three-way system housing one 15” Differential Drive low frequency transducer, the CMCD-82H 8” midrange transducer and the new 2452H-SL compression driver mounted on a JBL PT-K64-MHF Progressive Transition Waveguide.

VP7315/95DPC
Self-Powered Three-way Speaker System
45 Hz – 18 kHz (±3 dB)
DPCN (CobraNet compliant)
DPC-2 JBL DrivePack®
Black Duraflex™
14-gauge perforated steel
14-gauge perforated steel
533 x 358 x 334 mm
21.0 x 14.1 x 13.1 in
21.3 kg (47 lbs)

VP7210/95DPC
Self-Powered Two-way Speaker System
80 Hz – 18 kHz (±3 dB)
90° x 50°
1750W Peak (875W Cont)
JBL Progressive Transition™ Waveguide
Black Duraflex™
14-gauge perforated steel
M/FM XLR
346 x 565 x 413 mm
13.6 x 22.2 x 16.2 in
20.7 kg (45.5 lb)

VP7212MDP
Self-Powered Two-way Speaker System
80 Hz – 18 kHz (±3 dB)
90° x 50°
1750W Peak (875W Cont)
JBL Progressive Transition™ Waveguide
Black Duraflex™
14-gauge perforated steel
M/FM XLR
20.8 kg (45.9 lb)

VP7212/95DPC
Self-Powered Two-way Speaker System
80 Hz – 18 kHz (±3 dB)
90° x 50°
1750W Peak (875W Cont)
JBL Progressive Transition™ Waveguide
Black Duraflex™
14-gauge perforated steel
M/FM XLR
21.3 kg (47 lbs)

VP7215/64DP
Self-Powered Two-way Speaker System
60 Hz – 18 kHz (±3 dB)
90° x 50°
1750W Peak (875W Cont)
JBL Progressive Transition™ Waveguide
Black Duraflex™
14-gauge perforated steel
M/FM XLR
20.7 kg (45.5 lb)

VP7215/95DPC
Self-Powered Two-way Speaker System
60 Hz – 18 kHz (±3 dB)
90° x 50°
1750W Peak (875W Cont)
JBL Progressive Transition™ Waveguide
Black Duraflex™
14-gauge perforated steel
M/FM XLR
21.3 kg (47 lbs)

VP7212/64DP & VP7212/95DPC
Self-Powered Two-way Speaker System
45 Hz – 18 kHz (±3 dB)
2200W Peak (1100W Cont)
JBL Progressive Transition™ Waveguide
Black Duraflex™
14-gauge perforated steel
Female XLR/Male XLR
2 x R48 connectors
+ M/FM XLR
781.8 x 383.8 x 523.5 mm
27.63 x 15.11 x 20.61 in
35.4 kg (78 lb)

VP7215/64DP & VP7215/95DPC
Self-Powered Three-way Speaker System
45 Hz – 18 kHz (±3 dB)
2200W Peak (1100W Cont)
JBL Progressive Transition™ Waveguide
Black Duraflex™
14-gauge perforated steel
Female XLR/Male XLR
2 x R48 connectors
+ M/FM XLR
914.4 x 528.3 x 624.8 mm
36 x 20.8 x 24.6 in
44 kg (97 lb)
### VLA Series

**Variable Line Array Loudspeakers**

- **Horn-loaded Line Array**
- **Standard & High-output Versions Available**

#### Variable Line Array Series (VLA Series)

VLA Series is a revolutionary product providing high-impact sound reinforcement at throw distances beyond the reach of traditional loudspeaker designs. The modular design concept provides the system designer the ability to build large line array systems for larger venue applications or to design smaller line array systems for use as distributed clusters in arenas, domed stadiums and larger performance spaces, including large houses of worship.

VLA is designed specifically for permanent installation applications where even coverage, intelligibility, and levels capable of overcoming crowd noise are required.

VLA modules are based on the same advanced engineering used in the highly successful VERTEC® Series line array systems. VLA provides six large format horn-loaded modules with three horizontal horn coverage patterns (30°, 60°, & 90°). This modular concept provides the designer the additional flexibility to vary the horizontal pattern within a vertical array by incorporating different modules with wider or narrower coverage patterns while still maintaining the vertical directivity.

### Key Features

- **Horn-loaded line array**
- **Standard & high-output versions available**

#### VLA301

- **System Type**: Three-way Full Range Loudspeaker
- **Frequency Response**: 58 Hz - 12 kHz (± 3 dB)
- **Horizontal Coverage**: 30°
- **Sensitivity**: 100/110/117 dB SPL
- **Nominal Impedance**: 4 ohms/4 ohms/16 ohms
- **System Power Rating**: 1600 W (6400 W peak), 2 hrs.
- **Maximum SPL**: 139 dB SPL continuous average
- **Transducers**: 3 x 2431H (38 mm/1½ in)
- **Enclosure**: 12-ply birch plywood
- **Finish**: DuraFlex™
- **Input Connectors**: Neutrik® Speakon® NL8 Plus covered barrier strip
- **Dimensions**: 21.0 x 53.2 x 30.4 in
- **Net Weight (each)**: 96 kg (211 lb)

#### VLA301H

- **System Type**: High Output Three-Way Full Range Loudspeaker
- **Frequency Response**: 58 Hz - 12 kHz (± 3 dB)
- **Horizontal Coverage**: 30°
- **Sensitivity**: 100/110/117 dB SPL
- **Nominal Impedance**: 4 ohms/8 ohms/16 ohms
- **System Power Rating**: 1600 W (6400 W peak), 2 hrs.
- **Maximum SPL**: 141 dB SPL continuous average
- **Transducers**: 6 x 2431H (38 mm/1½ in)
- **Enclosure**: 12-ply birch plywood
- **Finish**: DuraFlex™
- **Input Connectors**: Neutrik® Speakon® NL8 Plus covered barrier strip
- **Dimensions**: 21.0 x 53.2 x 25.2 in
- **Net Weight (each)**: 109 kg (241 lb)

#### VLA601

- **System Type**: Three-way Full Range Loudspeaker
- **Frequency Response**: 58 Hz - 12 kHz (± 3 dB)
- **Horizontal Coverage**: 60°
- **Sensitivity**: 100/109/117 dB SPL
- **Nominal Impedance**: 4 ohms/8 ohms/4 ohms
- **System Power Rating**: 1600 W (6400 W peak), 2 hrs.
- **Maximum SPL**: 144 dB SPL continuous average
- **Transducers**: 3 x 2431H (38 mm/1½ in)
- **Enclosure**: 12-ply birch plywood
- **Finish**: DuraFlex™
- **Input Connectors**: Neutrik® Speakon® NL8 Plus covered barrier strip
- **Dimensions**: 21.0 x 53.2 x 25.2 in
- **Net Weight (each)**: 109 kg (241 lb)

#### VLA601H

- **System Type**: High Output Three-Way Full Range Loudspeaker
- **Frequency Response**: 58 Hz - 12 kHz (± 3 dB)
- **Horizontal Coverage**: 90°
- **Sensitivity**: 99/106/115 dB SPL
- **Nominal Impedance**: 4 ohms/8 ohms/4 ohms
- **System Power Rating**: 1600 W (6400 W peak), 2 hrs.
- **Maximum SPL**: 146 dB SPL continuous average
- **Transducers**: 3 x 2431H (38 mm/1½ in)
- **Enclosure**: 12-ply birch plywood
- **Finish**: DuraFlex™
- **Input Connectors**: Neutrik® Speakon® NL8 Plus covered barrier strip
- **Dimensions**: 21.0 x 53.2 x 25.2 in
- **Net Weight (each)**: 109 kg (241 lb)
Precision Directivity® PD700

key features

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.

specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>PD743</th>
<th>PD764</th>
</tr>
</thead>
<tbody>
<tr>
<td>System Type</td>
<td>Mid High Loudspeaker System</td>
<td>Mid High Loudspeaker System</td>
</tr>
<tr>
<td>Frequency Range</td>
<td>150 Hz - 17 kHz (-10 dB)</td>
<td>150 Hz - 17 kHz (-10 dB)</td>
</tr>
<tr>
<td>Frequency Response</td>
<td>200 Hz - 15 kHz (± 3 dB)</td>
<td>200 Hz - 15 kHz (± 3 dB)</td>
</tr>
<tr>
<td>Nominal Coverage</td>
<td>40° x 30° (H x V)</td>
<td>60° x 40° (H x V)</td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>MF: 8 ohms, HF: 16 ohms</td>
<td>MF: 8 ohms, HF: 16 ohms</td>
</tr>
<tr>
<td>Transducers</td>
<td>2 x 2250J (203 mm/8 in)</td>
<td>2 x 2250J (203 mm/8 in)</td>
</tr>
<tr>
<td>Enclosure</td>
<td>Dual Trapezoidal</td>
<td>Dual Trapezoidal</td>
</tr>
<tr>
<td>Finish</td>
<td>Black DuraFlex™</td>
<td>Black DuraFlex™</td>
</tr>
<tr>
<td>Input Connectors</td>
<td>1 x NL4 Neutrik® Speakon®</td>
<td>1 x NL4 Neutrik® Speakon®</td>
</tr>
<tr>
<td>Dimensions (H x W x D)</td>
<td>991 x 991 x 1146 mm</td>
<td>991 x 991 x 883 mm</td>
</tr>
<tr>
<td>Net Weight (each)</td>
<td>111.4 kg (245 lb)</td>
<td>97.7 kg (215 lb)</td>
</tr>
</tbody>
</table>

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.
Precision Directivity® PD5000 Series

The 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, are 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 voice coil 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.

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, voice coil 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 full range 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 full range 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™.
The Harman Pro Group presents the PD5000 Series, featuring key features such as clear, intelligible high frequency projection, large PTT™ progressive transition waveguides for pattern control, low distortion and smooth response, and rotatable waveguides for horizontal or vertical cabinet orientation.

### PD5000 Series Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Power Rating (AES)</th>
<th>Power Rating (IEC)</th>
<th>Frequency Response</th>
<th>Nominal Coverage</th>
<th>Dimensions (H x W x D)</th>
<th>Frequency Range</th>
<th>Nominal Coverage</th>
</tr>
</thead>
<tbody>
<tr>
<td>PD5212/43</td>
<td>1200 W (4800 W pk)</td>
<td>80 Hz - 18 kHz</td>
<td>20 Hz - 16 kHz</td>
<td>75° x 75°</td>
<td>87 x 18.75 x 27.2 in</td>
<td>20 Hz - 16 kHz</td>
<td>75° x 75°</td>
</tr>
<tr>
<td>PD5212/64</td>
<td>1200 W (4800 W pk)</td>
<td>80 Hz - 18 kHz</td>
<td>20 Hz - 16 kHz</td>
<td>90° x 50°</td>
<td>99 x 67 x 276 mm</td>
<td>20 Hz - 16 kHz</td>
<td>90° x 50°</td>
</tr>
<tr>
<td>PD5212/95</td>
<td>1200 W (4800 W pk)</td>
<td>80 Hz - 18 kHz</td>
<td>20 Hz - 16 kHz</td>
<td>109° x 50°</td>
<td>110 x 26.5 x 27.8 in</td>
<td>20 Hz - 16 kHz</td>
<td>109° x 50°</td>
</tr>
</tbody>
</table>

**Power Ratings:**
- AES: 1200 W (4800 W pk)
- IEC: 80 Hz - 18 kHz

**Frequency Response:**
- 20 Hz - 16 kHz

**Nominal Coverage:**
- 75° x 75°

**Dimensions:**
- 87 x 18.75 x 27.2 in

**Net Weight:**
- 87.3 kg (192 lb)

**Notes:**
- 1 in bi-amp mode, with recommended active tuning.
- AES standard, one decade pink noise with 6 dB crest factor within device's operational band, free air. Standard AES 2 rating plus long term 100 hours rating are specified for low-frequency transducers.
- IEC standard, full bandwidth pink noise with 6 dB crest factor, 100 hours, passive mode.
- Calculated based on power rating and sensitivity, exclusive of power compression.
- Anechoic sensitivity in free field, no additional sensitivity gains from boundary loading.
- AES standard, one decade pink noise with 6 dB crest factor, in cabinet, long term 100 hour rating.
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.
Within the AE Series are three power levels. The high output level models are found in the 7000 and 6000 Series, the medium output models are found in the 5000 and 4000 Series, and the lower output power level is found in the 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.

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

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.

There are 9 high-power 2-way full-range models. Four are shown here and five on the following page.
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.

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. AE Series brackets and overhead suspension accessories are also available.

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.

Differential Drive® Technology
JBL’s exclusive dual voice coil – dual gap Differential Drive technology is at the core of AM5212, AM5215, AM7212, AM7215, AM7315, AM7200 and AL7115 as well as the ASB6112, ASB6115, ASB6125, ASB7118 and ASB7128 subwoofer models. Patented in 1995, this groundbreaking JBL technology dramatically reduces driver weight while greatly enhancing all critical performance parameters: frequency response, power output, and distortion.

The Differential Drive technology features a unique design with heat sinks integrated into the cast aluminum frame. The dual voice coil and dual gap places the neodymium magnets inside the dual voice coil assembly, completing the magnetic circuit without the heavy surrounding steel structure of conventional drivers.

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 — patented 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.
key features

- VERSATILE SCALED SYSTEM APPROACH
- VGC™ DRIVERS AND DIFFERENTIAL DRIVE® CONE TRANSDUCERS
- PT™ PROGRESSIVE TRANSITION WAVEGUIDES FOR EXCELLENT PATTERN CONTROL

2432H 75mm (3") voice coil, 1.5” exit compression driver is used all AM7200, AM7315, AM7212 and AM7215 Models

Large mouth rotatable Progressive Transition™ waveguides for precise directivity control are used in all AM5212, AM5215, AM7212, and AM7215 models

JBL’s patented dual voice coil – dual gap Differential Drive technology is at the core of all AM5000 and AM7000 Series loudspeaker systems.

<table>
<thead>
<tr>
<th>AM</th>
<th>Maximized 3-Way</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEM TYPE</td>
<td>AM7315/95 &amp; /64</td>
</tr>
<tr>
<td>FREQUENCY RANGE</td>
<td>High-power Three-way</td>
</tr>
<tr>
<td>LF</td>
<td>38 Hz - 20 kHz (-10 dB)</td>
</tr>
<tr>
<td>MF</td>
<td>45 Hz - 18 kHz (+3 dB)</td>
</tr>
<tr>
<td>HF</td>
<td>AM7315/95 - 90° x 50°</td>
</tr>
<tr>
<td>NOMINAL COVERAGE</td>
<td>AM7315/64 - 60° x 40°</td>
</tr>
<tr>
<td>TRANSDUCER</td>
<td>1000W</td>
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<tr>
<td>POWER RATING(AES)</td>
<td>1000W</td>
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<tr>
<td>POWER RATING(IEC): MF/HF</td>
<td>600W (2400W peak)</td>
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<tr>
<td>LONG-TERM LF</td>
<td>200W (8000W peak)</td>
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<tr>
<td>MAXIMUM SPL : LF</td>
<td>126/132 dB</td>
</tr>
<tr>
<td>MF</td>
<td>133/139 dB</td>
</tr>
<tr>
<td>HF</td>
<td>133/139 dB</td>
</tr>
<tr>
<td>BI-AMP MODE: MF/HF</td>
<td>133/139 dB</td>
</tr>
<tr>
<td>SELECTABLE CROSSOVER MODES</td>
<td>Bi-amp/Tri-amp</td>
</tr>
<tr>
<td>SUSPENSION</td>
<td>13 points</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>967 x 561 x 657 mm</td>
</tr>
<tr>
<td>NET WEIGHT (each)</td>
<td>45.8 kg (101 lb)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>AM</th>
<th>AM7200/95 &amp; /64</th>
</tr>
</thead>
<tbody>
<tr>
<td>SYSTEM TYPE</td>
<td>High-power Mid-high</td>
</tr>
<tr>
<td>FREQUENCY RANGE</td>
<td>260 Hz - 20 kHz (-10 dB)</td>
</tr>
<tr>
<td>LF</td>
<td>330 Hz - 20 kHz (+3 dB)</td>
</tr>
<tr>
<td>NOMINAL COVERAGE</td>
<td>AM7200/95 - 90° x 50°</td>
</tr>
<tr>
<td>TRANSDUCER</td>
<td>AM7200/64 - 60° x 40°</td>
</tr>
<tr>
<td>POWER RATING(AES)</td>
<td>350W</td>
</tr>
<tr>
<td>POWER RATING(IEC): MF/HF</td>
<td>100W</td>
</tr>
<tr>
<td>POWER RATING(IEC): MF/HF</td>
<td>200W (800W peak)</td>
</tr>
<tr>
<td>LONG-TERM LF</td>
<td>133/139 dB</td>
</tr>
<tr>
<td>MAXIMUM SPL : LF</td>
<td>133/139 dB</td>
</tr>
<tr>
<td>MF</td>
<td>133/139 dB</td>
</tr>
<tr>
<td>HF</td>
<td>Bi-amp/Passive</td>
</tr>
<tr>
<td>SELECTABLE CROSSOVER MODES</td>
<td>13 points</td>
</tr>
<tr>
<td>SUSPENSION</td>
<td>548 x 561 x 657 mm</td>
</tr>
<tr>
<td>DIMENSIONS</td>
<td>21.6 x 22.1 x 25.9 in</td>
</tr>
<tr>
<td>NET WEIGHT (each)</td>
<td>27.4 kg (60 lb)</td>
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<tr>
<td>SYSTEM TYPE</td>
<td>FREQUENCY RANGE</td>
</tr>
<tr>
<td>-------------</td>
<td>-----------------</td>
</tr>
<tr>
<td>LF (2 Hours)</td>
<td>36 Hz - 20 kHz</td>
</tr>
<tr>
<td>HF (100 Hours)</td>
<td>40 Hz - 18 kHz</td>
</tr>
<tr>
<td>IEC</td>
<td>600 W (2400 W peak)</td>
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<table>
<thead>
<tr>
<th>TRANSDUCER LF</th>
<th>POWER RATING (AES)</th>
<th>LONG-TERM POWER RATING (IEC)</th>
<th>MAXIMUM SPL</th>
</tr>
</thead>
<tbody>
<tr>
<td>AM7212/xx LF 60° x 40°</td>
<td>1000 W</td>
<td>1000 W</td>
<td>126 dB</td>
</tr>
<tr>
<td>AM7215/xx LF 60° x 40°</td>
<td>1000 W</td>
<td>1000 W</td>
<td>126 dB</td>
</tr>
<tr>
<td>AM5212/xx LF 100° x 100°</td>
<td>100 W</td>
<td>100 W</td>
<td>126 dB</td>
</tr>
<tr>
<td>AM5215/xx LF 100° x 100°</td>
<td>100 W</td>
<td>100 W</td>
<td>126 dB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SELECTABLE CROSSOVER MODES</th>
<th>SUSPENSION</th>
<th>DIMENSIONS</th>
<th>NET WEIGHT (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Passive</td>
<td>Trapizoidal 15° side angles</td>
<td>548 x 561 x 657 mm</td>
<td>25.9 kg (57 lb)</td>
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</table>

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

<table>
<thead>
<tr>
<th>Model</th>
<th>System Type</th>
<th>Frequency Range</th>
<th>Transducer</th>
<th>Power Rating (AES) 1</th>
<th>Maximum SPL 1</th>
<th>Enclosure</th>
<th>Dimensions</th>
<th>Net Weight</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASB6118</td>
<td>High-power Subwoofer</td>
<td>28 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>30 Hz - 1 kHz (-10 dB)</td>
<td>800 W (2 hrs)</td>
<td>100 hrs</td>
<td>35 Hz - 400 Hz: 132 dB SPL</td>
<td>64.5 kg (98 lb)</td>
<td></td>
</tr>
<tr>
<td>ASB6128</td>
<td>High-power Subwoofer</td>
<td>30 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>1000 W (4000 W peak)</td>
<td>1600 W (2400 W peak)</td>
<td>100 hrs</td>
<td>30 Hz - 100 Hz: 133 dB</td>
<td>19.0 x 16.5 x 23.5 in</td>
<td></td>
</tr>
<tr>
<td>ASB6128V</td>
<td>High-power Subwoofer</td>
<td>30 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>1000 W (4000 W peak)</td>
<td>1600 W (4000 W peak)</td>
<td>100 hrs</td>
<td>30 Hz - 100 Hz: 133 dB</td>
<td>38.0 x 16.5 x 23.5 in</td>
<td></td>
</tr>
<tr>
<td>ASB4128</td>
<td>Medium-power Subwoofer</td>
<td>30 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>1000 W (4000 W peak)</td>
<td>1600 W (4000 W peak)</td>
<td>100 hrs</td>
<td>30 Hz - 100 Hz: 133 dB</td>
<td>21.5 x 22.1 x 32.2 in</td>
<td></td>
</tr>
<tr>
<td>ASB4128V</td>
<td>Medium-power Subwoofer</td>
<td>30 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>1000 W (4000 W peak)</td>
<td>1600 W (4000 W peak)</td>
<td>100 hrs</td>
<td>30 Hz - 100 Hz: 133 dB</td>
<td>21.5 x 22.1 x 32.2 in</td>
<td></td>
</tr>
<tr>
<td>ASB7118</td>
<td>Single 15“ Subwoofer</td>
<td>32 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>20 Hz - 1 kHz (-10 dB)</td>
<td>800 W (2 hrs)</td>
<td>100 hrs</td>
<td>35 Hz - 400 Hz: 132 dB SPL</td>
<td>64.5 kg (98 lb)</td>
<td></td>
</tr>
<tr>
<td>ASB7128</td>
<td>Double 15“ Subwoofer</td>
<td>32 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>20 Hz - 1 kHz (-10 dB)</td>
<td>800 W (2 hrs)</td>
<td>100 hrs</td>
<td>35 Hz - 400 Hz: 132 dB SPL</td>
<td>129 dB SPL</td>
<td></td>
</tr>
<tr>
<td>ASB7128V</td>
<td>Double 18“ High Output Subwoofer with 2269 Woofer</td>
<td>20 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>20 Hz - 1 kHz (-10 dB)</td>
<td>1600 W (6400 W peak)</td>
<td>100 hrs</td>
<td>30 Hz - 100 Hz: 133 dB</td>
<td>43.8 kg (78.0 lb)</td>
<td></td>
</tr>
<tr>
<td>ASB718</td>
<td>Single 18‘‘ High Output Subwoofer with 2269 Woofer</td>
<td>22 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>22 Hz - 1 kHz (-10 dB)</td>
<td>1600 W (6400 W peak)</td>
<td>100 hrs</td>
<td>30 Hz - 100 Hz: 133 dB</td>
<td>43.8 kg (78.0 lb)</td>
<td></td>
</tr>
<tr>
<td>ASB818</td>
<td>Single 21‘‘ High Output Subwoofer with 2269 Woofer</td>
<td>25 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>25 Hz - 1 kHz (-10 dB)</td>
<td>1600 W (6400 W peak)</td>
<td>100 hrs</td>
<td>30 Hz - 100 Hz: 133 dB</td>
<td>43.8 kg (78.0 lb)</td>
<td></td>
</tr>
<tr>
<td>ASB918</td>
<td>Single 18’‘ High Output Subwoofer with 2269 Woofer</td>
<td>25 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>25 Hz - 1 kHz (-10 dB)</td>
<td>1600 W (6400 W peak)</td>
<td>100 hrs</td>
<td>30 Hz - 100 Hz: 133 dB</td>
<td>43.8 kg (78.0 lb)</td>
<td></td>
</tr>
<tr>
<td>ASB112</td>
<td>Single 12’‘ Subwoofer</td>
<td>34 Hz - 1 kHz (-10 dB)</td>
<td>Rectangular</td>
<td>34 Hz - 1 kHz (-10 dB)</td>
<td>1600 W (6400 W peak)</td>
<td>100 hrs</td>
<td>30 Hz - 100 Hz: 133 dB</td>
<td>43.8 kg (78.0 lb)</td>
<td></td>
</tr>
</tbody>
</table>

#### Notes
- Maximum long-term average SPL. Peak SPL is 6 dB higher. Figure is for highest Q version.
- AES 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.
- AES standard, one decade pink noise with 6 dB crest factor, in cabinet, long-term 100 hr rating.
- Designed to be used in multiples (2 minimum, 4 optimum) with ASB series. For best results, use with full range system, in multiples of two.
- Specifications shown are for one cabinet.
- * Calculated based on power rating and arbitrarily, exclusive of power compression.
JBL continues to support artists worldwide with the introduction of eight new AE Series Compact Loudspeakers. An extension of the industry-leading AE Series, the AE Compact family consists of high-output, 2-way loudspeaker systems combining flexibility with high fidelity. Ranging from a single 5.25" point-and-shoot box to dual 8" loudspeaker systems that are specifically designed for better serving the needs of both designers and artists alike.

The ultra-compact AC15 and AC25 models include a 1" dome tweeter while the AC16, AC26, AC18, and AC28 models feature 1" exit compression drivers providing sonic clarity and crisp detail. The AC18 and AC28 featuring JBL’s Progressive Transition™ Rotatable Waveguides, offer the system designer a choice of coverage patterns in either 90° x 50° or 120° x 60°.

### Specifications

<table>
<thead>
<tr>
<th>System Type</th>
<th>Ultra Compact 2-way Loudspeaker System with 1 - 5.25&quot; LF</th>
<th>Ultra Compact 2-way Loudspeaker System with 2 - 5.25&quot; LF</th>
<th>Ultra Compact 2-way Loudspeaker System with 1 - 6.5&quot; LF</th>
<th>Ultra Compact 2-way Loudspeaker System with 2 - 6.5&quot; LF</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range (-10 dB)</td>
<td>80 Hz - 20 kHz</td>
<td>80 Hz - 20 kHz</td>
<td>55 Hz - 20 kHz</td>
<td>55 Hz - 20 kHz</td>
</tr>
<tr>
<td>90 Hz - 18 kHz</td>
<td>90 Hz - 18 kHz</td>
<td>90 Hz - 18 kHz</td>
<td>90 Hz - 18 kHz</td>
<td>90 Hz - 18 kHz</td>
</tr>
<tr>
<td>91 dB SPL</td>
<td>91 dB SPL</td>
<td>92 dB SPL</td>
<td>92 dB SPL</td>
<td>92 dB SPL</td>
</tr>
<tr>
<td>150W Continuous, 600W Peak</td>
<td>160W Continuous, 640W Peak</td>
<td>210W Continuous, 720W Peak</td>
<td>255W Continuous, 900W Peak</td>
<td>315W Continuous, 1200W Peak</td>
</tr>
<tr>
<td>90° x 90°</td>
<td>90° x 90°</td>
<td>90° x 90°</td>
<td>90° x 90°</td>
<td>90° x 90°</td>
</tr>
<tr>
<td>241 x 150.3 x 177.8 mm</td>
<td>377 x 150.3 x 177.8 mm</td>
<td>381 x 199.4 x 226.1 mm</td>
<td>389 x 199.4 x 226.1 mm</td>
<td>439 x 199.4 x 226.1 mm</td>
</tr>
<tr>
<td>9.5 x 5.9 x 7.0 in</td>
<td>14.9 x 5.9 x 7.0 in</td>
<td>15.0 x 7.8 x 8.9 in</td>
<td>15.0 x 7.8 x 8.9 in</td>
<td>15.0 x 7.8 x 8.9 in</td>
</tr>
<tr>
<td>4.7 kg (10.5 lb)</td>
<td>7.5 kg (16.5 lb)</td>
<td>7.2 kg (15.8 lb)</td>
<td>11.0 kg (24.3 lb)</td>
<td>12.8 kg (28.2 lb)</td>
</tr>
</tbody>
</table>

### AC15
- **The AC15** is an ultra compact enclosure with one 5.25" LF transducer and 90° x 90° waveguide with 25 mm (1 in) dome tweeter. It is equipped with attachment points for a U-bracket and OmniMount® type bracket.

### AC25
- **The AC25** has the features of the AC15 with two 5.25" LF transducers.

### AC16
- **The AC16** is an ultra compact enclosure with one 6.5" LF transducer and a 90° x 90° Progressive Transition™ Waveguide with a 25 mm (1 in) exit compression driver. It is equipped with attachment points for a U-bracket, OmniMount® type bracket and stand mount adapter.

### AC26
- **The AC26** has the features of the AC16 with two 6.5" LF transducers.

### AC18/95 & AC18/26
- **The AC18/95 & AC18/26** are compact enclosures with one 8" LF transducer and a 90° x 50° Progressive Transition Field Rotatable Waveguide with a 1" exit compression driver (AC18/95) or 120° x 60° Progressive Transition™ Field Rotatable Waveguide with a 1" exit compression driver (AC18/26). They are equipped with attachment points for a U-bracket, OmniMount type bracket and stand mount adapter.

### AC28/95 & AC28/26
- **The AC28/95 & AC28/26** have the features of the AC18/95 & AC18/26 with two 8" LF transducers.

The JBL AE Series Compact Models offer a range of features that make them suitable for various applications, from live events to fixed installations. Whether you need high-output performance or flexibility in orientation, these systems provide the fidelity and power needed to bring artists’ performances to life.

For over sixty years JBL engineers have leveraged their mastery of physics to elevate the platform which millions of creative individuals worldwide use to broadcast their personal form of audible art. The engineering team strives to achieve the highest level of sonic quality to ensure the audience will hear every nuance of tonal clarity as intended by the artist.
The JBL CBT Series line array columns with Constant Beamwidth Technology break new ground in performance, versatility, and affordability. Designed for venues that would typically use larger point-and-shoot speakers, the CBT models incorporate technical advancements that allow them to vastly outperform competitive systems, with a level of user-friendliness that virtually eliminates the challenges of delivering great sound. With a slim compact design in fiberglass reinforced ABS enclosures, the CBT Series fits well into virtually any decor.

Constant Beamwidth Technology\textsuperscript{\textregistered} locks in and maintains a specific coverage pattern over a very wide bandwidth. The CBT models deliver smooth, consistent coverage that is similar to — and in some respects, better than — complex and far more expensive line arrays. The CBT Series’ constant directivity coverage delivers consistent frequency response at every distance as well as off-axis. With the CBT Series, every seat in the house experiences the same quality of sound regardless of position.

CBT models are outdoor capable, with an IEC529 rating of IP-54. CBT Series column line array loudspeakers are ideal for any application requiring a speaker with discrete appearance, excellent sound and superb pattern control.

CBT Series: Line Array Column Loudspeakers

**CBT 50LA**

The CBT 50LA is the most compact of the models. The 150 Watt power handling and high sensitivity allows this speaker to hold its own versus larger competitive columns for output level. A frequency response down to 80 Hz works well for either speech or music. The voicing can be set to match the application through the Music(flat)/Speech switch located on the side of the cabinet.

Typical applications include: audio support for video monitors, retail stores, concourses, general fill applications, conference rooms, and architectural spaces where a traditional point-and-shoot loudspeaker may be too visually obtrusive.

**CBT 100LA**

The CBT 100LA contains sixteen 50 mm (2 in) full-range drivers in a slim, compact cabinet. The tallest of the models (other than the CBT 70J+70JE combination), CBT 100LA provides excellent pattern control. The vertical coverage is easily adjustable with a side cabinet switch, making this single loudspeaker model an exceptional choice for a wide variety of difficult environments, both indoors and outdoors. 325 Watts of power handling and high sensitivity produces exceptionally high output capability from a column that is only 9.9 cm (3.8 in) wide. Voicing is switchable between Music (flat) and Speech settings.

Typical applications include: lecture halls, difficult acoustic spaces, transit centers, conference rooms, cathedrals, multi-purpose spaces, and a variety of architectural spaces. Because of the flat front, this model can be used where the loudspeaker will be recessed into a wall.

**CBT 70J**

The CBT 70J is a two-way speaker, with frequency response down to 60 Hz, 500 Watts power handling, very high sensitivity and high continuous SPL capability. Combining Constant Beamwidth Technology with a physical J-shaped curving, this model provides asymmetrical vertical coverage which sends more sound toward the far area of the room than toward the near area, resulting in more even coverage of the room from front to back. Because it provides some down-fill sound, it is fairly forgiving of mounting height. The excellent pattern control helps to reduce back-wall reflections. Vertical coverage is switchable, as is the voicing. CBT 70J is a unique and exceptionally good sounding loudspeaker.

Typical applications include: high level A/V applications, small to medium sized performance spaces (depending on the amount of bass required), full fidelity lectures halls, large-scale surround sound applications, and outdoor systems such as baseball fields, racetracks and theme parks.

**CBT 70JE**

The CBT 70JE contains four low frequency drivers and a crossover network purposely designed for use with the CBT 70J. When connected to a CBT 70J line array column speaker, the CBT 70JE Extension provides extended bass response, extended pattern control, and increased sound output levels.

**CBT 70J+70JE**

The CBT 70J+70JE array system is twice the height of a CBT 70J, which extends the pattern control down to below 400 Hz, to include the voice range and much of the music range. This unobtrusive column array system provides 1000 Watts of continuous power handling (peaks of 4000 Watts), high sensitivity and very high maximum output capability, with a frequency response that extends down to 45 Hz.

Typical applications include: medium performance spaces that require more bass and/or more pattern control than a 70J by itself, highly reflective small to medium houses of worship requiring more pattern control than a 70J, full-fidelity lecture halls with difficult acoustic environments or where full spectrum sound is desired, transit centers with highly reverberant acoustic environments, and multi-purpose spaces that may require exceptional speech clarity and as well as full bandwidth music.

**Accessory**

MTC-CBT-SMB1 – Stand Mount Bracket fits all models except CBT 70J+70JE array system, for use with JBL SS2-BK speaker stand, for portable applications.
**key features**

CBT Series

- PATENT PENDING CONSTANT BEAMWIDTH TECHNOLOGY™ PROVIDES CONSTANT BEAMWIDTH
- VERTICAL COVERAGE SWITCHABLE BETWEEN NARROW AND BROAD TO FIT WIDE VARIETY OF APPLICATIONS
- FULL FIDELITY BANDWIDTH
- SELECTABLE VOICING PROVIDES FLAT RESPONSE IN MUSIC MODE OR MID-RANGE PRESENCE PEAK IN SPEECH MODE

---

**specifications**

<table>
<thead>
<tr>
<th>CBT Series</th>
<th>CBT 50LA</th>
<th>CBT 100LA</th>
<th>CBT 70J</th>
<th>CBT 70J+70JE Array System</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SYSTEM TYPE</strong></td>
<td>Compact Full-Range Speaker System</td>
<td>Pattern Control Full-Range Speaker System</td>
<td>Full-Range J-Shaped Speaker System</td>
<td>LF &amp; Pattern Extension for CBT70J</td>
</tr>
<tr>
<td><strong>FREQUENCY RANGE</strong></td>
<td>80 Hz – 20 kHz</td>
<td>80 Hz – 20 kHz</td>
<td>60 Hz – 20 kHz</td>
<td>45 Hz – 20 kHz</td>
</tr>
<tr>
<td><strong>COVERAGE PATTERN</strong></td>
<td>Vertical: 20° (1.5 kHz - 16 kHz, ±10°) Horizontal: 150° (ave, 1 kHz – 4 kHz, ±20°)</td>
<td>V Narrow Mode: 35° (2 kHz - 16 kHz, ±10°) V Broad Mode: 40° (1 kHz - 16 kHz, ±10°) Horizontal: 150° (ave, 1 kHz – 4 kHz, ±20°) Cool</td>
<td>Narrow: 96 dB / Broad: 93 dB Narrow: 93 dB / Broad: 90 dB</td>
<td>Narrow: 98 dB / Broad: 96 dB (1 kHz - 8 kHz) Narrow: 93 dB / Broad: 92 dB</td>
</tr>
<tr>
<td><strong>SENSITIVITY: SPEECH</strong></td>
<td>93 dB</td>
<td>96 dB / Broad: 93 dB</td>
<td>96 dB / Broad: 93 dB</td>
<td>96 dB / Broad: 93 dB</td>
</tr>
<tr>
<td><strong>MUSIC MODE</strong></td>
<td>89 dB</td>
<td>93 dB / Broad: 90 dB</td>
<td>93 dB / Broad: 92 dB</td>
<td>96 dB / Broad: 94 dB (1 kHz - 8 kHz)</td>
</tr>
<tr>
<td><strong>COMPONENTS</strong></td>
<td>Eight 50 mm (2 in) Full-Range</td>
<td>Sixteen 50 mm (2 in) Full-Range</td>
<td>Four 130 mm (5 in) LF drivers</td>
<td>Eight 130 mm (5 in) LF drivers</td>
</tr>
<tr>
<td><strong>IMPEDANCE</strong></td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
</tr>
<tr>
<td><strong>POWER CAPACITY: 8 OHM SETTING</strong></td>
<td>150W (600W peak), 2 hrs</td>
<td>325 W (1300W peak), 2 hrs</td>
<td>350 W (1400W peak), 100 hrs</td>
<td>1000 W (4000W peak), 2 hrs</td>
</tr>
<tr>
<td><strong>MUSIC MODE</strong></td>
<td>89 dB</td>
<td>Speech Broad: 123 dB cont ave (129 peak) Music Broad: 119 dB cont ave (125 peak)</td>
<td>Speech Broad: 123 dB cont ave (129 peak) Music Broad: 119 dB cont ave (125 peak)</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>TRANSFORMER TAPS: 100V 70V</strong></td>
<td>40 W, 30 W, 15 W</td>
<td>60 W, 30 W, 15 W, 7.5 W</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>MOUNTING</strong></td>
<td>Wall bracket included</td>
<td>Wall bracket included</td>
<td>N/A</td>
<td>Coupler plate to join CBT 70J and 70JE</td>
</tr>
<tr>
<td><strong>DIMENSIONS (H x W x D)</strong></td>
<td>528 x 99 x 153 mm</td>
<td>1000 x 99 x 153 mm</td>
<td>N/A</td>
<td>1388 x 170 x 237 mm</td>
</tr>
<tr>
<td><strong>NET WEIGHT (each)</strong></td>
<td>4.1 kg (9.0 lb)</td>
<td>7.2 kg (15.8 lb)</td>
<td>9.5 kg (21 lb)</td>
<td>20.4 kg (45 lb)</td>
</tr>
</tbody>
</table>

1. Full space 2. IEC standard, full bandwidth pink noise with 6 dB crest factor. 3. Calculated based on power rating and measured sensitivity, exclusive of power compression.
**Control® 60 Series**

**key features**
- Designed for applications with open architecture and high ceilings
- Hanging hardware with galvanized steel cable and easy to adjust clamp

**JBL Control Contractor 60 Series Pendant loudspeakers** bring renowned JBL sound and outstanding coverage to rooms and venues with open architecture or high-ceilings, while providing superior voice and musical clarity for rooms with difficult acoustics.

The diverse line-up, coupled with stylish design, is suitable for a wide variety of applications and decors—convention and exhibit spaces, atriums, restaurants, retail stores and more. Easy-to-install hanging hardware is included, featuring redundant suspension cables and UL listed adjustable-height hangers.

JBL’s proprietary conical RBI Radiation Boundary Integrator™ is adapted from the groundbreaking VERTEC® Series of line array loudspeakers. This unique JBL patent-pending innovation combines a large diameter high-frequency waveguide with low-frequency projection apertures that work in tandem to provide a seamless integration of coverage between the two coaxially-mounted drivers. The result is extremely even pattern control and coverage, where all listeners hear a consistent flat, frequency response. This often allows the use of fewer speakers.

**specifications**

<table>
<thead>
<tr>
<th>CONTROL 62P</th>
<th>CONTROL 65P/T</th>
<th>CONTROL 67P/T</th>
<th>CONTROL 67HC/T</th>
<th>CONTROL 65HC/T</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SYSTEM TYPE</strong></td>
<td>Ultra-Compact, Mid-High Satellite Pendant Speaker</td>
<td>Compact Full-Range Pendant Loudspeaker with RBI</td>
<td>Full-Range Pendant Loudspeaker with RBI</td>
<td>Narrow-Coverage, High Ceiling Pendant Loudspeaker with RBI</td>
</tr>
<tr>
<td><strong>FREQUENCY RESPONSE (±10 dB)</strong></td>
<td>55 Hz – 20 kHz</td>
<td>55 Hz – 20 kHz</td>
<td>59 Hz – 18 kHz</td>
<td>59 Hz – 18 kHz</td>
</tr>
<tr>
<td><strong>FREQUENCY RANGE (±3 dB)</strong></td>
<td>150 Hz – 20 kHz</td>
<td>150 Hz – 20 kHz</td>
<td>78 Hz – 18 kHz</td>
<td>78 Hz – 16 kHz</td>
</tr>
<tr>
<td><strong>POWER CAPACITY</strong>: <strong>PROGRAM</strong></td>
<td>50 W</td>
<td>75 W</td>
<td>150 W</td>
<td>150 W</td>
</tr>
<tr>
<td><strong>NOMINAL SENSITIVITY</strong>: <strong>PINK</strong></td>
<td>96 dB</td>
<td>96 dB</td>
<td>90 dB</td>
<td>90 dB</td>
</tr>
<tr>
<td><strong>TRANSFORMER TAPS</strong></td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
</tr>
<tr>
<td><strong>TRANSUCERS</strong></td>
<td>60 mm (2 1/2 in), polypropylene-coated paper with pure butyl rubber surround</td>
<td>60 mm (2 1/2 in), polypropylene-coated paper with pure butyl rubber surround</td>
<td>130 mm (5 ¼ in), polypropylene-coated paper with pure butyl rubber surround</td>
<td>130 mm (5 ¼ in), polypropylene-coated paper with pure butyl rubber surround</td>
</tr>
<tr>
<td><strong>ENCLOSURE DIMENSIONS (DIAMETER x DEPTH)</strong></td>
<td>High impact polystyrene</td>
<td>High impact polystyrene</td>
<td>High impact polystyrene</td>
<td>High impact polystyrene</td>
</tr>
<tr>
<td><strong>NET WEIGHT (each)</strong></td>
<td>2.5 kg (5.5 lb)</td>
<td>3.7 kg (8 lb)</td>
<td>5.2 kg (11.5 lb)</td>
<td>5.9 kg (13 lb)</td>
</tr>
</tbody>
</table>

**POWER CAPACITY**: **2: CONTINUOUS PINK NOISE**
- Continuous Pink Noise rating is IEC-shaped pink noise with a 6 dB peak-to-average crest factor for 100 hours continuously. Continuous Program power 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.
- Full-space (suspend in free air), average 1.5 kHz to 10 kHz.

**CONTROL 62P**
- The Control 62P, with its 2.5” driver, is great for speech and mid-high music applications (external high-pass required) in visually sensitive applications. For full-range, wide bandwidth performance, up to 4 pieces can be driven from a Control 50 S / T or 40 CS / T subwoofer.

**CONTROL 65P/T**
- The Control 65P/T incorporates JBL’s exclusive RBI Radiation Boundary Integration technology to provide very consistent, wide coverage throughout the listening space.

**CONTROL 67P/T**
- The Control 67P/T incorporates a large enclosure and high-power 6.5” (165 mm) transducer for extended bass and high-fidelity. The extra-large RBI Radiation Boundary Integrator™ provides outstanding pattern control, which can allow fewer speakers to cover a venue.

**CONTROL 67HC/T**
- The Control 67HC/T has well-controlled narrow coverage, ideal for improved voice intelligibility and musical clarity in high-ceiling venues or in rooms with difficult acoustics—convention centers, transit centers, exhibit venues and hotel atriums.
Control® 50 Series

**key features**

- Selectable 70V/100V or low impedance
- Wall-mount brackets included
- Mix and match with Control Contractor 40 Series
- Use either two or four satellite speakers per system

The Control 50 Series subwoofer-satellite loudspeaker system provides high fidelity sound in any location where full-range high fidelity foreground/background music is required from a surface-mount system.

The Control 50S/T subwoofer can be utilized with either two of four Control 52 satellite speakers. The Control 50 system is mono. Both the Control 50S/T and Control 52 can be intermixed in systems along with the Control 40 Series in-ceiling models – Control 40CS/T subwoofer and Control 42 satellite speaker – to match the form factor requirements of a wide variety of applications.

**CONTROL 52 SATELLITE SPEAKER**
The Control 52 satellite loudspeaker produces superb high fidelity sound via a low distortion 60 mm (2½ in) driver. The included wall bracket allows each speaker to be angled up to 45° off-axis.

**CONTROL 50S/T SUBWOOFER**
The Control 50S/T subwoofer contains a high-power, long-excursion, 200 mm (8 inch) driver which provides extended low frequency response. The Control 50S/T installs quickly with its included two-piece easy-mount wall-bracket. The built-in crossover network provides proper signal routing and output connectors for four Control 52 satellite loudspeakers. A Loop Out connector provides a full-range input signal to other loudspeakers or to other subwoofer/satellite systems.

The Control 50 Series subwoofer-satellite loudspeaker system provides high fidelity sound in any location where full-range high fidelity foreground/background music is required from a surface-mount system.

**The C50PACK includes** 4) Control 52 satellite speakers and 1) Control 50 subwoofer as shown. The Control 50 Series is also available individually.

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### Specifications

<table>
<thead>
<tr>
<th>System Type</th>
<th>Wall-Mountable Satellite Speaker</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>140 Hz – 20 kHz</td>
</tr>
<tr>
<td>Power Capacity: Program 2</td>
<td>30 W (100 hours) 15 W (100 hours)</td>
</tr>
<tr>
<td>Nominal Coverage</td>
<td>150° x 150° omnidirectional</td>
</tr>
<tr>
<td>Sensitivity: 1W</td>
<td>85 dB</td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>16 ohms</td>
</tr>
<tr>
<td>Transformer Taps: 100V/70V</td>
<td></td>
</tr>
</tbody>
</table>

**Components:**

- 60 mm (2.5 in) with polypropylene cone, butyl rubber surround, 19 mm (0.75 in) copper-clad coil, copper sleeved magnet

**Termination:**

- Screw-down removable locking connector

**Dimensions (H x W x D):**

- 115 x 84 x 96 mm
- 4.5 x 3.3 x 3.75 in

**Net Weight (each):**

- 7 kg (15 lb)

---

<table>
<thead>
<tr>
<th>System Type</th>
<th>150 W Subwoofer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>32 Hz – 200 Hz</td>
</tr>
<tr>
<td>Power Capacity</td>
<td>200 W (100 hours) 100 W (100 hours)</td>
</tr>
<tr>
<td>Nominal Coverage</td>
<td>95 dB (near corner) 89 dB (center of wall)</td>
</tr>
<tr>
<td>Sensitivity: 1W</td>
<td>8 ohms</td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td>8 ohms</td>
</tr>
<tr>
<td>Transformer Taps: 80 W, 40 W, 20 W, 10 W 8 ohm bypass/thru</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions (H x W x D):**

- 200 mm (8 in) with polypropylene cone, butyl rubber surround, 38 mm (1.5 in) 4-layer copper-clad coil, vented aluminum former

**Net Weight (each):**

- 9.0 kg (20 lb)

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<table>
<thead>
<tr>
<th>System Type</th>
<th>Control 50/4 Pack</th>
</tr>
</thead>
<tbody>
<tr>
<td>150 W Subwoofer</td>
<td></td>
</tr>
<tr>
<td>Frequency Range</td>
<td>32 Hz – 20 kHz</td>
</tr>
<tr>
<td>Power Capacity: Program 2</td>
<td>200 W (100 hours) 100 W (100 hours)</td>
</tr>
<tr>
<td>Nominal Coverage</td>
<td>87 dB</td>
</tr>
<tr>
<td>Sensitivity: 1W</td>
<td>4 ohms</td>
</tr>
<tr>
<td>Nominal Impedance</td>
<td></td>
</tr>
<tr>
<td>Transformer Taps: 80 W, 40 W, 20 W, 10 W 8 ohm bypass/thru</td>
<td></td>
</tr>
</tbody>
</table>

**Dimensions (H x W x D):**

- 356 x 391 x 203 mm
- 14.0 x 15.4 x 8.0 in

**Net Weight (each):**

- 11.8 kg (26 lb)
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 (except Control CRV). 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. 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 subwoofer-satellite 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. 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 features a top-quality 60 W 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 additional weather resistance.

**CONTROL 25AV-LS**
The Control 25AV-LS is UL1480 UUMW listed for use in fire alarm and/or emergency communication systems.

**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-1**
The Control 29AV-1 utilizes high power components and a 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 150 W multitap transformer for 70V/100V line distribution systems with a bypass for use as an 8 ohm speaker. Contains 10 inserts for suspending. Optional MTC-30UB U-bracket available.
key features

- **INVISIBALL® MOUNTING TECHNOLOGY**
- **WEATHEREDGE™ FOR MOISTURE PROTECTION**
- **PAINTABLE TEXTURED ENCLOSURES**
- **SELECTION OF VERSATILE MOUNTING HARDWARE**

The unique curved shape of the CRV provides innovative installation solutions. When placed at the junction of the ceiling and wall or two walls, the speaker couples well with both boundary surfaces, forming a dual ground plane configuration.

JBL’s exclusive, patented InvisiBall Mounting System (most models) allows for quick, easy, theft-resistant installation with the built-in mount secured by a few turns of a standard hex wrench.

JBL’s Control Contractor systems provide incredible design flexibility. All speakers are constructed with a similar sonic signature allowing mixing and matching of any of the various models. For décor considerations, all models (except SB-2) are available in black or white and are paintable.

**CONTROL CRV**

The Control CRV brings high design and versatility to both indoor and outdoor commercial applications. The Control CRV incorporates dual 4” woofers with Polyplas™ cones for durability and a ¾” titanium-laminate tweeter.

**CONTROL SB-2**

The SB-2 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 four Control 23 as satellite speakers. (Not outdoor capable.)

**CONTROL SB210**

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

**ACCESSORIES**

- **MTC-PC2**: The MTC-PC2 Panel Cover provides sealed entrance protection for input terminals and strain relief for incoming speaker wire.
- **MTC-xxSSG and MTC-xxWMG**: SSG stainless steel retrofit grilles for Control 23, 25, and 28. WMG WeatherMax™ grilles add a foam and tight-weave backing to break up driving rain.
- **MOUNTING BRACKETS**
  - **MTC-xxUB**: U-brackets for installing Control 29AV, 30 and SB210. Available in black or white.
  - **MTC-xxH**: Horizontal Array Brackets: Allows horizontal arraying of two Control 23, 25, or 28 speakers. MTC-H brackets can be interconnected to form a suspended ring for mounting 6 or 3 speakers in a 360˚ cluster module.
  - **MTC-xxV**: Vertical Array Brackets: Allows vertical end-to-end mounting of up to three Control 23, 25, or 28 speakers.
  - **MTC-xxCM**: Ceiling Brackets: The curved arm allows installation of Control 23, 25, 28, 29AV or 30 speakers down from a ceiling.
- **MTC-xxV** Vertical Array Brackets
- **MTC-xxCM** Ceiling Brackets
- **SB-2 BRACKETS**
- **PMB-BK and PMB-WH**: Control CRV pole-mount bracket for 4-speaker 360° hanging pendant cluster.
- **Marine grille kit for Control 30 (white only).**

**MTC-xxV** Vertical Array Brackets: Allows vertical end-to-end mounting of up to three Control 23, 25, or 28 speakers.

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

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

PMB-BK and PMB-WH: Control CRV pole-mount bracket for 4-speaker 360° hanging pendant cluster.

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 CONTRACTOR SERIES

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>CONTROL 29AV-1</td>
<td>85 Hz - 16 kHz (29)</td>
<td>300 W</td>
<td>170 Hz - 18 kHz</td>
<td>20 Hz</td>
<td>110 x 140 x 277 mm</td>
<td>8 ohms</td>
<td>0.1 in (20 mm)</td>
<td>1 in (25 mm)</td>
<td>Particle Board</td>
<td>1 kg (2 lb)</td>
<td>60, 30, 15 W</td>
</tr>
<tr>
<td>CONTROL 30</td>
<td>38 Hz - 17 kHz</td>
<td>500 W</td>
<td>150 Hz - 18 kHz</td>
<td>20 Hz</td>
<td>205 x 120 x 10.9 in</td>
<td>8 ohms</td>
<td>1 in (25 mm)</td>
<td>1 in (25 mm)</td>
<td>Black or white</td>
<td>1 kg (2 lb)</td>
<td>60, 30, 15 W</td>
</tr>
<tr>
<td>CONTROL SB-2</td>
<td>38 Hz - 160 Hz</td>
<td>340 W (both inputs)</td>
<td>100 Hz - 160 Hz</td>
<td>20 Hz</td>
<td>250 x 120 x 10.9 in</td>
<td>8 ohms</td>
<td>1 in (25 mm)</td>
<td>1 in (25 mm)</td>
<td>Black or white</td>
<td>1 kg (2 lb)</td>
<td>60, 30, 15 W</td>
</tr>
<tr>
<td>CONTROL CRV</td>
<td>80 Hz - 20 kHz</td>
<td>150 W</td>
<td>100 Hz - 20 kHz</td>
<td>20 Hz</td>
<td>50 x 120 x 10.9 in</td>
<td>8 ohms</td>
<td>1 in (25 mm)</td>
<td>1 in (25 mm)</td>
<td>Black or white</td>
<td>1 kg (2 lb)</td>
<td>60, 30, 15 W</td>
</tr>
</tbody>
</table>

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® Contractor

### In-Wall Speakers

#### Key Features
- **Minimal Visual Impact**
- **High Power Handling Capability**
- **Easy to Install in Standard Stud-Wall Construction**
- **70V/100V Versions Available**

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
- **Frequency Range (-10 dB):** 38 Hz - 20 kHz
- **Power Capacity: Program:** 100 W
- **Sensitivity:** 88 dB SPL
- **Nominal Impedance:** 8 ohms
- **Transformer Taps:** 30, 15, 7.5 W (126WT)
- **Components:** Low: 6 1⁄2 in (165 mm), High: 1 in (25 mm)
- **Optimum Air Cavity:** 6 1⁄2 in (165 mm)
- **Speaker Dimensions:** 280 x 215 x 105 mm
- **Net Weight (each):** 2.1 kg (4.5 lb)

#### Control 128W/WT
- **Frequency Range (-10 dB):** 30 Hz - 20 kHz
- **Power Capacity: Program:** 120 W
- **Sensitivity:** 90 dB SPL
- **Nominal Impedance:** 8 ohms
- **Transformer Taps:** 50, 25, 12 W (128WT)
- **Components:** Low: 8 in (200 mm), High: 1 in (25 mm)
- **Optimum Air Cavity:** 8 in (200 mm)
- **Speaker Dimensions:** 334 x 257 x 110 mm
- **Net Weight (each):** 2.6 kg (5.5 lb)

---

1. Half-space (mounted in-wall or in ceiling)
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. Rated in Continuous Pink Noise for 100 hours.
Control® 300 Series represents the state of the art in large-format ceiling loudspeaker systems. True point-source coax designs, multiple power levels and transformer choices, plus an in-ceiling subwoofer, make it easy to fulfill any system performance requirements. Premium components include Kevlar-reinforced cones, low-saturation transformers and legendary JBL compression drivers. Advanced high-slope crossover networks, combined with low system distortion and smooth frequency response provides full, natural music along with exceptional speech intelligibility.

In these Control 300 coax models, the throat and cone combine to form a Constant Coverage waveguide which provides extraordinary broadband control, ensuring even coverage and consistent sound throughout the listening space. And Control 328 goes a step further with a 12” diameter waveguide, providing the pattern control of a 12” horn from an 8” driver. The EZ-Rail™ feature (on 12” models) provides a “helping hand” to hold one side of the loudspeaker in place while fastening it to a pre-installed back box. A multi-pin locking connector allows for easy pre-wiring and quick clip-in during installation.

ACCESSORIES: Premium accessories include best-in-class back boxes made of heavy 16 gauge metal and lined with 1/2” MDF, as well as contemporary grilles and an optional higher power transformer. Accessories include:

- **Control 328C/CT**
  - Rectangular Backbox
  - Premium 3 cu ft (28 cu l)
  - MTC-300BB12
  - Includes a pre-installed back box. A multi-pin locking connector allows for easy pre-wiring and quick clip-in during installation.

- **Control 321C/CT**
  - Rectangular Backbox
  - Premium 1 cu ft (28 cu l)
  - MTC-300BB8
  - Includes a pre-installed back box. A multi-pin locking connector allows for easy pre-wiring and quick clip-in during installation.

- **Control 322C/CT**
  - Rectangular Backbox
  - Premium 8 cu ft (28 cu l)
  - MTC-300BB12
  - Includes a pre-installed back box. A multi-pin locking connector allows for easy pre-wiring and quick clip-in during installation.

- **Control 312CS**
  - Rectangular Backbox
  - Premium 1 cu ft (28 cu l)
  - MTC-300BB8
  - Includes a pre-installed back box. A multi-pin locking connector allows for easy pre-wiring and quick clip-in during installation.

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Control 328C/CT</td>
<td>8” Coaxial Ceiling Loudspeaker with HF Compression Driver</td>
</tr>
<tr>
<td>Control 321C/CT</td>
<td>12” Coaxial Ceiling Loudspeaker with HF Compression Driver</td>
</tr>
<tr>
<td>Control 322C/CT</td>
<td>High-output 12” Coaxial Ceiling Loudspeaker</td>
</tr>
<tr>
<td>Control 312CS</td>
<td>12” In-Ceiling Subwoofer Loudspeaker</td>
</tr>
</tbody>
</table>

- **SYSTEM TYPE**
  - 8” Coaxial Ceiling Loudspeaker with HF Compression Driver
  - 12” Coaxial Ceiling Loudspeaker with HF Compression Driver
  - High-output 12” Coaxial Ceiling Loudspeaker
  - 12” In-Ceiling Subwoofer Loudspeaker

- **FREQUENCY RANGE (-10 dB)**
  - 45 Hz – 18 kHz
  - 34 Hz – 18 kHz
  - 30 Hz – 20 kHz
  - 30 Hz – 4.5 kHz

- **POWER CAPACITY**
  - 5.4 kg (12 lb) for C328CT
  - 7.3 kg (16 lb) for C321C/CT
  - 9.1 kg (20 lb) for C322C/CT
  - 10.0 kg (22 lb) for C312CS

- **DIMENSIONS**
  - 23.1 x 18.2 x 12.6 in
  - 16.3 x 16.3 x 0.4 in deep
  - 25.4 x 16.25 in
  - 25.4 x 16.25 in
  - 16.3 x 16.3 x 0.4 in deep
  - 5.4 kg (12 lb) for C328CT
  - 7.3 kg (16 lb) for C321C/CT
  - 9.1 kg (20 lb) for C322C/CT
  - 10.0 kg (22 lb) for C312CS

- **NET WEIGHT (each)**
  - 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).
Control® 200 Series

Medium Format Ceiling Speakers

**key features**

- 6.5” KEVLAR-REINFORCED LF
- 1” EXIT COMPRESSION DRIVER HF
- INTEGRATED & INDEPENDENT BACKCAN VERSIONS
- HIGH OUTPUT, PREMIUM SOUND QUALITY

Control 226C/T, 227C and 227CT are premium in-ceiling speakers designed to meet the increasing market demand for premium quality sound in ceiling-mount applications. The Control 200 Series loudspeakers incorporate breakthrough performance features such as best-in-class pattern control to provide a consistent sound throughout the listening area. Especially wide coverage allows fewer speakers to cover the space, reducing both the material and labor cost for the installation.

The high-power kevlar-reinforced 6.5 in (165 mm) low-frequency driver along with the titanium-diaphragm compression driver and the advanced-technology steep-slope crossover network provide superb, wide-bandwidth sound quality.

**specifications**

**CONTROL 226C/T**
- **Control 226C/T** is a compact, easy-to-install speaker with integrated backcan for blind-mounting into ceilings. It features a top-quality 60 W multi-tap transformer for 70V/100V line distribution systems. The transformer may be bypassed, allowing the Control 226C/T to be used as a low-impedance 8 ohm speaker.
- C-ring, tile rails and grille are included. This model is designed to be able to utilize the optional MTC-19NC new construction ring and MTC-19MR plaster-ring for new construction projects requiring pre-installation rings.

**CONTROL 227C & 227CT**
- **Assembly with Backcan and Grille.**

Control 200 models are available both in an independent backcan design (Control 227C & 227CT) and in an integrated backcan version (Control 226C/T).

**PREMIUM ACCESSORIES**

- **MTC-200BB6:** Backcan for Control 227C and 227CT. 13.3 inches (337 mm) max diameter x 8.1 inches (206 mm) deep.
- **MTC-RG6/8:** Round grille for Control 227C and 227CT. Also fits Control 328C & 328CT. 13.6 inches (345 mm) in diameter.
- **MTC-SG6/8:** Square grille for Control 227C and 227CT. Also fits Control 328C & 328CT. 13.4 inches (340 mm) x 13.4 inches (340 mm).
- **MTC-TB6/8:** Tile bridge for Control 227C and 227CT. Also fits Control 328C & 328CT.
- **MTC-19NC & MTC-19MR:** New-construction and mud rings fit Control 226 for new construction applications requiring pre-installation rings.
Control® 40 Series
Extended Performance Small Format Ceiling Speakers

The Control 40 Series Ceiling Speakers are designed to work perfectly in environments that require a premium, in-ceiling speaker with an extremely wide bandwidth and consistent coverage. Consisting of three 6.5” coaxial models, a 2.5” ultra-compact satellite speaker and in-ceiling subwoofer, the Control 40 Series can be configured in many different ways to accommodate a full range of applications in the field. JBL focused on ease-of-installation by including an integrated backcan, grille and tile rails (except Control 42C), locking 2-pin connectors and two knockouts. The Control 40 Series ceiling speakers are designed for use in air handling spaces.

CONTROL 47C/T
The Control 47C/T and Control 47LP are designed for applications that require extremely wide bandwidth and very consistent coverage. JBL’s RBI™ (Radiation Boundary Integrator®) allows for a seamless integration between the coaxially mounted tweeter and LF driver, resulting in consistent sound quality with little variation in the listening area.

CONTROL 47LP (Low Profile Backcan)
The Control 47LP is identical to the Control 47 but equipped with a shallower backcan for use in areas with restricted mounting depths.

CONTROL 47HC
The Control 47HC is designed for applications that require a narrow focused beamwidth pattern and very consistent coverage. The large backcan in combination with the LF driver design, provides extended bass response.

CONTROL 42C
The Control 42C is an ultra-compact in-ceiling satellite loudspeaker designed for use with the Control 40CS/T subwoofer. It offers an unobtrusive design which is ideal for a wide range of installations.

CONTROL 40CS/T
The Control 40CS/T is a direct radiating, high impact 8” subwoofer designed for powerful bass response in an in-ceiling loudspeaker. It features a built-in passive crossover network and 4 high-passed satellite outputs enabling it to be used as part of a subwoofer/satellite system.

---

**Specifications**

<table>
<thead>
<tr>
<th>System Type</th>
<th>Two-Way 6.5” Coaxial Ceiling Loudspeaker w/ Extended Bass</th>
<th>Two-Way 6.5” Coaxial Ceiling Low-Profile Loudspeaker</th>
<th>Two-Way 6.5” Coaxial Ceiling Loudspeaker for High Ceilings</th>
<th>2.5” Ultra-Compact In-Ceiling Satellite Loudspeaker</th>
<th>8” In-Ceiling Subwoofer with Crossover</th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency Range</td>
<td>55 Hz - 20 kHz</td>
<td>68 Hz - 20 kHz</td>
<td>55 Hz - 17 kHz</td>
<td>140 Hz - 20 kHz</td>
<td>32 Hz - 300 Hz</td>
</tr>
<tr>
<td>Power Capacity</td>
<td>150 W, 75 W</td>
<td>150 W, 75 W</td>
<td>150 W, 75 W</td>
<td>140 Hz, 70 Hz</td>
<td>200 W</td>
</tr>
<tr>
<td>Nominal Sensitivity</td>
<td>120° conical</td>
<td>120° conical</td>
<td>120° conical</td>
<td>160° conical</td>
<td>100 W</td>
</tr>
<tr>
<td>Rated Impedance</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
<td>8 ohms</td>
</tr>
<tr>
<td>Transformer Taps</td>
<td>60 W, 30 W, 15 W, (6.7.5 W @70 V)</td>
<td>60 W, 30 W, 15 W, (6.7.5 W @70 V)</td>
<td>60 W, 30 W, 15 W, (6.7.5 W @70 V)</td>
<td>2 ½ in (60 mm)</td>
<td>80, 40, 20 (6.10W @70V)</td>
</tr>
<tr>
<td>Components: Low freq.</td>
<td>Formed steel backcan</td>
<td>Formed steel backcan</td>
<td>Formed steel backcan</td>
<td>Formed steel backcan</td>
<td>8 in (200 mm)</td>
</tr>
<tr>
<td>Enclosure</td>
<td>1 in (25 mm)</td>
<td>1 in (25 mm)</td>
<td>1 in (25 mm)</td>
<td>1 ½ in (38 mm)</td>
<td>Formed steel backcan</td>
</tr>
<tr>
<td>Dimensions</td>
<td>305 x 259 mm</td>
<td>305 x 142 mm</td>
<td>332 x 351 mm</td>
<td>332 x 351 mm</td>
<td>332 x 338 mm</td>
</tr>
<tr>
<td>Net Weight (each)</td>
<td>5 kg (11 lb)</td>
<td>4.3 kg (9.5 lb)</td>
<td>6.4 kg (14 lb)</td>
<td>6.8 kg (15 lb)</td>
<td>8.1 kg (17.9 lb)</td>
</tr>
</tbody>
</table>
Control® Contractor

Premium Small Format Ceiling Speakers

key features

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

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 UL 1480 and UL2043. 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).

CONTROL 24C/CT MICRO AND CONTROL 24CT MICROPLUS

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

CONTROL 24C/CT AND CONTROL 26C/CT

The Control 24C contains a coaxially mounted 4” woofer and 3⁄4” titanium-coated tweeter, providing high-fidelity sound over a wide coverage area. The Control 24CT is available in black (C24C/CT-BK). The Control 26C contains a coaxially mounted 6 1⁄2” woofer and 3⁄4” titanium-coated tweeter, able to deliver maximum sound level over a defined area. The Control 26CT-LS is certified for use in fire alarm and voice evacuation systems.

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.

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.

specifications

- **FREQUENCY RANGE (-10dB)**
- **POWER CAPACITY: PROGRAM**
- **PINK**
- **NOMINAL IMPEDANCE**
- **TRANSFORMER TAPS:** 100V

- **COMPONENTS:** LowFreq., HighFreq., Enclosure
- **DIMENSIONS (H x W x D):**
- **NET WEIGHT (each):**

---

1. Half-space (mounted in-wall or in-ceiling)
2. Continuous Program Power, which is a conservative expression of the system’s ability to handle normal speech and music program material
3. Rated in Continuous Pink Noise for 100 hours.

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).
8100 Series

Sculpted Grille Dual-Cone Ceiling Speakers

key features

- High sensitivity for maximum power efficiency
- 6W transformer for use on 70V/100V distributed lines
- 8124 & 8128—Open-back design for applications not requiring an in-ceiling backcan
- 8128—Pre-install backcan design

The 8124 and 8128 Ceiling Speakers are designed for fast and easy installation with built-in dog-ears for easy installations, light weight and open-back design for applications not requiring an in-ceiling backcan.

The 8124 (4-inch (100 mm) full-range loudspeaker) and the 8-inch (200 mm) full-range loudspeakers feature high sensitivity drivers that deliver maximum sound levels using minimal amplifier power. (8128/8130 shown)

70V/100V taps for ease-of-use in the field. For additional installation help, accessories such as the MTC-RAIL tile rail sets and C-Rings are available separately.

Specifications

<table>
<thead>
<tr>
<th>8124</th>
<th>8128</th>
<th>8138</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>SYSTEM TYPE</strong></td>
<td>100 mm (4 in) Full-Range</td>
<td>200 mm (8 in) Full-Range</td>
</tr>
<tr>
<td><strong>FREQUENCY RANGE (-10dB)</strong></td>
<td>60 Hz – 18 kHz</td>
<td>50 Hz – 16 kHz</td>
</tr>
<tr>
<td><strong>DRIVER POWER CAPACITY</strong></td>
<td>20 W</td>
<td>25 W</td>
</tr>
<tr>
<td><strong>NOMINAL DISPERSION</strong></td>
<td>130° conical</td>
<td>90° conical</td>
</tr>
<tr>
<td><strong>NOMINAL SENSITIVITY 1 W, 1 m</strong></td>
<td>93 dB (1 kHz – 8 kHz)</td>
<td>97 dB (1 kHz – 8 kHz)</td>
</tr>
<tr>
<td><strong>NOMINAL IMPEDANCE</strong></td>
<td>8 ohms</td>
<td>8 ohms</td>
</tr>
<tr>
<td><strong>TRANSFORMER TAPS: 100V 70.7 V</strong></td>
<td>6 W, 3 W, 1.5 W</td>
<td>6 W, 3 W, 1.5 W, 0.75 W</td>
</tr>
<tr>
<td><strong>DIMENSIONS (DIA. x DEPTH)</strong></td>
<td>206 mm (8.1 in) diameter round baffle x 89 mm (3.5 in) depth from back of baffle</td>
<td>287 mm (11.3 in) diameter round baffle x 104 mm (4.1 in) depth from back of baffle</td>
</tr>
<tr>
<td><strong>BACKCAN</strong></td>
<td>Open-back, no backcan</td>
<td>Open-back, no backcan</td>
</tr>
<tr>
<td><strong>CUTOUT DIMENSION</strong></td>
<td>175 mm diameter (6.9 in)</td>
<td>256 mm diameter (10.1 in)</td>
</tr>
<tr>
<td><strong>NET WEIGHT (each)</strong></td>
<td>1.2 kg (2.5 lb)</td>
<td>1.4 kg (3.0 lb)</td>
</tr>
</tbody>
</table>

High sensitivity at a cost-effective price point, the 8100 Series is an easy to install loudspeaker solution for a wide variety of commercial sound applications. With its contemporary grill design, the 8100 Series loudspeakers are ideal for a variety of settings ranging from restaurant and retail settings to professional offices and reception areas. All models feature 70V/100V taps.

8124

The 8124 is a 4-inch (100 mm) full-range loudspeaker, featuring a high sensitivity driver that provides 130° conical coverage in a lightweight (2.5 lb) package.

8128

The 8128 is an 8-inch (200 mm) full-range loudspeaker, featuring a high sensitivity driver that provides 90° conical coverage in a lightweight (3.0 lb) package.

8138

The 8138 is an 8-inch (200 mm) full-range loudspeaker designed for use with a pre-install in-ceiling backcan, resulting in high sensitivity performance at a cost effective price point.

ACCESSORIES

Because of the very light weight of 8124 and 8128, tile rails may not be required for some in-ceiling applications. They are not packaged with these models, however MTC-RAIL tile rail sets and MTC-8124C and MTC-8128C C-Rings are available separately. The 8138 is designed for use with MTC-81BB8 backcan and MTC-81TB8 tile bridge.
Commercial Series

JBL introduces the new Commercial Series affordable ceiling loudspeakers that provide excellent performance for paging and background music applications including retail stores, restaurants, schools and other public facilities. High sensitivity provides maximum sound level even at low tap settings, and wide dispersion ensures excellent coverage. Triple voltage transformers (100V, 70V and 25V) are compatible with any distributed speaker system, and the Commercial Series meets UL1480 and UL2043 requirements for use in plenum ceiling spaces.

CSS8004, CSS8008 and CSS8018

The drivers all feature a full 25 mm (1 in) diameter voice coil with a Kapton™ coil-former and high-temperature wire for superior power dissipation and long-term reliability. The driver, grille and transformer come pre-assembled for ease of installation. Accessories include matching Commercial Series pre-install back cans and tile rails.

ACCESSORIES

MTC-BB4: Pre-install backcan for CSS8004
MTC-BB8: Pre-install backcan for CSS8008 and CSS8018
MTC-TR4/8: Tile rails for CSS-BR4 and CSS-BR8 backcans

specifications

<table>
<thead>
<tr>
<th>CSS8004</th>
<th>CSS8008</th>
<th>CSS8018</th>
</tr>
</thead>
<tbody>
<tr>
<td>DRIVER SIZE (DUAL CONE)</td>
<td>100 mm (4 in)</td>
<td>200 mm (8 in)</td>
</tr>
<tr>
<td>DRIVER SENSITIVITY (MID-RANGE)</td>
<td>90 dB</td>
<td>96 dB</td>
</tr>
<tr>
<td>FREQUENCY RANGE (-10 dB)</td>
<td>85 Hz – 18 kHz</td>
<td>55 Hz – 14 kHz</td>
</tr>
<tr>
<td>DRIVER /GRILLE ASSEMBLY INSTALLED IN CSS-BB BACKCAN COVERAGE</td>
<td>175°</td>
<td>130°</td>
</tr>
<tr>
<td>DRIVER POWER HANDLING 1</td>
<td>5 W, 2.5 W, 1.3 W</td>
<td>5 W, 2.5 W, 1.3 W</td>
</tr>
<tr>
<td>TRANSFORMER TAPS: 100V</td>
<td>5 W, 2.5 W, 1.3 W</td>
<td>10 W, 5 W, 2.5 W</td>
</tr>
<tr>
<td>70.7 V</td>
<td>5 W, 2.5 W, 1.3 W</td>
<td>5 W, 2.5 W, 1.3 W</td>
</tr>
<tr>
<td>25 V</td>
<td>5 W, 2.5 W, 1.3 W</td>
<td>1.3 W</td>
</tr>
<tr>
<td>MATCHING CSS BACKCAN CSS-BB4</td>
<td>CSS-BB8 (0.15 cu ft)</td>
<td>CSS-BB8 (0.15 cu ft)</td>
</tr>
<tr>
<td>CUTOUT DIAMETER: OPEN BACK</td>
<td>125 mm (5.0 in)</td>
<td>216 mm (8.5 in)</td>
</tr>
<tr>
<td>CUTOUT DIAMETER: IN CSS-BB BACKCAN</td>
<td>170 mm (6.7 in)</td>
<td>205 mm (11.7 in)</td>
</tr>
<tr>
<td>DEPTH (BEHIND GRILLE)</td>
<td>94 mm (3.7 in)</td>
<td>71 mm (2.8 in)</td>
</tr>
<tr>
<td>GRILLE DIAMETER</td>
<td>198 mm (7.8 in)</td>
<td>327 mm (12.9 in)</td>
</tr>
<tr>
<td>NET WEIGHT (each)</td>
<td>0.90 kg (1.0 lb)</td>
<td>1.27 kg (2.8 lb)</td>
</tr>
</tbody>
</table>

1Continuous Pink Noise Rating (IEC-shaped pink noise with a 6-dB crest factor, for 100 hrs continuously), 2.83V input level.
Cone Transducers & Compression Drivers

Manufacturing our own component transducers has historically set JBL apart from most other loudspeaker system manufacturers, and some of our numerous component transducers are available as sales models. All low-frequency units and compression drivers have been pre-qualified during the design phase with JBL’s rigorous 100-hour ‘torture test’. Units shown are legendary workhorses, often purchased in quantity for use in custom system designs.

VGC™ SERIES CONE TRANSDUCERS
MODELS: 2260H, 2226H/J, 2241H
These low-frequency transducers incorporate JBL’s patented Vented Gap Cooling technology in an improved Symmetrical Field Geometry (SFG) magnet structure. 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.

SVG™ SERIES CONE TRANSDUCERS
Low-Frequency Maximum Output Transducers MODEL: 2242H
The 2242H low-frequency transducer incorporates JBL’s patented Super Vented Gap™ technology for minimizing power compression.

25 mm - 1” EXIT COMPRESSION DRIVER
(44 mm - 1 1/4” Diaphragm)
The JBL 2426H/J incorporates JBL’s titanium diamond diaphragm for ruggedness and outstanding frequency response.

38 mm - 1 1/2” EXIT COMPRESSION DRIVER
(100 mm - 4” Diaphragm)
The 38 mm exit on the 2451H/J compression driver allows the Coherent Wave™ phasing plug to directly couple with Optimized Aperture™ Bi-Radial® horns for lower distortion and better coverage control. The large format 100 mm (4 in) diaphragm design includes JBL’s exclusive three dimensional diamond pattern which increases the driver’s output in the 5 kHz to 20 kHz range when combined with the Coherent Wave phasing plug.

49 mm - 2” EXIT COMPRESSION DRIVER
(100 mm - 4” Diaphragm)
The 2450H/J uses the optimized configuration of the Coherent Wave phasing plug design, offering coherent summation of acoustical power up to much higher frequencies than previous designs. It also 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.

Specifications

<table>
<thead>
<tr>
<th>Transducer</th>
<th>Nominal Diameter</th>
<th>Rated Impedance</th>
<th>Power Capacity</th>
<th>Sensitivity, 1 W, 1 m</th>
<th>Frequency Range (-10 dB)</th>
<th>Highest Crossover</th>
<th>Voice Coil Diameter</th>
<th>Voice Coil Material</th>
<th>Half Space Reference Efficiency</th>
<th>Net Weight (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2260H/J</td>
<td>300 mm (12 in)</td>
<td>8 ohms</td>
<td>600 W</td>
<td>95 dB SPL</td>
<td>45 Hz - 3.5 kHz</td>
<td>1500 Hz</td>
<td>100 mm (4 in)</td>
<td>Edgewound Aluminum ribbon</td>
<td>2.5%</td>
<td>7.8 kg (17.1 lb)</td>
</tr>
<tr>
<td>2226H/J</td>
<td>380 mm (15 in)</td>
<td>8 ohms (H); 16 ohms (J)</td>
<td>600 W</td>
<td>97 dB SPL</td>
<td>30 Hz - 2.5 kHz</td>
<td>1200 Hz</td>
<td>100 mm (4 in)</td>
<td>Edgewound Aluminum ribbon</td>
<td>3.3%</td>
<td>8.7 kg (19.25 lb)</td>
</tr>
<tr>
<td>2241H</td>
<td>460 mm (18 in)</td>
<td>8 ohms</td>
<td>600 W</td>
<td>98 dB SPL</td>
<td>30 Hz - 3 kHz</td>
<td>800 Hz</td>
<td>100 mm (4 in)</td>
<td>Edgewound Aluminum ribbon</td>
<td>2.9%</td>
<td>10.7 kg (23.5 lb)</td>
</tr>
<tr>
<td>2242H</td>
<td>460 mm (18 in)</td>
<td>8 ohms</td>
<td>1000 W</td>
<td>99 dB SPL</td>
<td>25 Hz - 1.6 kHz</td>
<td>1.0 kHz</td>
<td>100 mm (4 in)</td>
<td>Edgewound Aluminum ribbon</td>
<td>4%</td>
<td>13.2 kg (29 lb)</td>
</tr>
<tr>
<td>2426H/J</td>
<td>4.5 kg (10 lb)</td>
<td>8 ohms</td>
<td>7.8 kg (19.25 lb)</td>
<td>1.9 T (19,000 gauss)</td>
<td>1.0 kHz</td>
<td>30 Hz - 3 kHz</td>
<td>100 mm (4 in)</td>
<td>Edgewound Aluminum ribbon</td>
<td>2.9%</td>
<td>10.7 kg (23.5 lb)</td>
</tr>
<tr>
<td>2451H/J</td>
<td>8 kg (17.6 lb)</td>
<td>8 ohms</td>
<td>10.7 kg (23.5 lb)</td>
<td>1.9 T (19,000 gauss)</td>
<td>1.0 kHz</td>
<td>30 Hz - 2.5 kHz</td>
<td>100 mm (4 in)</td>
<td>Edgewound Aluminum ribbon</td>
<td>4%</td>
<td>13.2 kg (29 lb)</td>
</tr>
<tr>
<td>2450H/J</td>
<td>10.7 kg (23.5 lb)</td>
<td>8 ohms</td>
<td>12 kg (26.4 lb)</td>
<td>1.9 T (19,000 gauss)</td>
<td>1.0 kHz</td>
<td>30 Hz - 2.5 kHz</td>
<td>100 mm (4 in)</td>
<td>Edgewound Aluminum ribbon</td>
<td>4%</td>
<td>13.2 kg (29 lb)</td>
</tr>
</tbody>
</table>

Notes:
1. AES standard (50 - 500 Hz)
2. Based on a swept 100 to 500 Hz signal.
3. Based on a swept 100 to 500 Hz signal.
4. Based on a swept 500 Hz to 2.5 kHz signal.

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.

1 W is 2.83 V @ 8 ohms, 4.0V @ 16 ohms.

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

**Optimized Aperture Mid-Size Bi-Radial® Horn**
Model: 2352

The Optimized Aperture Mid-Size Bi-Radial Horn 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.

**Specifications**

- **Throat Size**: 38 mm (1.5 in)
- **Accepts JBL Drivers**: 2447H/J, 2451H/J
- **Nominal Dispersion**: 90° H x 40° V
- **Directivity Factor (Q)**: (Averaged) 13
- **Directivity Index (DI)**: (Averaged) 11
- **Usable Low Freq. Limit**: 500 Hz
- **Min. Recommended Crossover**: 500 Hz @ 18 dB/oct min.
- **Axial Pressure Sensitivity**: 112 dB
- **Construction**: Fiberglass reinforced plastic
- **Mouth: Height**: 457 mm (18 in)
- **Width**: 559 mm (22 in)
- **Length**: 254 mm (10 in)
- **Net Weight (each)**: 2.2 kg (6 lb)

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**Flat-Front Bi-Radial® Horns**
Models: 2370A, 2380A, 2382A, 2385A

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.

**Specifications**

- **Throat Size**: 25 mm (1 in)
- **Accepts JBL Drivers**: 2426H/J
- **Nominal Dispersion**: 90° H x 40° V
- **Directivity Factor (Q)**: (Averaged) 10.9
- **Usable Low Freq. Limit**: 500 Hz
- **Min. Recommended Crossover**: 630 Hz @ 10 dB
- **Axial Pressure Sensitivity**: 112 dB
- **Construction**: High density solid polyurethane
- **Mouth: Height**: 173 mm (6.81 in)
- **Width**: 445 mm (17.5 in)
- **Length**: 174 mm (6.84 in)
- **Net Weight (each)**: 1.4 kg (3 lb)

- **Throat Size**: 49 mm (2 in)
- **Accepts JBL Drivers**: 2446H/J, 2450H/J, 2485J
- **Nominal Dispersion**: 60° H x 40° V
- **Directivity Factor (Q)**: (Averaged) 19
- **Usable Low Freq. Limit**: 400 Hz
- **Min. Recommended Crossover**: 500 Hz
- **Axial Pressure Sensitivity**: 114 dB
- **Construction**: Molded structural foam
- **Mouth: Height**: 279 mm (11 in)
- **Width**: 445 mm (17.5 in)
- **Length**: 236 mm (9.28 in)
- **Net Weight (each)**: 1.62 kg (3.5 lb)

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**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.
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.
Ultra High Power Large Format ScreenArray®

The 5742 four-way and 5732 three-way Ultra High Power ScreenArray speakers provide extreme power for large format cinemas and are designed as the ideal loudspeaker system to enhance the 3-D visual experience. Both systems feature a 150 watt, 4" titanium diaphragm high frequency driver on JBL’s patented Optimized Aperture waveguide.

**5742**

The **5742 Quad-Amplified System** features true 4 way design with a quad midrange array of four 8" Differential Drive® cone midrange drivers providing 1400 Watts of smooth coverage coupled with a dual 18" low frequency section providing 1600 Watts of high impact power.

**5732**

The **5732 Tri-Amplified System** is ideal for premier cinemas and post production facilities requiring enhanced power and headroom. The 5732 features a powerful 700 watt midrange section with dual 8" Differential Drive transducers. The low frequency section provides 1200 watts of power from dual 15" Vented Gap Cooled low frequency drivers.

---

**key features**

- THX® APPROVED
- ULTRA HIGH POWER FOR LARGE CINEMAS
- BOTH 3-WAY AND 4-WAY SPEAKERS

---

**specifications**

<table>
<thead>
<tr>
<th>Frequency Range</th>
<th>5742</th>
<th>5732</th>
</tr>
</thead>
<tbody>
<tr>
<td>25 Hz - 20 kHz</td>
<td>25 Hz - 20 kHz</td>
<td></td>
</tr>
<tr>
<td>30 Hz - 19 kHz</td>
<td>30 Hz - 19 kHz</td>
<td></td>
</tr>
<tr>
<td>90° horizontal x 20° up</td>
<td>90° horizontal x 20° up</td>
<td></td>
</tr>
<tr>
<td>30° down</td>
<td>30° down</td>
<td></td>
</tr>
<tr>
<td>115 dB</td>
<td>115 dB</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Crossover Frequencies:</th>
</tr>
</thead>
<tbody>
<tr>
<td>220 Hz, 550 Hz, 1.3 kHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drivers:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
</tr>
<tr>
<td>MF</td>
</tr>
<tr>
<td>HF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Elements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF, MF, HF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions (H x W x D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2763 x 762 x 610 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>128.1 kg (281 lb)</td>
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</tbody>
</table>

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<table>
<thead>
<tr>
<th>Frequency Response (±3 dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>20 Hz - 19 kHz</td>
</tr>
<tr>
<td>90° horizontal x 20° up</td>
</tr>
<tr>
<td>30° down</td>
</tr>
<tr>
<td>100 dB</td>
</tr>
<tr>
<td>LF: 1200 W, MF: 700 W, HF: 150 W</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Crossover Frequencies:</th>
</tr>
</thead>
<tbody>
<tr>
<td>250 Hz, 1.3 kHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Drivers:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF</td>
</tr>
<tr>
<td>MF</td>
</tr>
<tr>
<td>HF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>System Elements:</th>
</tr>
</thead>
<tbody>
<tr>
<td>LF, MF, HF</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dimensions (H x W x D)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1937 x 762 x 450 mm</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Net Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>86 kg (190 lb)</td>
</tr>
</tbody>
</table>
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-amped 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**
- **Frequency Range:** 35 Hz - 16 kHz (-10 dB)
- **Frequency Response:** 45 Hz - 12.5 kHz (± 3 dB)
- **Coverage Angles (H x V):** 80° x 45° (300 Hz - 16 kHz)
- **Directivity Factor (Q):** 10.4
- **Directivity Index (DI):** 11
- **Max. Peak Output:** 137/140/137 dB @ 1 m
- **Crossover Frequency:** 297 Hz
- **Sensitivity:** 100/114/112 dB
- **Nominal Impedance:** 4/8/8 ohms
- **LF Driver:** 2 x 2226H
- **MF/HF Driver:** 2451H/2352
- **HF Driver:** 4648A
- **Dimensions:** 2768.8 x 1118 x 863.6 mm (109 x 44 x 34 in)
- **Net Weight (Each):** 87.3 kg (192.5 lb)

**5674**
- **Frequency Range:** 35 Hz - 16 kHz (-10 dB)
- **Frequency Response:** 45 Hz - 12.5 kHz (± 3 dB)
- **Coverage Angles (H x V):** 80° x 45° (300 Hz - 16 kHz)
- **Directivity Factor (Q):** 10.4
- **Directivity Index (DI):** 11
- **Max. Peak Output:** 143/140/137 dB @ 1 m
- **Crossover Frequency:** 297 Hz
- **Sensitivity:** 103/114/112 dB
- **Nominal Impedance:** 4 (per driver pair) /8/8 ohms
- **LF Driver:** 4 x 2226H (2 pair in parallel)
- **MF/HF Driver:** 2451H/2352
- **HF Driver:** 5644
- **Dimensions:** 2895.6 x 1118 x 863.6 mm (114 x 44 x 34 in)
- **Net Weight (Each):** 171.69 kg (378.5 lb)
ScreenArray® Series

With the advent of digital cinema, today’s cinema patron is even more demanding of perfect coverage in every seat of the auditorium, wide dynamic range and extended bandwidth and inaudible levels of distortion. Continuing to provide cinema exhibition venues and post production facilities with unprecedented audio performance and advanced technology, JBL introduced the “Next Generation” of its award winning ScreenArray® digital cinema loudspeakers.

The “Next Generation” ScreenArray systems feature a new large format 3”, neodymium, titanium diaphragm, high-frequency driver for ultra-high performance. The new high-frequency driver is coupled with a new patented high-frequency horn featuring Screen Spreading Compensation™ to correct for high frequency dispersion through perforated screens. The new low-frequency section features the patented Differential Drive®, Direct Cooled™, 15” woofers for improved power handling and reduced distortion. Each of the new systems have improved, patented, crossover design and new Optimized Aperture Waveguides.

Since their introduction, JBL ScreenArray systems have become the choice for premium cinemas throughout the world. With significant improvements in performance and design, the new ScreenArray systems will continue to be the most popular cinema loudspeakers throughout the world.

JBL offers two ScreenArray systems to meet the challenges posed by lower cost installations. All systems products provide ultra smooth and accurate sound reproduction in a compact and highly cost effective system. The 3722N Passive system and 3722 Bi-amplified system, the 4722N Passive system and the 4722 Bi-amplified system feature feature the ultra-low distortion ScreenArray high frequency horn with SSC and dual 15” low-frequency sections.

### 3722/3722N
The 3722 and 3722N provide smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective passive system.

- The system is comprised of two parts: the 3722-HF high-frequency pack and the 3739 low-frequency system.
- The ScreenArray horn features a patented 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.

### 4722/4722N
The 4722 and 4722N provide smooth and accurate reproduction of cinema soundtracks in a compact and very cost effective system.

- The system is comprised of two parts: the 4722-HF high-frequency pack and the 4739 low-frequency system. The 4722N passive system utilizes a sophisticated crossover network. Developed using computer optimization technology, it provides seamless transition resulting in excellent power response and controlled directivity.

---

**Specifications**

<table>
<thead>
<tr>
<th>3722/3722N</th>
<th>4722/4722N</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Frequency Range</strong></td>
<td>30 Hz - 18 kHz</td>
</tr>
<tr>
<td><strong>Frequency Response</strong></td>
<td>40 Hz - 16 kHz</td>
</tr>
<tr>
<td><strong>Coverage Angles</strong></td>
<td>90° horizontal, -30°, +20° vertical</td>
</tr>
<tr>
<td><strong>Rated Maximum SPL</strong></td>
<td>127 dB, @ 1 m</td>
</tr>
<tr>
<td><strong>Crossover Frequencies</strong></td>
<td>133 dB peak</td>
</tr>
<tr>
<td><strong>Sensitivity</strong></td>
<td>11300 Hz</td>
</tr>
<tr>
<td><strong>Nominal Impedance</strong></td>
<td>130 dB, @ 1 m</td>
</tr>
<tr>
<td><strong>Drivers</strong></td>
<td>LF 104 dB</td>
</tr>
<tr>
<td><strong>HF 3722-HF: 8 ohm</strong></td>
<td>3722N: HF 8 ohm</td>
</tr>
<tr>
<td><strong>HF 3722-N/HF: 4 ohm</strong></td>
<td>4722: 8VFS</td>
</tr>
<tr>
<td><strong>Drivers</strong></td>
<td>LF 2 x 115-8A</td>
</tr>
<tr>
<td><strong>HF 2418H-1</strong></td>
<td>2 x 265H</td>
</tr>
<tr>
<td><strong>System Elements</strong></td>
<td>3739</td>
</tr>
<tr>
<td><strong>Dimensions</strong></td>
<td>3722-HF (3722-HF)</td>
</tr>
<tr>
<td>(H x W x D)</td>
<td>126 x 762 x 450 mm</td>
</tr>
<tr>
<td><strong>Net Weight</strong></td>
<td>49.8 x 30 x 17.75 in</td>
</tr>
<tr>
<td><strong>Net Weight</strong></td>
<td>137 lb</td>
</tr>
<tr>
<td><strong>Net Weight</strong></td>
<td>62.2 kg</td>
</tr>
</tbody>
</table>
**ScreenArray Series**

**Key Features**
- Designed for maximum output, optimal coverage, and minimum distortion
- THX® approved (4732-T, 3732-T and 3731-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 (17 3/4")

The ScreenArray Series 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 3731, 3732 and 4732 ScreenArray Series systems are available for bi-amplified or tri-amplified operation.

### Specifications

<table>
<thead>
<tr>
<th><strong>Model</strong></th>
<th><strong>Frequency Range</strong></th>
<th><strong>Freq Response (± 3 dB)</strong></th>
<th><strong>Coverage Angles</strong></th>
<th><strong>Directivity Factor (Q)</strong></th>
<th><strong>Directivity Index (DI)</strong></th>
<th><strong>Max. Peak Output</strong></th>
<th><strong>Crossover Frequencies</strong></th>
<th><strong>Sensitivity</strong></th>
<th><strong>Nominal Impedance</strong></th>
<th><strong>Drivers</strong></th>
<th><strong>Dimensions</strong></th>
<th><strong>Net Weight (Each)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>4731-T</td>
<td>30 Hz - 20 kHz</td>
<td>40 Hz - 19 kHz</td>
<td>90° x 20° up, 30° down</td>
<td>10.0</td>
<td>10 dB</td>
<td>125 dB @ 1 m</td>
<td>350 Hz [1.2 kHz]</td>
<td>103 dB</td>
<td>4 ohms</td>
<td>2 x 265H</td>
<td>2427 x 762 x 450 mm</td>
<td>95.6 x 30 x 17.75 in</td>
</tr>
<tr>
<td>3732-T</td>
<td>30 Hz - 20 kHz</td>
<td>40 Hz - 19 kHz</td>
<td>90° x 20° up, 30° down</td>
<td>10.0</td>
<td>10 dB</td>
<td>125 dB @ 1 m</td>
<td>350 Hz [1.2 kHz]</td>
<td>103 dB</td>
<td>8 ohms</td>
<td>2 x 265H</td>
<td>2427 x 762 x 450 mm</td>
<td>95.6 x 30 x 17.75 in</td>
</tr>
<tr>
<td>4732-T</td>
<td>30 Hz - 20 kHz</td>
<td>40 Hz - 19 kHz</td>
<td>90° x 20° up, 30° down</td>
<td>10.0</td>
<td>10 dB</td>
<td>125 dB @ 1 m</td>
<td>350 Hz [1.2 kHz]</td>
<td>103 dB</td>
<td>8 ohms</td>
<td>2 x 265H</td>
<td>2427 x 762 x 450 mm</td>
<td>95.6 x 30 x 17.75 in</td>
</tr>
</tbody>
</table>

Academy of Television Arts and Sciences
North Hollywood, California
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 1 1/2” 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.

Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Range</th>
<th>Power Capacity</th>
<th>Coverage Angles (H x V)</th>
<th>Crossover Frequency</th>
<th>Sensitivity: 1 W, 1 m</th>
<th>Nominal Impedance</th>
<th>LF Driver(s)</th>
<th>HF Driver</th>
<th>Horn</th>
<th>System Elements: LF</th>
<th>System Elements: HF</th>
<th>Dimensions (H x W x D)</th>
<th>Net Weight (Each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3677</td>
<td>40 Hz - 20 kHz (-10 dB)</td>
<td>250 W</td>
<td>90° x 40°</td>
<td>1.2 kHz</td>
<td>90° x 90°</td>
<td>1 kHz</td>
<td>96 dB SPL</td>
<td>8 ohms</td>
<td>2035H</td>
<td>4638TH</td>
<td>(All-in-one enclosure)</td>
<td>765 x 651 x 292 mm</td>
<td>30.125 x 25.625 x 11.5 in</td>
</tr>
<tr>
<td>3678</td>
<td>30 Hz - 12 kHz (-3 dB)</td>
<td>300 W</td>
<td>90° x 90°</td>
<td>1 kHz</td>
<td>90° x 40°</td>
<td>1 kHz</td>
<td>96 dB SPL</td>
<td>8 ohms</td>
<td>2265H</td>
<td>2425HS</td>
<td>2373</td>
<td>3678-LF</td>
<td>3678-HF</td>
</tr>
<tr>
<td>4670D</td>
<td>35 Hz - 20 kHz (-10 dB)</td>
<td>600 W</td>
<td>90° x 40°</td>
<td>1 kHz</td>
<td>90° x 40°</td>
<td>1 kHz</td>
<td>100 dB SPL</td>
<td>4 ohms</td>
<td>2 x 2035H</td>
<td>4638TH</td>
<td>2360B W/2506C</td>
<td>1289 x 673 x 438 mm</td>
<td>50.75 x 26.5 x 17.25 in</td>
</tr>
<tr>
<td>4675C</td>
<td>35 Hz - 20 kHz (-10 dB)</td>
<td>1200 W (LF) 100 W (HF)</td>
<td>100° x 40°</td>
<td>500 Hz</td>
<td>100° x 40°</td>
<td>500 Hz</td>
<td>100 dB SPL</td>
<td>4 ohms</td>
<td>2 x 2035H</td>
<td>4638TH</td>
<td>4675C-HFA</td>
<td>1797 x 770 x 949 mm</td>
<td>70.75 x 30.312 x 37.375 in</td>
</tr>
<tr>
<td>4675C-4LF/4675C-8LF</td>
<td>35 Hz - 20 kHz (-10 dB)</td>
<td>600 W</td>
<td>90° x 40°</td>
<td>1 kHz</td>
<td>90° x 40°</td>
<td>1 kHz</td>
<td>100 dB SPL</td>
<td>4 ohms</td>
<td>2 x 2035H</td>
<td>4638TH</td>
<td>4675C-HFA</td>
<td>1797 x 770 x 949 mm</td>
<td>70.75 x 30.312 x 37.375 in</td>
</tr>
</tbody>
</table>

Key features:
- Maximum Value, Minimal Set-Up and Installation
- Smooth, Even Coverage
- 3678, 4675C-8LF Approved for THX® Installations

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.

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.
### Surround Systems

#### key features
- Designed for small, medium, large and very large venues
- Smooth, even coverage
- THX® approved

#### 8320
The 8320 features a 200 mm (8 in) low frequency driver and a 25 mm (1 inch) soft dome driver combined with internal Thermomaster® technology allowing for 150 watts of power. The two-way 8320 reliability and performance position this surround as the ideal low cost, compact choice for today’s digital theatre.

#### 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.

#### 8350
The 8350 Surround offers very high power handling, high sensitivity, and extended bass response required for the extended dynamic range required by today’s digital cinemas. The 8350 features a high power long-throw 250 mm (10 in) low frequency driver and a high frequency 38 mm (1.5 in) coil diameter compression driver.

#### Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Range</th>
<th>Frequency Response</th>
<th>Power Capacity</th>
<th>Coverage Angles (H x V)</th>
<th>Crossover Frequency</th>
<th>Sensitivity: 1 W, 1 m</th>
<th>Nominal Impedance</th>
<th>Drivers: LF</th>
<th>MF</th>
<th>HF</th>
<th>Dimensions (H x W x D)</th>
<th>Net Weight (Each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8320</td>
<td>50 Hz - 20 kHz (-10 dB)</td>
<td>65 Hz - 18 kHz (+3 dB)</td>
<td>150 W</td>
<td>100° x 90°</td>
<td>3 kHz</td>
<td>94 dB</td>
<td>8 ohms</td>
<td>200 mm (8 in)</td>
<td>25 mm (1 in)</td>
<td>406 x 343 x 224 mm</td>
<td>5 kg (11 lb)</td>
<td></td>
</tr>
<tr>
<td>8340A</td>
<td>45 Hz - 18 kHz (-10 dB)</td>
<td>70 Hz - 16 kHz (+3 dB)</td>
<td>250 W</td>
<td>100° x 60°</td>
<td>2.2 kHz</td>
<td>96 dB</td>
<td>8 ohms</td>
<td>250 mm (10 in)</td>
<td>25 mm (1 in) exit</td>
<td>457 x 457 x 260 mm</td>
<td>18 x 18 x 10.25 in</td>
<td>8.6 kg (19 lb)</td>
</tr>
<tr>
<td>8350</td>
<td>60 Hz - 19 kHz (-10 dB)</td>
<td>75 Hz - 17 kHz (+3 dB)</td>
<td>350 W</td>
<td>100° x 60°</td>
<td>2 kHz</td>
<td>99 dB</td>
<td>8 ohms</td>
<td>250 mm (10 in)</td>
<td>25 mm (1 in) exit</td>
<td>457 x 457 x 260 mm</td>
<td>18 x 18 x 10.25 in</td>
<td>9.5 kg (21 lb)</td>
</tr>
</tbody>
</table>

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

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Mann Grauman’s Chinese Theatre: Hollywood, California
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. Also available with grilles.

**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

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Range (-10 dB)</th>
<th>Frequency Response (± 3 dB)</th>
<th>Power Capacity</th>
<th>Crossover Frequency</th>
<th>Sensitivity: 1 W, 1 m</th>
<th>Nominal Impedance</th>
<th>LF Driver(s)</th>
<th>Dimensions (H x W x D)</th>
<th>Net Weight (Each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>3635</td>
<td>28 Hz - 500 Hz</td>
<td>38 Hz - 100 Hz</td>
<td>300 W</td>
<td>100 Hz</td>
<td>100 dB</td>
<td>8 ohms</td>
<td>2042H (18 in)</td>
<td>1168 x 651 x 368 mm</td>
<td>46 x 25.5 x 14.5 in</td>
</tr>
<tr>
<td>4641</td>
<td>25 Hz - 500 Hz</td>
<td>See individual spec sheet</td>
<td>600 W</td>
<td>80 to 150 Hz</td>
<td>97 dB</td>
<td>8 ohms</td>
<td>2241H (18 in)</td>
<td>999.6 x 647.7 x 450 mm</td>
<td>39 x 25.5 x 17.75 in</td>
</tr>
<tr>
<td>4642A</td>
<td>22 Hz - 500 Hz</td>
<td>See individual spec sheet</td>
<td>1200 W</td>
<td>80 to 100 Hz</td>
<td>101 dB SPL</td>
<td>4 ohms</td>
<td>2 x 2241H (18 in)</td>
<td>762 x 3219 x 610 mm</td>
<td>30 x 48 x 24 in</td>
</tr>
<tr>
<td>4645C</td>
<td>To 22 Hz (no EQ)</td>
<td>See individual spec sheet</td>
<td>800 W</td>
<td>80 to 100 Hz</td>
<td>97 dB</td>
<td>8 ohms</td>
<td>2242H (18 in)</td>
<td>999.6 x 647.7 x 450 mm</td>
<td>39 x 25.5 x 17.75 in</td>
</tr>
</tbody>
</table>
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 60 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 LSR4300 Series, and the new LSR2300 Series that include 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 systems 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 and LSR4300 Series monitors and the optional MSC1 Monitor System Controller. The RMC system includes everything needed to analyze LF problems and restore accuracy at the mix position.
The LSR Series

The JBL LSR6300, LSR4300 and the New LSR2300 Series go “beyond accurate” all the way to “stunning” by incorporating features which reduce the effect of problems in the room. We start with JBL transducer and network technologies that provide ultra-flat response and exceptional dynamic range. Then we incorporate features that 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, LSR4300 Series, and the New LSR2300 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 LSR 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 mix position.

LSR (Linear Spatial Reference Technology)

Much of what you hear at the mix position is reflected—not direct sound. Linear Spatial Reference Technology ensures mid and high frequency content is neutral and linear. This causes more linear compliance resulting in lower distortion, more accurate response and smoother stereo imaging. In order to achieve the goal of accurate spatial response, the crossover design was chosen to support the low crossover point to the woofer. In order to achieve the goal of accurate spatial response, the crossover design was chosen to support the low crossover point to the woofer. In order to achieve the goal of accurate spatial response, the crossover design was chosen to support the low crossover point to the woofer.

RMC™ (Room Mode Correction)

Room modes or standing waves can mislead you to 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, 6312SP, all LSR4300 models and the New MSC1 Monitor System Controller 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. JBL engineers took the RMC solution one step further by equipping the LSR4300 Series speakers with an automated analyzer and corrective filter. Both systems dramatically improve low frequency performance at the mix position. The LSR2300 Series owner can enjoy the benefits of JBL RMC Technology by adding the optional MSC1 Monitor System Controller with RMC that, in addition to controlling the system, tunes it for perfect mixes in any room.

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, while the RMC™ Systems in the LSR4300 and the new MSC1 Monitor System Controller include filters 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 LSR Series Studio 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.

LSR6332

Elliptical Oblate Spheroidal (EOS) Waveguide Designed for a targeted listening window of ± 30 degree horizontal and ± 15 degrees vertically, the EOS provides smooth response through the entire frequency range. The result: The listener 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 performance. This results in 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 reduces the possibility of magnetic pull, improved linear response and increased reliability.

LSR6328P, LSR6332, LSR6312SP

* Reinforced mounting points on LSR speakers allow convenient positioning and installation of multi-channel surround systems for any mixing application, in any studio environment.
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, and 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-1
The compact LSR6325P-1 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-1 is the heart of an exceptionally accurate yet space efficient full-range system.

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-1 and LSR6332 enjoy the benefits of RMC when used in a system with the LSR6312SP Subwoofer.

Specifications

<table>
<thead>
<tr>
<th>Frequency Response</th>
<th>70 Hz - 20 kHz (+1, -1.5 dB)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low Frequency Extension</td>
<td>-10 dB - 48 Hz</td>
</tr>
<tr>
<td>Amplifer Power (LF/HF)</td>
<td>100 W/50 W</td>
</tr>
<tr>
<td>SPL (Continuous/Peak 1)</td>
<td>106 dB/109 dB</td>
</tr>
<tr>
<td>Drivers (LF, MF, HF)</td>
<td>5.25 in/1 in</td>
</tr>
<tr>
<td>Sensitivity</td>
<td>96 dB/1 m</td>
</tr>
<tr>
<td>System Impedance</td>
<td>8 in/1 in</td>
</tr>
<tr>
<td>Crossover Frequencies</td>
<td>96 dB/1 m</td>
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<tr>
<td>HF Adjustment</td>
<td>2.3 kHz</td>
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<tr>
<td>Inputs</td>
<td>XLR, RCA</td>
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<tr>
<td>Magnetic Shielding</td>
<td>Yes</td>
</tr>
<tr>
<td>Mounting Capability</td>
<td>Yes</td>
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<tr>
<td>Finish</td>
<td>Dark Graphite</td>
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<tr>
<td>Dimensions</td>
<td>269 x 173 x 241 mm</td>
</tr>
<tr>
<td>Net Weight (each)</td>
<td>7.7 kg (17 lb)</td>
</tr>
</tbody>
</table>

1 Calculated using average 1 watt/1 meter sensitivity and peak amplifier output.
**LSR4300 Series**

The first “self-aware” monitoring system, the JBL LSR4300 Studio Monitors incorporate powerful network intelligence and RMC™ Room Mode Correction in the speaker, to deliver superb sound and accurate mixes in any room. With digital inputs, and computer connectivity, the LSR4300s are the ultimate monitor for the modern production environment. The LSR4300 series have become THE choice of facilities engaged in music, post, broadcast, stereo and surround-sound production.

**ACCURACY**

JBL’s next generation automated RMC™ Room Mode Correction system incorporates a powerful analyzer into each speaker that measures and automatically compensates for problems caused by low frequency standing waves and proximity to boundaries. This creates a stunningly clear and articulate sound stage enabling reliable mixes that translate faithfully to the outside world.

**CALIBRATION & CONFIGURATION**

Truly putting technology to work, system calibration is accomplished by simply plugging the LSR4300 calibration microphone into the speaker and pushing a button. The results are a revolution in professional mixing: a calibrated listening environment where the monitors truly work in harmony with the room. LSR4300 System with Harman HiQnet™ Network allows centralized control of all system settings using the LSR4300 elegant front panel controls, supplied infrared remote control or computer software.

The LSR4300 Series systems can be configured with up to eight main speakers in any desired mix of 6” and 8” models and two subwoofers. The system is automatically aligned so the sound arriving at the mix position from all speakers is balanced even in rooms with space limitations.

**LSR4326P**

The LSR4326P is a bi-amplified system with 6” woofer and 1” silk-dome tweeter.

**LSR4328P**

The LSR4328P is a bi-amplified system with 8” woofer and 1” silk-dome tweeter.

**LSR4312SP**

The LSR4312SP is a 450 watt, powered 12” subwoofer with automated RMC* and powerful features for stereo and surround sound production including bass management of the L, C, R, LS, RS channels with adjustable crossover points* plus a dedicated LFE (Low Frequency Effects) inputs.

*When used in a system with LSR4326P or LSR4328P

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**Specifications**

<table>
<thead>
<tr>
<th>Model</th>
<th>Frequency Response</th>
<th>Amplifier Power (LF/HF)</th>
<th>SPL (Continuous/Peak)</th>
<th>Drivers (LF/HF)</th>
<th>Sensitivity (+4 dBu, -10 dBV)</th>
<th>Inputs: Analog</th>
<th>Digital</th>
<th>Digital Processing</th>
<th>Data Connections</th>
<th>Magnetic Shielding</th>
<th>Mounting Capability</th>
<th>Finish: Baffle/Enclosure</th>
<th>Dimensions (H x W x D)</th>
<th>Net Weight (each)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LSR4326P</td>
<td>± 1.5 dB: 55 Hz – 20 kHz</td>
<td>150W / 70W</td>
<td>106 dB / 112 dB</td>
<td>6.25” 436H / 1” 431G, Self-Shielded Neodymium Motor Structures</td>
<td>94 dB/1m</td>
<td>XLR, ¼” Balanced, +4 dBu, -10 dBV</td>
<td>AES/EBU XLR, S/PDIF RCA</td>
<td>24 Bit, 96 kHz</td>
<td>Harman HiQnet Network, USB, RMIC</td>
<td>Yes</td>
<td>Yes</td>
<td>Gray Soft Touch/Gray</td>
<td>387 x 236 x 262 mm</td>
<td>12.7 kg (28 lb)</td>
</tr>
<tr>
<td>LSR4328P</td>
<td>± 1.5 dB: 50 Hz – 20 kHz</td>
<td>150W / 70W</td>
<td>106 dB / 112 dB</td>
<td>8” 438H / 1” 431G, Self-Shielded Neodymium Motor Structures</td>
<td>94 dB/1m</td>
<td>XLR, ¼” Balanced, +4 dBu, -10 dBV</td>
<td>AES/EBU XLR, S/PDIF RCA</td>
<td>24 Bit, 96 kHz</td>
<td>Harman HiQnet Network, USB, RMIC</td>
<td>Yes</td>
<td>Yes</td>
<td>Gray Soft Touch/Gray</td>
<td>438 x 267 x 269 mm</td>
<td>14.1 kg (31 lb)</td>
</tr>
<tr>
<td>LSR4312SP</td>
<td>27 Hz - 250 Hz (-6 dB)</td>
<td>450W</td>
<td>116 dB / 125 dB</td>
<td>12” 432G, Self-Shielded</td>
<td>94 dB/1m</td>
<td>XLR, ¼” Balanced, +4 dBu, -10 dBV</td>
<td>AES/EBU XLR, S/PDIF RCA IN, OUT; S/PDIF RCA IN, OUT</td>
<td>24 Bit, 96 kHz</td>
<td>Harman HiQnet Network, USB, RMIC</td>
<td>Yes</td>
<td>No</td>
<td>Gray Soft Touch/Gray</td>
<td>501 x 406 x 495 mm</td>
<td>29.5 kg (66 lb)</td>
</tr>
</tbody>
</table>

*Measured using 6dB crest factor pink noise in free space at 1 Meter C weighted

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**Included in the LSR4326P/PAK and LSR4328P/PAK**

**LSR4300 Accessory Kit**

Includes:

- LSR4300 Calibration Microphone and mic clip
- Remote Control
- LSR4300 Control Center Software
- USB Cable

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**Linear Spatial Reference Design**

**Automated RMC™ Room Mode Correction**

**Supplied Wireless Remote Control and LSR4300 Control Center Software**

**Harman HiQnet™ Network for System Control**

**Mounting Points for Industry-Standard Mounting Hardware**

**Exceptionally Accurate in Any Mix Environment**
JBL Professional proudly introduces the new LSR2300 Series and The MSC1 Monitor System Controller delivering professional performance at a price within reach of any studio. The LSR2300 models incorporate the same Linear Spatial Reference design that have made the LSR6300 and LSR4300 Series the choice of top professionals and facilities world-wide. To produce an extraordinary monitor system at these price points, our award-winning engineers pushed the limits in every aspect of the design. With the understanding that today’s audio mixing and recording is carried out in a broad range of environments, JBL designed a system that delivers perfect mixes in any room.

SONIC ACCURACY
Meeting LSR Linear Spatial Reference criteria produces superior imaging and ensures, what you hear at the mix position is neutral in a broad range of environments. The precision wave guide and crossover design, and a newly developed Elliptical Tweeter Aperture result in superior accuracy and imaging at the mix position.

EXTENDED LOW FREQUENCY RESPONSE
JBL developed long excursion low frequency transducers, and custom tuned ports that work in concert to produce deep accurate Low Frequency Response.

HIGH OUTPUT
JBL-engineered high-sensitivity transducers, high-output amplifiers and paid careful attention to the thermal properties of the system, allowing each model in the LSR2300 line to produce exceptional sound pressure level (SPL). All three LSR2300 models have survived the JBL torture-test in which each system must play at full rated power for 100 hours before becoming a production-ready design.

MSC1 MONITOR SYSTEM CONTROLLER
The new MSC1 Monitor System Controller is a desk-top unit that allows monitoring of a range of input sources and connection of two sets of speakers and a subwoofer. Since the bulk of today’s work is carried out in acoustically less-than-perfect rooms, he MSC1 incorporates JBL’s highly-acclaimed RMC™ Room Mode Correction that measures and tunes your monitor system for better mixes. MSC1 main “A” speaker outputs include monitor EQ and RMC. The subwoofer output has its own level and crossover controls, and RMC to perfectly blend the sub with the “A” speakers. The very affordable MSC1 works with any speaker system.

MSC1 Features & Specifications:
- Master Volume Control
- A/B Speaker Select
- A/B/C Input Source Select
- Subwoofer Output with Level Control and Selectable Crossover Frequencies
- Adjustable Low and High Frequency Speaker EQ
- Headphone Output with Volume Control
- Monitor Mute Control
- RMC On/Bypass Control
- Balanced Outputs, Balanced & Unbalanced Inputs
- Included: Calibration Microphone and MSC1 Control Center Software
- Frequency Response: +0/-0.5 dB, 20 Hz - 20 kHz
- S/N, Dynamic Range: 110 dB typical, A-weighted, 20 Hz - 20 kHz
- Dimensions W x D x H: 198 x 165 x 83 mm (7.8 x 6.5 x 3.25 in)
Control® Monitors

key features

The JBL Control Series speakers offer well balanced sound and exceptional power handling, making these speakers ideal for any installation requiring professional control monitor performance from a compact source.

CONTROL® 1 PRO

The Control 1 Pro is a high-performance compact loudspeaker system incorporating monitor-grade, magnetically shielded transducers, a professional crossover network and full-range SonicGuard™ overload protection resulting in a loudspeaker system that is perfect for a wide variety of critical near-field audio applications, audio-visual applications, computer workstations, recording and broadcast studios, mobile audio-video control rooms and foreground and background music. Includes wall-mounting brackets.

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

Specialized mounting systems allow positioning of enclosures in exactly the right space for optimum performance in the tough applications where Control Series enclosures are often used.

CONTROL 2P

The Control 2P Compact Powered Reference Monitor System combines JBL’s legendary loudspeaker design with powerful amplification to deliver rich, accurate performance for the most demanding audio applications. The compact design, rugged enclosure, and professional feature-set make the Control 2P Compact Powered Reference Monitor ideal for desk-top recording and video production, audio visual presentations, professional broadcast applications, and monitoring of electronic musical instruments.

Model C2PS - Control 2P Stereo Pair includes one C2PM powered master, one passive extension speaker, one power supply and two snap-on angle pedestals.

Model C2PM: One Control 2P Powered Reference Monitor without passive extension speaker.

MTC-2P: Wall mounting kit for Control 2P. Includes two wall mounts, one power supply holder.

specifications

CONTROL 1 PRO

- FREQUENCY RESPONSE: 100 Hz - 18 kHz (± 3 dB)
- POWER CAPACITY: 150 W
- SENSITIVITY: 1 W, 1 m: 87 dB SPL
- NOMINAL IMPEDANCE: 4 ohms
- COMPONENTS: LF: 135 mm (5 1/4 in); HF: 19 mm (3/4 in)
- ENCLOSURE: Polypropylene structural foam
- FINISH: Black (C1Pro) or white (C1Pro-WH)
- DIMENSIONS: 235 x 159 x 143 mm (9.25 x 6.25 x 5.6 in)
- NET WEIGHT: 1.8 kg (4 lb)

CONTROL 5

- FREQUENCY RESPONSE: 75 Hz - 20 kHz (± 3 dB)
- POWER CAPACITY: 175 W
- SENSITIVITY: 89 dB SPL
- NOMINAL IMPEDANCE: 4 ohms
- COMPONENTS: LF: 165 mm (6 1/2 in); HF: 25 mm (1 in)
- ENCLOSURE: Polypropylene structural foam
- FINISH: Black or white (-WH)
- DIMENSIONS: 387 x 251 x 229 mm (15.25 x 9.8 x 9 in)
- NET WEIGHT: 4.5 kg (10 lb)

CONTROL 2P

- FREQUENCY RANGE: 80 Hz - 20 kHz
- MAX. SPL: 115 dB (pair); 111 dB (master only)
- INPUT SENSITIVITY: +4 dBu XLR / 0 dBu RCA
- AMPLIFIER POWER: 35 Watts continuous per-channel
- COMPONENTS: LF/HF ENCLOSURE: Polypropylene structural foam
- INPUT CONNECTORS: Balanced Neutrik® *; Combo XLR / 1/4 “ TRS; Unbal. RCA
- POWER REQUIREMENTS: 19 VDC / 3.42 Amps (use only supplied power supply)
- AC INPUT VOLTAGE: 100 - 240 V +/- 10% 50/60 Hz
- DIMENSIONS: 235 x 159 x 143 mm (9.25 x 6.25 x 5.6 in)
- NET WEIGHT: MASTER EXTENSION 2.6 kg (5.5 lb) 2.2 kg (4.5 lb)

* Neutrik and the names of Neutrik products referenced herein are either trademarks and/or service marks of Neutrik.

1 IEC filtered random noise (50 Hz - 5 kHz) with a crest factor (peak to average ratio) of 6 dB.
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<td>20</td>
<td>AS4128</td>
<td>37</td>
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<tr>
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<td>ASB118</td>
<td>37</td>
<td>JRX118S/118SP</td>
<td>10</td>
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<td>ASB1129</td>
<td>37</td>
<td>JRX1125</td>
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<td>54</td>
<td>AS46118</td>
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<td>LSR2310P</td>
<td>67</td>
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<tr>
<td>2382A</td>
<td>54</td>
<td>AS462P</td>
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<td>LSR2325P</td>
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<td>AS574</td>
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**Note:** For product codes, check the corresponding page for detailed information.
JBL AUDIO ENGINEERING FOR SOUND REINFORCEMENT

by John Eargle and Chris Foreman

This book comprehensively covers all aspects of speech and music sound reinforcement. It is divided into four sections: Section 1 provides the tutorial fundamentals that all audio engineers will need, discussing subjects such as fundamentals of acoustics, psychoacoustics, basic electrical theory and digital processing. Section 2 deals with the fundamental classes of hardware that the modern engineer will use, such as loudspeaker systems and components, microphones, mixers, amplifiers and signal processors. Special attention is given to digital techniques for system control and to audio signal analysis. Section 3 deals with the basics of system design, from concept to final realization. It covers topics such as basic system type and speech intelligibility, site survey, user needs analysis and project management. Section 4 discusses individual design areas, such as sports facilities, large-scale tour sound systems, high-level music playback, systems for the theater, religious facilities, and other meeting spaces. The book is written in an accessible style, but does not lack for ample amounts of technical information. JBL and HPro brand products are prominently featured as examples to illustrate the principles and applications. Available at bookstores and online.

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