



# AE SERIES LOUDSPEAKERS

INSTALLED AUDIO SOLUTIONS



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# About JBL

## POWER AND VERSATILITY IS ONLY THE BEGINNING.

When it comes to the listening experience, JBL never ceases to push the boundaries. From its inception over 75 years ago, the brand has grown to become synonymous with epic sound. And while the enjoyment is instinctive, the science behind each and every innovation is precise and methodical. Passionate and gifted engineers and designers around the world devote themselves to developing JBL products and solutions that take listening to the next level - and they've been doing it since day one.

Today, JBL professional solutions encompass recording studios, movie theatres, tour sound, installed sound, arenas and stadiums, and much more. At the heart of each of these solutions is a meticulous attention to detail, a willingness to develop everything from the ground up, and an absolute dedication to giving artists outstanding sound, whether they're performing at a major music festival or busking on a street corner. And the technologies that JBL develops for its professional audience benefit all of JBL's listeners as they are distilled into smaller form factors, allowing people everywhere to enjoy professional quality sound at a convenient size and an affordable price.

Over the decades, JBL has contributed a remarkable number of industry firsts and technical innovations that further cemented its reputation as an audio pioneer, garnering Grammy® awards, Academy awards, and widespread

recognition from the world's most celebrated musicians and consumers along the way.

Expertly blending a bold vision of the future with the passion and talent of its engineers and designers, JBL develops its own solutions, invents its own technologies, and creates its own tools with a pioneering spirit that has defined the brand for the past 75 years. Today, JBL is present in more than 130 countries, encompasses an increasingly diverse range of next-level products and solutions, and has over 300 patents to its name, such as VGC™ transducer technology, Slip Stream™ low frequency port, Progressive Transition™ (PT) waveguides, and Plus One™ woofer cone technology.

Thanks to a truly exceptional dedication to constantly delivering exactly what customers desire, JBL sound has become part of the fabric of people's lives. Whether it's cinema sound that makes the movie-going experience more immersive, soundbars that transform the living room into a concert hall, portables that let listeners enjoy their favourite tunes wherever they go, gaming headsets that make players swear they've just stepped into the game, or in-car audio technology that turns the daily commute into a moment of pure listening pleasure, JBL fills listeners' lives with sound as it was meant to be heard.



# A Journey of Engineering Excellence

Audio technology is at the core of everything JBL does. For over 75 years they have employed the best methodology and tools, developing everything from the ground up, guaranteeing their efforts exceed the needs and expectations of audio professionals throughout the world. Never straying from this exacting formula, this journey has produced a prolific list of audio achievements, ground-breaking technologies, revolutionary advances in the art and science of professional audio, many patents, and many awards. It's a journey that is legendary worldwide and has positioned JBL as the world leader in professional audio. Not just as a brand, but as a company known for consistently blending creativity and science as a manifestation of their passion for sound and commitment to those who create it.

## Transducers.

The technology of transducers is truly the starting place for the entire JBL engineering legacy. Building on founder James B. Lansing's historic foundation, JBL engineers continue to break ground on new and better ways to design transducers, reaching beyond what is commonly understood as possible and consistently setting new performance benchmarks for the audio industry. Starting from scratch and often developing patents in the process, has resulted in technologies such as Differential Drive woofers,

CMCD Cone Midrange drivers, and the D2 Dual Voice Coil Compression Driver, that cover the entire practical bandwidth of professional audio devices. Simultaneously addressing performance-robbing challenges such as power compression, heat dissipation, distortion, component weight, and physical footprint, JBL has created a range of transducers that are unparalleled in their ability to deliver extraordinary performance throughout a wide range of applications.

### Differential Drive®

JBL's exclusive dual voice coil, dual magnetic gap Differential Drive technology reduces weight while enhancing all critical performance parameters including better heat dissipation, lower power compression and higher dynamic range versus conventional single-coil designs. This allows very high output with minimal power compression, resulting in deep distortion-free bass even at very high SPL. Differential Drive® technology is now at the core of a full range of woofer models incorporated in many JBL loudspeaker systems from touring sound and fixed installation, to studio and cinema sound.

### D2 Dual Diaphragm Dual Voice Coil Compression Driver

The revolutionary D2 Dual Driver dramatically improves the sound and performance of high frequencies, providing an extreme output advantage over conventional systems with significantly higher array power, reduced

distortion, double the number of voice coils and more than double the power handling. This results in a dramatic increase in pure high frequency sound pressure levels in the same physical footprint with a 30% reduction in weight.

## Directivity.

Building better loudspeakers is only the first of many performance challenges that face all audio design engineers. Controlling the sound as it leaves the speaker enclosure is as critical to the performance of the system as the quality of the source component. The goal is always the same: create a consistent sound pattern throughout the desired vertical and horizontal plane without introducing artifacts, while ensuring the full bandwidth and SPL capability of the transducers, and providing a seamless transition from high frequency to low frequency components. JBL engineers relentlessly test new shapes and develop new materials to achieve the desired performance, often inventing new testing methodologies to ensure that nothing is left out of a thorough and rigorous examination of the design. The resulting technology has produced such ground-breaking designs as the Progressive Transition Waveguide, Image Control Waveguide, Slip Stream Port, Radiation Boundary Integrator, and Constant Curvature Waveguide. With multiple patents, and many successful installations in use worldwide, this critical component of JBL technology continues to evolve through our continuous pursuit of better, more accurate sound.

### Radiation Boundary Integrator™ (RBI)

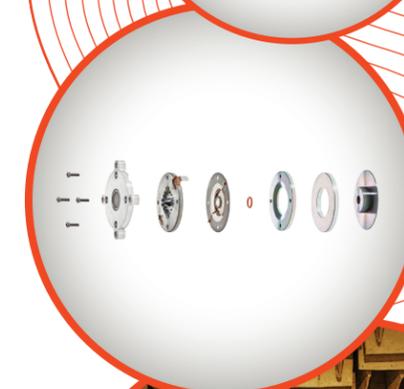
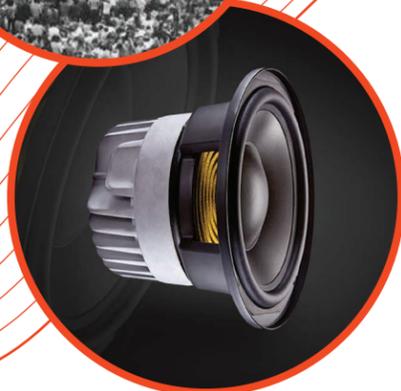
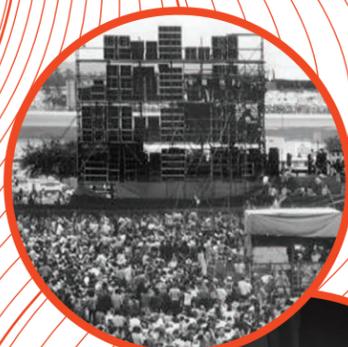
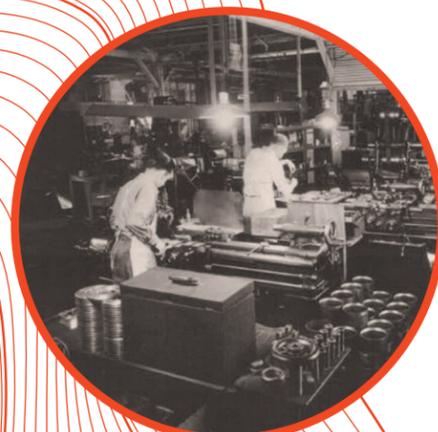
JBL's patented Radiation Boundary Integrator combines the high frequency and mid-range so the transition across each band is uninterrupted, undistorted and seamless. A patented,

tuned resonant chamber is integrated into the waveguide itself, effectively eliminating throat-related cancellations due to back pressure from the mid-range section. Our refined RBI waveguide implementation provides improved horizontal coverage - broader and more stable.

## Testing.

All audio products have a useful life, and JBL engineers are committed to making that as long as possible, not only in terms of reliability, but also in terms of how good the sound is the very first time a system is turned on. Every JBL Professional product undergoes stringent testing above and beyond what the product would face when deployed in the real world.

JBL has multiple application specific anechoic testing chambers, and has developed the only known 'Speaker Shuffler' that allows rapid and precise re-positioning of speaker systems in the exact same space for truly accurate A/B testing. This rigorous, uncompromising adherence to testing results in continuous breakthroughs in performance and ensures that JBL users worldwide can always work with confidence.



# AE Series Compact Models

## Flexibility and High Fidelity

The AE Series family of compact, high-output, full-range loudspeakers combine flexibility and high fidelity in powerful, lightweight systems that serve the needs of designers and artists alike.

Featuring Progressive Transition™ rotatable waveguides with a choice of coverage patterns and advanced JBL transducer technologies like our next-generation compression drivers and Differential Drive design, these versatile 2-way speakers provide unparalleled sonic clarity and crisp detail in any configuration. Available in black, white and WRC/WRX finishes to meet diverse aesthetic requirements.



Black / White

### AC15

**Ultra Compact 2-way Loudspeaker with 1 x 5.25" LF**

**Frequency Range (-10dB):**  
80 Hz -20 kHz

**Impedance:**  
16 ohms

**Maximum SPL (1m):**  
108 dB

**Long-Term System Power Rating (Continuous/Program/Peak):**  
150 W / 300 W / 600 W

**Coverage Pattern:**  
H -90° V -90°



Black / White

### AC16

**Ultra Compact 2-way Loudspeaker with 1 x 6.5" LF**

**Frequency Range (-10dB):**  
55 Hz -20 kHz

**Impedance:**  
16 ohms

**Maximum SPL (1m):**  
110 dB

**Long-Term System Power Rating (Continuous/Program/Peak):**  
160 W / 320 W / 640 W

**Coverage Pattern:**  
H -90° V -90°



Black / White

### AC18/26

**Compact 2-way Loudspeaker with 1 x 8" LF**

**Frequency Range (-10dB):**  
52 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
117 dB

**Long-Term System Power Rating (Continuous/Program/Peak):**  
250 W / 500 W / 1000 W

**Coverage Pattern:**  
H -120° V -60°



Black / White

### AC18/95

**Compact 2-way Loudspeaker with 1 x 8" LF**

**Frequency Range (-10dB):**  
52 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
117 dB

**Long-Term System Power Rating (Continuous/Program/Peak):**  
250 W / 500 W / 1000 W

**Coverage Pattern:**  
H -90° V -50°



Black / White

### AC25

**Ultra Compact 2-way Loudspeaker with 2 x 5.25" LF**

**Frequency Range (-10dB):**  
80 Hz -20 kHz

**Impedance:**  
16 ohms

**Maximum SPL (1m):**  
115 dB

**Long-Term System Power Rating (Continuous/Program/Peak):**  
225 W / 450 W / 900 W

**Coverage Pattern:**  
H -90° V -90°



Black / White

### AC26

**Ultra Compact 2-way Loudspeaker with 2 x 6.5" LF**

**Frequency Range (-10dB):**  
55 Hz -20 kHz

**Impedance:**  
16 ohms

**Maximum SPL (1m):**  
117 dB

**Long-Term System Power Rating (Continuous/Program/Peak):**  
180 W / 360 W / 720 W

**Coverage Pattern:**  
H -90° V -90°



Black / White

### AC28/26

**Compact 2-way Loudspeaker with 2 x 8" LF**

**Frequency Range (-10dB):**  
53 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
120 dB

**Long-Term System Power Rating (Continuous/Program/Peak):**  
375 W / 750 W / 1500 W

**Coverage Pattern:**  
H -120° V -60°



Black / White

### AC28/95

**Compact 2-way Loudspeaker with 2 x 8" LF**

**Frequency Range (-10dB):**  
53 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
120 dB

**Long-Term System Power Rating (Continuous/Program/Peak):**  
375 W / 750 W / 1500 W

**Coverage Pattern:**  
H -90° V -50°

# AE Expansion Series Low Cost

## Affordable Audio Excellence

The AE Expansion Series of full-range loudspeakers and subwoofers meets the needs of a variety of fixed-installation applications. These versatile, low-cost systems are ideal for bars, restaurants, clubs, lounges, worship facilities, gymnasiums, retail spaces, and education facilities. Compact 2-way full-range systems and subwoofers feature high-power, long-excursion drivers, and are housed in robust 15mm enclosures with multiple suspension and rigging points for ultimate flexibility. And, their compact size satisfies most architectural requirements. All models are available in black and white textured coatings.



Black / White

**AC895**

**Two-Way Full-Range Loudspeaker with 1 x 8" LF**

**Frequency Range (-10dB):**  
70 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
116 dB (122 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
150 W / 300 W / 600 W

**Coverage Pattern:**  
H -90° V -50°



Black / White

**AC195**

**Two-Way Full-Range Loudspeaker with 1 x 10" LF**

**Frequency Range (-10dB):**  
68 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
118 dB (124 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
200 W / 400 W / 800 W

**Coverage Pattern:**  
H -90° V -50°



Black / White

**AC266**

**Two-Way Full-Range Loudspeaker with 1 x 12" LF**

**Frequency Range (-10dB):**  
63 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
121 dB (127 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
250 W / 500 W / 1000 W

**Coverage Pattern:**  
H -60° V -60°



Black / White

**AC299**

**Two-Way Full-Range Loudspeaker with 1 x 12" LF**

**Frequency Range (-10dB):**  
63 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
121 dB (127 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
250 W / 500 W / 1000 W

**Coverage Pattern:**  
H -90° V -90°



Black / White

**AC566**

**Two-Way Full-Range Loudspeaker System with 1 x 15" LF**

**Frequency Range (-10dB):**  
60 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
122 dB (128 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
250 W / 500 W / 1000 W

**Coverage Pattern:**  
H -60° V -60°



Black / White

**AC599**

**Two-Way Full-Range Loudspeaker System with 1 x 15" LF**

**Frequency Range (-10dB):**  
60 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
122 dB (128 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
250 W / 500 W / 1000 W

**Coverage Pattern:**  
H -90° V -90°



Black / White

**AC115S**

**15" High Power Subwoofer System**

**Frequency Range (-10dB):**  
32 Hz -250 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
120 dB (126 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
400 W / 800 W / 1600 W



Black / White

**AC118S**

**18" High Power Subwoofer System**

**Frequency Range (-10dB):**  
32 Hz -250 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
122 dB (128 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
450 W / 900 W / 1800 W

# AE Application Engineered Original Series

## Permanent Installation Loudspeakers

Imagine if your every system requirement was not just met, but anticipated. The Application Engineered Series comprehensive family of permanent-installation loudspeakers and subwoofers does just that. These powerful, versatile systems are optimized for a broad range of applications, from theatrical sound design to worship facilities to live venues and sports facilities. With a wide selection of models, signature JBL acoustic innovations like Differential Drive® transducer designs and CMCD™ (Cone Midrange Compression Driver) technology, unprecedented durability, and a systems approach, the AE Series exceeds the expectations of discriminating designers—and your customers, too.



Black / White

AM7212 00/26/64/66/95

**High Power 2-Way Loudspeaker with 1 x 12" LF & Rotatable Horn**

**Frequency Range (-10dB):**  
36 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
123 dB-SPL cont avg (129 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
600 W (2400 W peak), 100 hrs

**Coverage Pattern:**  
00: 100° H x 100° V  
26: 120° H x 60° V  
64: 60° H x 40° V  
66: 60° H x 60° V  
95: 90° H x 50° V



Black / White

AM7215 26/64/66/95

**High Power 2-Way Loudspeaker with 1 x 15" LF & Rotatable Horn**

**Frequency Range (-10dB):**  
34 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
124 dB-SPL cont avg (130 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
600 W (2400 W peak), 100 hrs

**Coverage Pattern:**  
26: 120° H x 60° V  
64: 60° H x 40° V  
66: 60° H x 60° V  
95: 90° H x 50° V



Black / White

AM7315 64/95

**High Power 3-Way Loudspeaker**

**Frequency Range (-10dB):**  
38 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
MF/HF: 133 dB-SPL cont avg (139 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
LF: 600 W (2400 W peak), 100 hrs  
HF: 200 W (800 W peak), 100 hrs

**Coverage Pattern:**  
64: 60° H x 40° V, rotatable waveguide  
95: 90° H x 50° V, rotatable waveguide



Black / White

AM5212  
00/26/64/66/95

**2-Way Loudspeaker System with 1 x 12" LF**

**Frequency Range (-10dB):**  
37 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
121 dB-SPL cont avg (127 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
300 W (1200 W peak), 100 hrs

**Coverage Pattern:**  
00: 100° H x 100° V  
26: 120° H x 60° V  
64: 60° H x 40° V  
66: 60° H x 60° V  
95: 90° H x 50° V



Black / White

AM5215  
26/64/66/95

**2-Way Loudspeaker System with 1 x 15" LF**

**Frequency Range (-10dB):**  
35 Hz -20 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
124 dB-SPL cont avg (130 dB peak)

**Long-Term System Power Rating (Continuous/Program/Peak):**  
350 W (1400 W peak), 100 hrs

**Coverage Pattern:**  
26: 120° H x 60° V  
64: 60° H x 40° V  
66: 60° H x 60° V  
95: 90° H x 50° V

# Subwoofers

## A Subwoofer for Every Application

Extend your system's low-frequency performance with AE Series subwoofers, available in a range of sizes and throw capabilities to cover any sound-reinforcement application, from theaters and dance clubs to themed entertainment venues. Featuring robust composite cones with neodymium magnets and showcasing exclusive innovations like Differential Drive® transducer designs and Vented Gap Cooling™, these powerful subwoofers deliver clear, defined bass at any volume. An array of mounting and rigging options allow use in ground-stacked or suspended applications in standalone arrays or in combination with other AE Series products. It all adds up to powerful, versatile systems that deliver deep bass impact, for an immersive entertainment experience that brings customers in and keeps them coming back.



Black

### ASB4128

#### Medium Power Subwoofer 2 x 18" 2043H Drivers

**Frequency Range (-10dB):**  
30 Hz - 1 kHz

**Impedance:**  
4 ohms in parallel-drive mode  
2 x 8 ohms in discrete-drive mode

**Maximum SPL (1m):**  
133 dB-SPL cont avg  
(139 dB peak)

**System Power Rating:**  
600 W (2400 W peak), 100 hrs



Black

### ASB6128

#### High Power Subwoofer 2 x 18" 2242H SVG™ Driver

**Frequency Range (-10dB):**  
28 Hz - 1 kHz

**Impedance:**  
4 ohms in parallel-drive mode  
2 x 8 ohms in discrete-drive mode

**Maximum SPL (1m):**  
136 dB-SPL cont avg  
(142 dB peak)

**System Power Rating:**  
1600 W (6400 W peak), 100 hrs



Black

### ASB6125

#### High Power Dual 15" Subwoofer

**Frequency Range (-10dB):**  
32 Hz - 1 kHz

**Impedance:**  
4 ohms in parallel-drive mode  
2 x 8 ohms in discrete-drive mode

**Maximum SPL (1m):**  
132 dB-SPL cont avg  
(138 dB peak)

**System Power Rating:**  
1350 W (5400 W peak), 100 hrs



Black

### ASB7128

#### Ultra Long Excursion High Power Dual 18" Subwoofer

**Frequency Range (-10dB):**  
20 Hz - 1 kHz

**Impedance:**  
4 ohms in parallel-drive mode  
2 x 8 ohms in discrete-drive mode

**Maximum SPL (1m):**  
135 dB-SPL cont avg.  
(141 dB peak)

**System Power Rating:**  
2400 W (9600 W peak), 100 hrs



Black

### AL7115

#### High Power Single 15" Low Frequency Loudspeaker

**Frequency Range (-10dB):**  
40 Hz - 4.2 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
127 dB-SPL cont avg (133 dB peak)

**System Power Rating:**  
600 W (2400 W peak), 100 hrs



Black

### ASB6112

#### Compact High Power Single 12" Subwoofer

**Frequency Range (-10dB):**  
35 Hz - 1 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
126 dB-SPL cont avg (132 dB peak)

**System Power Rating:**  
700 W (2800 W peak), 100 hrs



Black

### ASB6115

#### High Power Single 15" Subwoofer

**Frequency Range (-10dB):**  
32 Hz - 1 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
126 dB-SPL cont avg (132 dB peak)

**System Power Rating:**  
675 W (2700 W peak), 100 hrs



Black

### ASB6118

#### High Power Subwoofer 1 x 18" 2242H SVG™ Driver

**Frequency Range (-10dB):**  
28 Hz - 1 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
129 dB-SPL cont avg  
(135 dB peak)

**System Power Rating:**  
800 W (3200 W peak), 100 hrs



Black

### ASB7118

#### Ultra Long Excursion High Power Single 18" Subwoofer

**Frequency Range (-10dB):**  
22 Hz - 1 kHz

**Impedance:**  
8 ohms

**Maximum SPL (1m):**  
129 dB-SPL cont avg  
(135 dB peak)

**System Power Rating:**  
1200 W (4800 W peak), 100 hrs





# AE SERIES LOUDSPEAKERS

INSTALLED AUDIO SOLUTIONS

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