



ARENA 26BE

1" and 6-1/2" (165mm) 2-way component speaker system



The Ultimate Music Experience. Dare to Listen!

The JBL ARENA is a passive 2-way automotive system in our ARENA series. The Arena includes a 25mm beryllium tweeter in a slim factory fitting housing. The powerful all-new tweeter is designed to integrate with the directivity of the companion midrange drivers resulting in greater efficiency, improved dynamic range, reduced distortion, and increased power handling compared to aluminum or titanium tweeters. Beryllium - Element 4 on the Periodic Table - is a rare earth metal that is renowned for its remarkable physical properties that make it the ideal material for a high-frequency transducer. Compared to aluminum and titanium tweeter diaphragms, Beryllium offers 4.5 times the stiffness and three times more damping, and does so at only half of the weight. Beryllium tweeters are the centerpiece of the ARENA automotive loudspeaker series. The Arena 2way passive crossover networks utilize all film capacitors and air core inductors in the midrange and tweeter circuits. These premium components allow JBL's world-class engineers to extract nuances and details from music that would otherwise be lost. Combined with traditional JBL high-order crossover slopes and proprietary transducer integration is seamless. The 6.5-inch (165mm) aluminum basket woofers utilize woven carbon fiber cones for improved performance. The stiff lightweight cones combine with optimized motor magnetics to deliver improved mid- and low-frequency performance and Specially formulated acoustic adhesive chosen to provide superior strength and sound quality.

Features

- ▶ 1-inch Edge-Driven Pure Beryllium Dome Tweeter
- ▶ Carbon Fiber Composite Cone Body and Dustcap Woofer
- ▶ Nomex Spider Woofer
- ▶ Neodymium Magnet Motor
- ▶ Die-Cast Aluminum Basket
- ▶ Bi-Amp Capable Precision Outboard Crossover Network
- ▶ Magnetic Adsorption Design



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Features and Benefits

1-inch Edge-Driven Pure Beryllium Dome Tweeter

Beryllium offers 4.5 times the stiffness and three times more damping than more commonly used aluminum and titanium diaphragms, delivering extended high-frequency performance out to 40kHz. This benefits the listener by virtually eliminating all harshness in the audio band, delivering a smooth, precise and detailed performance, even at high output levels.

Carbon Fiber Composite Cone Body and Dustcap Woofer

The ultra-rigid carbon fiber dustcap and cone body minimize unwanted cone flexing, ensuring smooth frequency response.

Nomex Spider Woofer

Spider are specifically designed to ensure linear motion in both forward and rearward directions. This minimizes distortion caused by the speaker's suspension.

Neodymium Magnet Motor

Provides high flux density, also allows more room for larger steel motor components to provide critical heatsink mass for the voice coil.

Die-Cast Aluminum Basket

Provides rigid support for the motor structure allowing for tighter tolerance thus yielding reduced distortion and unwanted acoustic anomalies.

Bi-Amp Capable Precision Outboard Crossover Network

High tolerance components are used to ensure purity and low distortion with a 12dB per octave alignment on the woofer and 24dB per octave alignment on the tweeter. It is also setup for biamping if so desired and a three position tweeter output is also included to optimize performance based on location and vehicle materials.

Magnetic Adsorption Design

Strong magnetic field adsorption technology take you to the new case era. From now on, grille installing became a pleasure. It makes your loudspeaker stand out among crowd. Magnetic strong adsorption loudspeaker grille automatic closing, 1 second installation by you.

What's in the box:

- 1 pair woofers
- 1 pair tweeters
- 1 pair passive crossovers
- 1 pair woofer grille
- 1 pair woofer decoration ring
- 1 pair flush mounting tweeter case (installed)
- 1 pair flush mounting tweeter nut
- 1 pair angle surface mounting cup
- 1 pair stealth mounting bracket
- 1 pair woofer gaskets
- Screws and clips
- User manual

Technical specifications:

- ▶ 6-1/2" (165mm) 2-way car component speaker system
- ▶ 1" Beryllium dome tweeter
- ▶ 6.5" glass fiber cone with cast frames
- ▶ Bi-Amp Capable Precision Outboard Crossover network
- ▶ Frequency Response (-6dB): 20Hz – 40kHz
- ▶ Power Handling: 100Wrms, 200W peak
- ▶ Crossover Frequencies: 2.5K or 3.5kHz (selectable)
- ▶ Nominal Impedance: 4 ohms
- ▶ Sensitivity: 90dB (2.83V @1M)
- ▶ Woofer mounting depth: 2.83 in./72mm
- ▶ Tweeter flush mounting depth: 0.77 in./19.5mm

