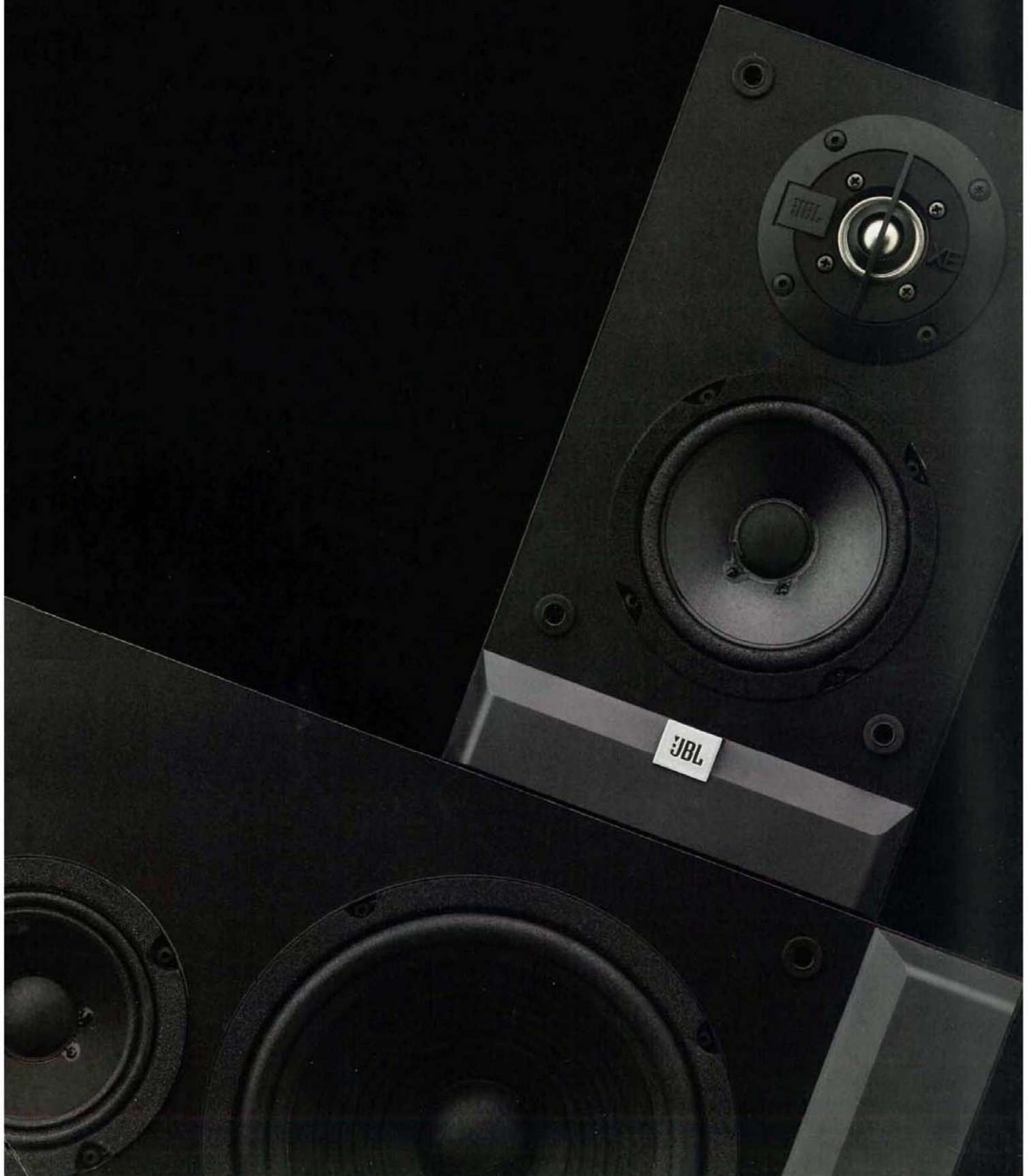


**JBL**

XE SERIES LOUDSPEAKER SYSTEMS



## THERE ARE MANY TYPES OF MUSIC. BUT ONLY ONE SPEAKER FOR MUSICIANS.

From rock concerts to great opera, from Bruce Springsteen on tour to the Royal Danish Theater in Copenhagen – while the music may be different, it is a universal language. And musicians around the world rely on one translator more than any other: JBL speakers.

To the musician, speakers are a critical part of their art. After all, this is how audiences hear them live, how their fans best appreciate them. They want a speaker with clean, powerful, effortless sound for popular music, and one capable of reproducing every nuance and detail with classical and acoustical music. More musicians use JBL speakers to give their audiences the live performances they deserve.

The process continues in the home, with recorded music on cassette and compact discs. So back in the studio, musicians and recording engineers insist on the most accurate monitor loudspeakers. These monitors must relentlessly approach the musical truth by re-creating the dynamics and transients of the original music. From Hollywood to Abbey Road, 7 out of 10 recording studios use JBL-built monitors.

JBL is the musician's choice for live music. And the recording engineers choice for studio monitoring. JBL speakers have no musical preference. From new wave to new age, rock to opera, jazz to country, classical to big band, JBL speakers play music only one way – the way it was meant to be heard by the people who created it. Now if a JBL speaker can do all this, it should be the right speaker for the most important venue of all: your living room. The new XE series makes it easier than ever to bring the performance home.

## THE XE SERIES: JBL ALL THE WAY.

Naturally, it takes years to learn how to do all music the right way. In fact, it takes about 40 to develop the engineering, materials and technical expertise necessary.

That's how long JBL has supplied the performing arts, not to mention recording studios and high end home systems. The new JBL XE series speakers are the embodiment of everything JBL has learned in 40 years of innovation and manufacturing. XE is simply the most quality and performance available in its size and price range. No other speaker company can approach it, because no other company has JBL's credentials or experience.

## DRIVERS ARE THE SECRET.

In principle there are two ways to build a loudspeaker. And they both start with drivers – woofers, tweeters and midranges – because these are the electroacoustic components that actually produce the sound. The first approach is most common – take drivers with unmatched, raggedly uneven frequency response and compensate with a complicated internal electrical network or crossover.

The other way is to use better performing drivers to begin with, and smoothly integrate them with a purist crossover network made from fewer, higher-grade parts. Unfortunately, in the affordable price ranges a speaker designer's choice is dictated by economics more than acoustics. Which means most speaker companies are forced to go with choice number one.

JBL is the exception, because of one fundamental advantage: JBL builds its critical speaker components itself, from the best materials available and with total control over the process. Because they match to begin with, XE drivers approach smooth, linear effortless sound with minimal crossover interaction.





Less amplifier power is wasted in a correcting network, meaning that there is more power to turn into music. The amplifier commands, and the speaker instantly responds. All the dynamic impact and spacious ambience of the original performance is faithfully re-created, even with modestly-powered receivers and amplifiers.

It's really the best way to build any speaker. It's an unheard-of way to build an affordable speaker. For JBL, it's the only way to build an XE speaker.

## THE SUM OF THE PARTS.

JBL woofers are considered the best in the industry. The woofers used in the XE series are a direct spin-off of JBL's legendary professional drivers.

A precision manufactured frame unites a maximized magnetic structure with a composite material cone and pure copper voice coil. The result is powerful, dynamic low distortion bass, enough to provide a spine-tingling foundation for the most demanding types of music. XE low frequency performance is unprecedented in this price range – but what one might expect from a company that provides sound at concerts and events of every sort.

XE tweeters make full use of the titanium technology that delivers exceptional transient response and detail in JBL studio monitors. A vapor-deposited titanium laminate ensures airy, crisp sound comparable only to the sound of more expensive JBL speakers. XE midrange devices are designed to provide the incisive voicing that has become a hallmark of JBL speaker design, and have been proven in the most critical vocal applications including motion picture playback in the world's most prestigious theaters. And the high-spatial precision crossover network is built from premium parts.

But it takes more than a box to properly enclose drivers with performance inspired by concerts, studios and theaters. The XE enclosure is crafted in the same facility as rugged JBL professional speakers. Made from first-grade fiberboard to JBL specifications, the enclosure is constructed by the most advanced furniture machinery available. Furniture is a key word. High-tech woodworking is married to old-world craftsmanship to produce a finish and appearance reminiscent of the classic JBL speaker designs, one that elegantly complements any listening environment.

In the XE series, special attention has been paid to the critical interface between speaker and amplifier. Beyond being exceptionally efficient (and therefore requiring relatively little power) XE speakers are designed for smooth impedance to more effectively match with modern amplifiers. The virtually flat impedance characteristics of the XE speaker extracts every last bit of useable power and fidelity from an amplifier or receiver without straining it.

## ONE SPEAKER FOR ALL MUSIC. SIX WAYS TO AFFORDABLE PERFECTION.

Only a true speaker manufacturer can offer you better performance for your money, because it takes purpose-built drivers, networks and enclosures. And only a company with over four decades of experience in professional sound can deliver music the way it is intended



to sound. Which is why only JBL can offer you the XE series of loudspeakers.

With every compact disc and cassette you buy, you've paid for the best performance possible from the musicians and recording engineers who created it. It's all there, beyond the range of lesser speakers. But the engineering and manufacturing resources of the leader in professional sound can unleash them right in your living room, and let you hear music the way it was intended to sound. JBL has the key for live music's dynamics, detail and clarity. It's called the XE series. And it's waiting for you at your authorized JBL specialist.

## JBL AND HARMAN INTERNATIONAL.

JBL is part of the Harman International audio companies, a group with a common purpose: combining technology with a love of music to manufacture audio products that provide new levels of satisfaction, performance and value.

To promote diversity and creativity, JBL operates independently in research and development. When it comes to translating the results of these efforts into actual consumer and professional products, JBL draws on the full combined strength of the Harman companies, which includes one of the world's most advanced manufacturing facilities. The result of this teamwork is that JBL's renowned excellence in engineering is successfully carried through to each individual product, regardless of its application or price range.

As new audio concepts and technologies are pioneered, the partnership of JBL and Harman International guarantees that consumer and professional audio users everywhere will be able to enjoy their full benefits.

# SPECIFICATIONS



	XE 1	XE 2	XE 3	XE 4	XE 5	XE 6
Recommended amplifier power:	10 – 50 W per channel	10 – 60 W per channel	10 – 80 W per channel	10 – 100 W per channel	10 – 120 W per channel	10 – 140 W per channel
Nominal impedance:	4 ohms	4 ohms	8 ohms	8 ohms	8 ohms	8 ohms
Sensitivity: 1)	88 dB	88 dB	89 dB	90 dB	89 dB	90 dB
Crossover:	3 kHz	3 kHz	600 Hz/ 3.5 kHz	600 Hz/ 3.5 kHz	600 Hz/ 3.5 kHz	600 Hz/ 3.5 kHz
Low frequency driver:	130 mm	165 mm	200 mm	250 mm	2 x 200 mm 1 active	2 x 250 mm 1 active
Midrange driver:	–	–	130 mm	130 mm	130 mm	130 mm
High frequency driver:	26 mm	26 mm	26 mm	26 mm	26 mm	26 mm
Enclosure finish:	Black vinyl					
Grille color:	Black					
Dimensions: (HxWxD)	310x180 x215 mm	380x230 x270 mm	540x270 x265 mm	600x310 x315 mm	940x270 x295 mm	980x310 x315 mm
Weight: 2)	4 kg	5.5 kg	9 kg	11.5 kg	15 kg	19.5 kg

1) Sensitivity is measured with a 2.83V input at a distance of 1 meter. 2.83V is equivalent to 1 Watt into an 8 ohm load. Specifications are subject to change without notice.  
 2) The XE 1, XE 2 and XE 3 are packed in pairs.

JBL continually engages in research related to product development and improvement. Because of this, new materials, production methods and design refinements may be introduced into existing products without notice. For this reason, any current JBL product may differ in some respect from its published description, but will always equal or exceed the original design specifications unless otherwise stated.



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