

JBL

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**LINEAR EFFICIENCY LOUDSPEAKERS.
TITANIUM TECHNOLOGY.**

TLX SERIES



Introducing The TLX Series. Recording studio technology for living room music lovers.

From their titanium laminate tweeters to their high polymer woofers, the technology behind these high performance loudspeakers represents simply the latest in a steady stream of technical advances, from a company dedicated for more than 35 years to the sole pursuit of perfecting loudspeakers. JBL.

And yet, while the technology is new, it is far, far, from untried or unproven. The

JBL advances in material engineering, an extension of which is embodied in these loudspeakers, were used and tested in the most rigorous, demanding, and tortuous environment any loudspeaker could ever face. The recording studio. Where accuracy, dynamic range, and wide-band response are a must. Where critical professional ears listen for each and every musical detail. And where day and night for years on end, speakers must perform flawlessly and uncomplainingly no matter what the music, no matter how demanding the power applied, no matter what. Period.

It has taken a team of JBL specialists to translate these lessons learned into the TLX Series for home music lovers. Specialists in materials research, and network

designs, experts in magnetic circuitry and cabinet structure, all contributed to the final product, the TLX Series: rich, smooth-sounding, highly efficient, rugged loudspeakers that combine so many virtues they can perhaps best be summarized as "beautifully balanced."



Vapor deposited titanium coats the dome of our new tweeter, making it one of the lightest and stiffest available.



TLX2

TLX4

THE TECHNOLOGY.

TLX TITANIUM LAMINATE TWEETER

All JBL TLX Loudspeakers employ a dome tweeter laminated with vapor deposited titanium. Titanium is one of the lightest, stiffest materials known to man, and makes our TLX tweeter one of the lightest and stiffest ever made. It has the structural integrity of a "hard" dome, and the damping characteristics of a traditional soft dome. There's virtually no break-up, no roughness. There's lower distortion, and extended smooth frequency response. A unique clear phasing ellipse is an integral part of the design. It aids in flattening the high frequency response by shadowing the center of the dome of the tweeter.



Laminated high polymer woofers and midrange drivers bring us one step closer to the ideal of a light, rigid piston.

LAMINATED HIGH POLYMER CONE DRIVERS

JBL TLX woofers and midrange drivers utilize a new cone material, a laminated high polymer composite made by adding

a plasticized layer to a pulp base. This results in optimum stiffness, mass, and internal damping, and ensures that the cone behaves more like a true piston. There's less rippling, less cone fatigue, less strain—distortion is reduced to inaudible levels. What does this mean in terms of what you hear? Bass is clean, with plenty of punch. High volume levels are handled effortlessly. The music sounds natural.

LINEAR EFFICIENCY RESPONSE

JBL TLX Loudspeakers don't trade efficiency for smoothness of response. They sound smooth and natural, but are still efficient across their entire operating range. You can drive them to room-filling levels with just 10 watts per channel.



TLX6

TLX8

MULTIPLE-ELEMENT DIVIDING NETWORK

TLX Series crossovers are true dividing networks that provide accurate, seamless blending of the drivers. Unheard of in loudspeakers similarly priced to the TLX Series is JBL's use of "bypass" capacitors in the crossover. In fact, you'd be hard-pressed to find these high-quality devices in loudspeakers of any price. They help maintain the transient detail of the incoming signal. Without them, music might sound "muddy" when it should sound crisp and clear.

SOLID ENCLOSURES AND FLOATING GRILLES

Given the accuracy and exotic design of the TLX Series drivers, it's important that the enclosure have no "voice" of its own, and that it works with these components, not against them. Rigidity is assured by the use of high density, three-quarter inch panels. Internal volume and port volume are critically dimensioned. Even the new grilles are an integral part of the design. Instead of resting the grilles flat against the front baffle, where they could create cavity effects and reduce high-frequency dispersion, JBL "floats" them by mounting the grilles on struts.

IN-LINE DRIVER ARRAY

A proper stereo image, including a sense of depth and a wide, spacious soundstage, is part and parcel of a truly rewarding musical experience. JBL TLX Series Loudspeakers preserve the recording engineer's image-making by mounting all drivers in-line on the front baffle. In addition, they're lined

up slightly to one side of the baffle. This reduces the possibility of driver/baffle reflections and frequency variations.

8-OHM IMPEDANCE

To achieve apparent high efficiency, many loudspeakers have a lower impedance at certain portions of the frequency spectrum. This may be ear-catching in a store, but can cause undue strain on an amplifier. JBL TLX Series speakers are extremely efficient and are accurately rated at 8 ohms. You can safely drive an extension pair at the same time as the main pair.

BEAUTIFUL SOUND AND THE LOOKS TO MATCH

The TLX Series proves that exotic materials and technology don't have to result in a loudspeaker that looks exotic. These speakers look right at home in any home.

FOUR MODELS IN ALL. ALL STRIKINGLY SIMILAR

From the smallest two-way to the largest three-way, the JBL TLX Series Loudspeakers are far more similar than they are different.

All four utilize the vapor deposited titanium laminate tweeter, and have laminated high polymer cone drivers. All four share JBL's professional approach to crossover design, enclosure construction, linear response, efficiency, and power handling. All four feature the unique floating grilles.

The differences? Mostly: size, maximum available output (loudness), and the ability to reproduce very low frequencies and the lowest low frequencies.

Let room size, volume requirements, and your pocketbook, be your guides. But let

any JBL TLX Series Loudspeaker be your guide to accurate, wide range, dynamic reproduction.

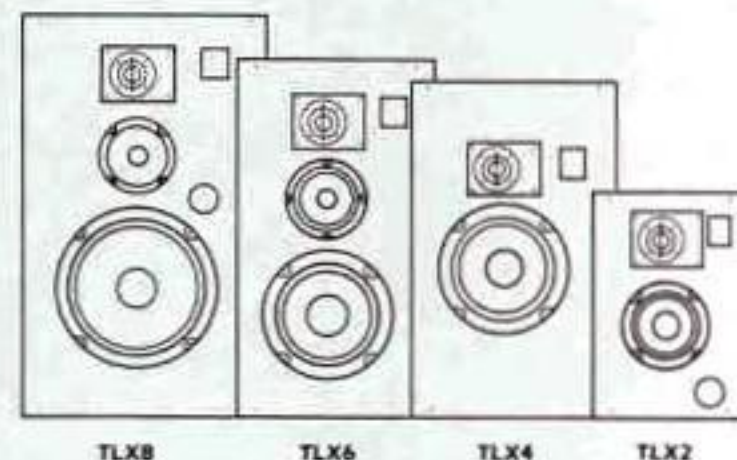
THE TLX SYSTEMS:

TLX2: Two-way system with 165mm (6½-inch) laminated high polymer woofer and TLX dome tweeter. Ideal for smaller rooms and stand/shelf placement.

TLX4: Two-way system with 200mm (8-inch) laminated high polymer woofer and TLX dome tweeter. For small to medium size rooms and increased bass response.

TLX6: Three-way system with 200mm (8-inch) laminated high polymer woofer, laminated high polymer mid-range, and TLX dome tweeter. For larger rooms, high power handling, and shelf placement.

TLX8: Three-way system with 250mm (10-inch) laminated high polymer woofer, laminated high polymer midrange, and TLX dome tweeter. For very large rooms, high volume levels, and deep bass response. An excellent alternative to the loudspeakers included with most of the packaged rack systems.



SPECIFICATIONS	TLX2	TLX4	TLX6	TLX8
Recommended Amplifier Power Range	10-75 watts per channel	10-100 watts per channel	10-125 watts per channel	10-150 watts per channel
Nominal Impedance	8 ohms	8 ohms	8 ohms	8 ohms
Sensitivity ¹	89 dB SPL	90 dB SPL	91 dB SPL	91 dB SPL
Crossover Frequencies	3.6 kHz	2.5 kHz	1.1 kHz; 3.4 kHz	1.1 kHz; 3.4 kHz
Low Frequency Loudspeaker	6½ inches (165 mm) diameter	8 inches (200 mm) diameter	8 inches (200 mm) diameter	10 inches (250 mm) diameter
Midrange Loudspeaker	—	—	5 inches (130 mm) diameter	5 inches (130 mm) diameter
High Frequency Loudspeaker	1-inch (25 mm) titanium laminate dome	1-inch (25 mm) titanium laminate dome	1-inch (25 mm) titanium laminate dome	1-inch (25 mm) titanium laminate dome
Enclosure Finish	Walnut-grained and black vinyl	Walnut-grained and black vinyl	Walnut-grained and black vinyl	Walnut-grained and black vinyl
Grille Color	Brown	Brown	Brown	Brown
Dimensions	14¾ in H x 10 in W x 9¼ in D (375 mm x 254 mm x 235 mm)	22 in H x 13¼ W x 9¼ in D (559 mm x 337 mm x 235 mm)	23 in H x 12¾ in W x 10¼ in D (584 mm x 324 mm x 260 mm)	26 in H x 14¾ in W x 10¼ in D (660 mm x 375 mm x 260 mm)
Shipping Weight	39 lb (17.7 kg) ²	70 lb (32 kg) ²	36 lb (16.4 kg)	42 lb (19.1 kg)

1. Sensitivity measured with a 2.83 V input at a distance of 1 meter. 2.83 V is equivalent to 1 watt into an 8-ohm load.
2. The TLX2 and TLX4 are packed in pairs.



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