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# V i s i o n o



# f S o u n d

The JBL TiK Series establishes a new paradigm of excellence for groundbreaking acoustic engineering, for engaging musicality and for innovative sculptural design. The monumental elegance of these

handsome works of art is also an



integral aspect of their stunning audio performance. The unparalleled musicality of the JBL

TiK loudspeaker range is your assurance that the subtlest nuances and full emotional impact of your favorite music will be conveyed in a convincing recreation of the original event. Finished in radiant Beech or stately Black, the JBL TiK loudspeaker series will set the standard for years to come.







## The sleekly curvaceous TiK sonic sculptures are every bit as functional as they are beautiful.

Where most loudspeaker cabinets include three sets of parallel surfaces (top/bottom, left/right, front/rear), the TiK bending trapezoid consists of only five surfaces, eliminating a source of vibration and enhancing structural integrity which is further improved by extensive internal bracing. The absence of parallel surfaces within the cabinet eliminates resonance as well as internal standing waves. The curvaceous TiK form is the result of a complex wood molding process developed by expert Scandinavian furniture builders. Tightly controlled curvature and extreme structural integrity are achieved by bonding seven layers of MDF under high pressure, resulting in a material more rigid than a wood panel of comparable thickness. The slender front panels provide diffraction damping and reduce the effects of edge reflections, creating an ideal platform for the custom-designed JBL TiK drivers which are flush-mounted in the 25 mm MDF front panel for an air-tight seal using non-magnetic stainless steel screws.



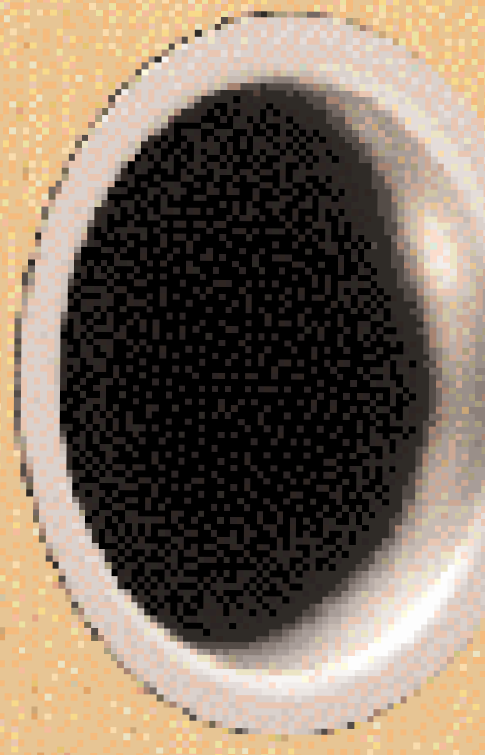
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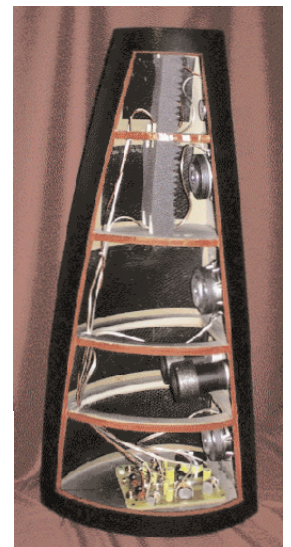


## In order to convey the open, airy “sweetness” of the upper frequency range,

the TiK Series highlights perhaps the most advanced dome tweeter in the world, taking the remarkable achievement of JBL's pure Titanium dome driver technology a giant step further. The pure Titanium dome is terminated in a soft surround which places the driver's resonant frequency well outside its operating range. To prevent the build-up of a disruptive captive air mass beneath the dome, the driver incorporates a rear pressure vent. Exceptional efficiency is achieved through the use of an aluminum voice coil with 50% lower mass than a typical coil employing more common copper windings. With a pure Titanium dome which acts as an effective heatsink for the voice coil, the TiK high frequency driver surpasses the competition in all critical areas: smoothness, transparency, efficiency, power handling and transient response. JBL engineers devised a novel midrange driver based on a 4" inverted dome of pure Titanium to seamlessly blend with the pure Titanium dome tweeter in the Ti10K and Ti6K. The inverted Titanium dome offers near-perfect pistonic motion, virtually eliminating distortion caused by break-up modes which occur when more conventional cone materials flex uncontrollably. Driven by a powerful neodymium magnet mounted inside the large (37 mm) voice coil, the magnetic system provides its own magnetic shielding. Because the voice coil drives the inverted Titanium dome precisely at its radius, resonances inherent in the cone material are canceled, allowing exceptionally wide, ruler-flat frequency response extending out to frequencies well beyond the crossover point. The uniform power response and fast transient response of the Titanium dome are an ideal match for the TiK Titanium tweeter.



**The low frequency foundation** of the TiK Series is established by custom-designed JBL drivers with Polypropylene cones co-molded with their surrounds in a single-step process for an ideal transition between cone and suspension, resulting in the ability to deliver high sound pressure levels without flexing or distortion. The drivers are built on cast aluminum chassis for precision alignment of cone, magnet and voice coil, while eliminating vibration and “ringing” in the chassis. The TiK bass drivers incorporate massive shorting rings to stabilize the magnet system. Additional reduction of distortion is achieved by JBL’s exclusive, patented Symmetrical Field Geometry (SFG) technology with a T-shaped ventilated pole piece to contain stray magnetism and generate a uniform magnetic field. The substantial voice coils employ edgewound flat wire to fully exploit the powerful magnetic systems, ensuring outstanding power handling and extremely low power compression. Ti10K and Ti6K employ dual bass drivers for increased efficiency and enhanced power handling, preserving the slender front and sleek lines without compromising low frequency extension and precision. The dual 8” units in the Ti10K have greater combined surface area than a typical slow, heavy 12” driver. Two bass units at carefully calculated distances from the floor reduce the deleterious effects of floor and ceiling reflections, ensuring consistently excellent sound in any living space.



**Each** TiK loudspeaker features separate heavy-duty, gold-plated screw terminals for each driver mounted in the base to allow the shortest possible speaker cable connection. While TiK speakers can be connected in a conventional single-wire/single-amp configuration, multiple electrically independent pairs of binding posts allow the serious audiophile to use specially selected cables for each frequency range or up to four dedicated power amplifiers. Ti10K and Ti6K include height-adjustable spikes with threaded inserts for ideal mechanical stability. Three-point support provides superior weight distribution and balance and tighter mechanical coupling to the floor. Fitted with spikes, the TiK speakers are immune to resonances in the floor itself, enabling them to deliver more controlled, dynamic deep bass and a more stable and accurate stereo image.







**Every** loudspeaker in the TiK Series is based on the same driver, enclosure and crossover technologies which led one reviewer to name the Ti10K “The best JBL loudspeaker ever.” All drivers and cabinets originate in JBL’s own advanced design and assembly facilities. An electro-plated film of pure Titanium on each TiK driver chassis adds a distinctive sheen to the rim of each driver. Isolated bass sub-enclosures with minimal acoustic damping in the Ti10K and Ti6K prevent interaction with the other drivers and contribute to the extreme dynamics and transient speed of the TiK Series. Inside surfaces are coated with a bituminous material for additional resonance damping of the enclosure. The low-loss phase-coherent crossover networks mounted in the loudspeaker base incorporate high quality internal wiring, sonically neutral components and time alignment circuitry. Input terminals are mounted directly on the crossover board for the shortest possible signal path.









# Specifications



**Ti10K:** Rec. Amplifier Power: 10 - 400 W  
Nominal Impedance: 6 Ohms  
Sensitivity (2.83V/1m): 91 dB  
Frequency Response: 30 Hz - 30 kHz  
Crossover Frequencies: 250 Hz/1 kHz/4 kHz  
Low Frequency Drivers: 2 x 8" (808J)  
Midrange Drivers: 4", 6 1/2" (804G, 806G-1)  
High Frequency Driver: 1" (TW 025Ti)  
Finish: Natural Beech or Black  
Grille Color: Black or Grey  
Placement: Floorstanding  
Dimensions (HxWxD): 129 x 410 x 57 cm  
Weight: 49 kg.



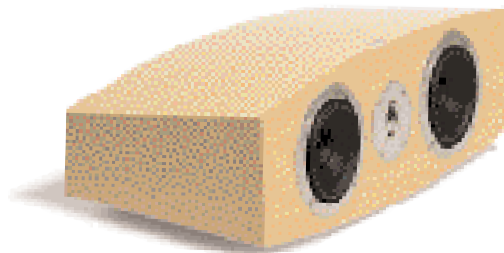
**Ti6K:** Rec. Amplifier Power: 10 - 300 W  
Nominal Impedance: 6 Ohms  
Sensitivity (2.83V/1m): 90 dB  
Frequency Response: 38 Hz - 30 kHz  
Crossover Frequencies: 400 Hz/3 kHz  
Low Frequency Drivers: 2 x 6 1/2" (806J)  
Midrange driver: 4" (804G)  
High Frequency Driver: 1" (TW 025Ti)  
Finish: Natural Beech or Black  
Grille Color: Black or Grey  
Placement: Floorstanding  
Dimensions (HxWxD): 110 x 38 x 53 cm  
Weight: 34 kg.



**Ti2K:** Rec. Amplifier Power: 10 - 200 W  
Nominal Impedance: 8 Ohms  
Sensitivity (2.83V/1m): 88 dB  
Frequency Response: 45 Hz - 30 kHz  
Crossover Frequency: 3 kHz  
Low/Mid Frequency Driver: 6 1/2" (806G-1)  
High Frequency Driver: 1" (TW 025Ti)  
Finish: Natural Beech or Black  
Grille Color: Black or Grey  
Placement: Stand (Optional)  
Dimensions (HxWxD): 42 x 28 x 42 cm  
Weight: 13 kg.



**TiK Center:** Rec. Amplifier Power: 10 - 100 W  
Nominal Impedance: 6 Ohms  
Sensitivity (2.83V/1m): 88 dB  
Frequency Response: 70 Hz - 30 kHz  
Crossover Frequency: 2.8 kHz  
Low/Mid Frequency Driver: 2 x 5 1/4"  
High Frequency Driver: 1" (TW 025Ti)  
Finish: Natural Beech or Black  
Grille Color: Black or Grey  
Dimensions (HxWxD): 19.5 x 58 x 29.5 cm  
Weight: 8.7 kg.





**Innovative technology and bold design** come together in the TiK Series in the service of your listening pleasure, transporting you to the original recording venue, generating a holographic image of singers and musicians performing just for you. TiK loudspeakers present an expansive soundstage with a natural sense of air and space between performers and a rich, vibrant palette of tonal colors. From the subtlest micro-dynamic shadings to the most potent dynamic passages, you will experience new nuances and details in your favorite music in a uniquely captivating, lively presentation. The TiK Series stands as the proud summation of JBL's first half century at the forefront of home entertainment.

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*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.*