

KOI Tiger Professional Powered Mini-Monitor Speaker System

The KOI Tiger is an extraordinary speaker system. It is *very* compact, yet delivers sonic performance of such high caliber that first-time listeners invariably express disbelief. The Tiger's unusual combination of small size, high sound quality, and high build quality make it an ideal speaker system for applications ranging from high-end consumer to professional monitoring.

Design Background

The basic physics underlying the acoustical behavior of loudspeakers has been well understood for decades, and it is unlikely that new principles will be discovered no matter how much money is expended on research. KOI believes, however, that there is much room for development in the understanding and application of psychoacoustics—the human perception of sound.

KOI has extensively sampled today's music, measuring energy spectra and environmental noise levels in order to optimize perceived performance. KOI has applied the information gained from these measurements to design a compact enclosure with high-efficiency drivers and matching electronics that deliver superior acoustic performance. Our **Human PsychoAcoustic[®]** technology is patent-pending.

KOI technology seeks to create ideal *point sources* of sound using smaller satellite speakers. Properly executed, such designs can deliver “virtual orchestra” music reproduction—natural-sounding and convincingly realistic in just about any room and any listening position.



Product Highlights

The Tiger Mini-Satellite...

- employs KOI's unique HQ driver—the world's smallest transducer capable of full-range reproduction. (Please refer to the *KOI HQ Driver Technology Report* for more information.)
- is characterized by an exceptionally smooth amplitude response.
- delivers high power handling, high SPL capability, and high reliability thanks to patented KOI technologies.
- features a compact, lightweight, elegantly styled enclosure with unique physical characteristics that further promote uniform response and freedom from standing waves.
- avoids localization in the room and delivers wider energy dispersion for better stereo in all listening locations.
- is magnetically shielded for use near computer and TV CRT's.
- can be easily mounted on any wall or ceiling.
- features sophisticated, modern styling that complements virtually any household décor.
- exemplifies KOI's highly cost-efficient design philosophy: the satellite has only three basic components which are assembled with one screw—by employing innovative production techniques, KOI products deliver maximum quality and value to the end-user.



The Tiger Subwoofer...

- uses advanced KOI technology to produce smooth, natural-sounding bass from a surprisingly compact cabinet that can be placed just about anywhere in the room.
- features a high-reliability IC amplifier module that utilizes the high air movement velocity generated by KOI's patented Synchro-Balance-Bass "V-port" for efficient cooling without an expensive, bulky heat sink.
- delivers deep, tight bass, fully capable of meeting the demands of today's music spectra.
- employs smart-electronics power-smoother technology for enhanced low-frequency reproduction.
- features an elegant, small-footprint design to complement today's lifestyles.
- provides three sets of inputs with a range of sensitivities to accommodate multiple, switchable sources of various types.



Tiger subwoofer front and rear panels

Applications

The extraordinarily small size of the KOI Tiger—plus its laboratory-reference-standard sonic performance—make it an excellent choice for numerous advanced applications.

In professional environments, the Tiger can serve as a secondary close-field recording monitor in large studios, a primary monitor in smaller studios, an instrument amplifier/speaker, or a location monitor.

Discerning home users who do not wish to have large speaker systems in their music listening rooms or by the sides of their TV's or computer displays will appreciate the refined yet potent sonic capabilities of the diminutive KOI Tiger.



Tiger amplifier module, featuring patented Human PsychoAcoustic® technology

More Information

The Tiger is a "flagship" product that effectively showcases KOI's design philosophies, technologies, and capabilities. The design features and components of the Tiger are building blocks that are being scaled and reconfigured to address a broad range of industrial and consumer applications, such as business presentation products and multichannel home theater speaker systems.

The "flat" TV's, computer displays, and video projection systems that are now being developed will require superior audio performance with much smaller speaker size to minimize living space intrusion—a requirement that KOI is uniquely poised to fulfill.

KOI's unequalled driver miniaturization technologies and proprietary space-saving bass module designs are also ideal for automotive and other mobile applications.

Please contact KOI for more information.

The KOI Tiger is a recipient of the 2001 International CES Design and Engineering Innovations Award.

