



Indiana Line Lira 7 – center loudspeaker

The Indiana Line Lira 7 center channel loudspeaker is a crucial component of any home theater system built around the Lira series. It has been specifically engineered to deliver crystal-clear movie dialogues and handle the high dynamic range of film and television soundtracks. Thanks to the implementation of the Symbiotic Drive design philosophy, Lira 7 maintains absolute tonal consistency within a multi-channel setup. It is an excellent choice for home theater enthusiasts who expect not only an engaging and lively sonic presentation but also an elegant design.

Proprietary Symbiotic Drive concept

The Lira 7 is based on the Symbiotic Drive concept, where the cabinet, drive units, and crossover network are developed holistically as a cohesive, unified system in a single development process. In practice, this ensures seamless integration of all components. The materials utilized – including woven Curv polypropylene, an aluminum-magnesium (Al-Mg) alloy, and MDF – were carefully selected for their rigidity and resonance control properties. This translates to cleaner audio reproduction and enhanced driver stability. The minimalist aesthetic of the front baffle is subtly accentuated by elegant trim rings that discreetly conceal the midwoofer mounting screws.

Stylish design, innovative craftsmanship

The robust cabinet of the Lira 7 is constructed from MDF and finished with multiple coats of durable matte lacquer. Inside, the enclosure is reinforced with internal bamboo bracing, effectively mitigating unwanted cabinet resonance. The gently sloped front baffle facilitates a better propagation of mid- and high frequencies towards the ceiling, significantly improving soundstage coherence and dialogue localization. The loudspeaker perfectly complements the styling of the entire Lira series, distinguished by its immaculate finish and meticulously considered details. Included is an acoustically transparent, magnetically attached grille that, once installed, gives the speaker the appearance of a sleek monolith.

Pristine and precise high frequencies

High frequencies are reproduced by a 28-mm aluminum-magnesium alloy dome tweeter. The proprietary 3D-Guide waveguide, paired with the EQ-Ring phase plug, helps achieve an extraordinarily wide sweet spot – a crucial advantage in home theater applications. A hybrid damping chamber positioned directly behind the dome effectively reduces rear-membrane resonances, resulting in remarkably clean and well-controlled treble. The tweeter is driven by a powerful neodymium magnet system, while an integrated copper cap ensures thermal stability and minimizes signal distortion.

Advanced midwoofers

Flanking the tweeter symmetrically are two highly efficient 150-millimeter midwoofers featuring cones made of Curv (woven polypropylene). Their design utilizes die-cast aluminum baskets and ferrite magnet motor structures, which are equipped with triple shorting rings to maintain strict inductance control. The innovative, second-generation Dual-Wave surround allows for smooth, wide-bandwidth excursion, significantly reducing coloration. In practice, this delivers outstanding dialogue clarity and tighter, more articulated bass performance.

Technical Specifications of the Lira 7:

- Engineered using the holistic Symbiotic Drive concept
- 2-way center channel loudspeaker
- MDF cabinet with a 21 mm thick sloped front baffle
- Internal bamboo bracing
- Rear-firing bass-reflex design
- 28 mm aluminum-magnesium (Al-Mg) dome tweeter
- 3D-Guide waveguide and EQ-Ring phase plug on the tweeter
- Two 150 mm mid-bass drivers with Curv cones
- Second-generation Dual-Wave surround on the mid-woofers
- Multi-layered, durable matte lacquer finish
- Magnetically attached grille
- Frequency response: 45 Hz to 30 kHz
- Crossover frequency: 3 kHz
- Suggested amplifier power: 30–100 W
- Sensitivity (2.83 V/1 m): 90 dB
- Dimensions (H x W x D): 175 x 480 x 240 mm
- Weight: 9 kg

Optimized crossover

An optimal operating environment for all Lira 7 components is provided by a refined, two-way crossover network, built using non-inductive resistors, polypropylene capacitors, and air-core inductors. The crossover topology minimizes phase shifts between the drivers, directly enhancing the naturalness of the sonic presentation. It also incorporates dedicated LC-Traps filter networks that smooth out the high-frequency response. The result is an expansive, well-defined, and beautifully organized soundstage.

Home theater realism

The Lira 7 features a precisely tuned bass-reflex system with a rear-firing port. This configuration yields a fuller bass extension with help of the wall proximity. The seamless integration of these advanced technologies allows Lira 7 to easily satisfy the demands of even the most discerning home theater enthusiasts. The loudspeaker impresses with its mature presentation, absolute transparency, and dynamic bass, ultimately offering flawless reproduction of cinematic dialogue.