



## Indiana Line Lira 2 – bookshelf loudspeaker

The Indiana Line Lira 2 is a two-way bookshelf loudspeaker designed for small to medium-sized rooms (approx. 10–20 m<sup>2</sup>). It performs exceptionally well in stereo setups and serves as a surround loudspeaker in home cinema systems, delivering a clean, musical sound and surprising bass depth and control for its size. This model is the perfect choice for those looking to step up to a higher echelon of high-fidelity sound without building a complex and demanding system.

### The innovative Symbiotic Drive concept

Lira 2 is the culmination of the extensive experience of Indiana Line engineers and a thoroughly innovative approach to design. The loudspeaker is built upon the proprietary Symbiotic Drive philosophy, which involves developing the cabinet, drive units, and crossover network as a single, cohesive electroacoustic system in a synergistic design process. Carefully selected materials are used throughout production, including woven polypropylene (Curv), an aluminum-magnesium alloy (Al-Mg), robust MDF, and natural bamboo wood. This is complemented by a minimalist design with no visible mounting screws on the front baffle, granting the construction an exceptionally elegant look.

### Form in the service of perfect sound

A slight rearward tilt of the Lira 2 cabinet helps improve the time alignment of the drivers at the primary listening position. The side walls, tapering upwards and towards the rear, not only lend the speaker visual lightness but, above all, effectively reduce the risk of internal standing waves. Crafted from solid MDF and finished with a multi-layer, scratch-resistant matte lacquer, the cabinet ensures longevity. Furthermore, internal bamboo bracing and a massive 21-mm front baffle effectively minimize unwanted resonances.

### **Design inspired by a classic instrument**

Every unit is equipped with a magnetically attached grille made of acoustically neutral material. When in place, the Lira 2 presents a remarkably cohesive and elegant appearance. The unique profile of the loudspeaker is highlighted by a precisely contoured frame that accentuates the bold lateral lines of the cabinet. In terms of design, Indiana Line's latest offering subtly nods to the harmonious curves of the ancient lyre, proving that classical beauty can be successfully merged with the latest industry trends.

### **Advanced Al-Mg high-frequency driver**

A cornerstone of the holistic Symbiotic Drive concept is the modern 28-millimeter tweeter, featuring an aluminum-magnesium (Al-Mg) alloy dome. It has been optimized for seamless integration with the mid-bass unit. The driver is mounted within a specialized 3D-Guide waveguide with an EQ-Ring phase plug, which improves off-axis sound dispersion. An integrated hybrid chamber effectively dampens resonances behind the dome, while the motor system relies on a powerful neodymium magnet with a copper insert, helping to reduce distortion and improve linearity. The result is clean, smooth, and detailed treble, offering a level of refinement rarely encountered in this price segment.

### **Natural midrange and a precise bass foundation**

Handling the midrange and low-frequency reproduction in the Lira 2 is a 150-millimeter driver with a Curv cone, mounted in a rigid, die-cast aluminum chas-

sis. This is one of the most sophisticated solutions in loudspeakers of this class. The advanced motor system, utilizing a ferrite magnet and three shorting rings, ensures control over inductance. Furthermore, the second-generation Dual-Wave surround handles demanding signals, preventing distortion even at high excursion. In practice, the midrange is transparent and natural – ideal for vocals and acoustic music – while the bass remains punchy and controlled at higher volumes.

### **Meticulously designed crossover network**

The crossover in the Lira 2 features a precisely tailored topology incorporating non-inductive resistors, air-core inductors, and polypropylene capacitors. The circuit is also equipped with specialized LC-Traps (corrective filters) that unlock the full potential of the drivers by dampening their internal resonances and improving clarity. Following the Symbiotic Drive concept, the crossover ensures phase synchronization between the drivers. As a result, the sound is cohesive and fluid.

### **Versatility and outstanding dynamics**

Although the bass-reflex port is located on the rear, the loudspeaker is best positioned with a maximum distance of 20 cm from the wall. Its tuning allows for a pleasant bass boost while maintaining a controlled sound. Thanks to these solutions, this compact loudspeaker impresses with its transparency, acoustic maturity, and well-controlled, punchy bass for its size. The Lira 2 works seamlessly with amplifiers from various manufacturers, making it an outstanding choice for diverse audio systems.



### Technical specifications of the Lira 2:

- Designed strictly according to the holistic Symbiotic Drive concept
- Two-way bookshelf loudspeaker design
- MDF cabinet featuring a massive 21 mm front baffle
- Rearward sloping front panel and non-parallel side walls
- Internal bracing crafted from black bamboo board
- Rear-firing bass-reflex port
- 28 mm tweeter featuring an aluminum-magnesium (Al-Mg) dome
- 3D-Guide waveguide and EQ-Ring phase plug for the high-frequency driver
- 150 mm mid-bass driver equipped with a Curv cone
- Second-generation Dual-Wave surround on the midwoofer
- Matte finish applied in multiple layers of durable lacquer (PE + PU)
- Acoustically transparent, magnetically attached grille
- Single-wire speaker terminals
- Frequency response: 48 Hz to 30 kHz
- Crossover frequency: 3 kHz
- Suggested amplifier power: 30 to 100 W
- Sensitivity (2.83 V / 1 m): 87 dB
- Dimensions (H x W x D): 300 x 185 x 250 mm
- Weight: 5.5 kg