



quint audio

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### **The L-series**

The most scalable system that grows with your business.



## Why the L-series?

The L-Series is specifically designed for rental companies and audio professionals who demand scalable, versatile sound reinforcement systems. Built primarily for touring applications yet equally suited to permanent installations, these loudspeakers excel across a wide range of events, from intimate weddings, trade shows, and exhibitions to theatre productions, live music performances, and large festivals.

Featuring an elegant, integrated mounting system and modular design, the L-Series allows effortless configuration to achieve precise coverage and sound pressure levels, whether for small gatherings or major productions. This ensures that a single, cohesive system can adapt seamlessly to any application, growing with your needs while delivering uncompromising performance.

## Models

The L-series comprises two primary categories: line source modules (top cabinets) and subwoofers. Both are engineered for flexible deployment in stacked or flown configurations.

**Top Cabinets (Line Source Modules)** The L-series top cabinets include the following models:

- **L20:** The largest top module in the L-range, recommended for large-scale events. It features dual 10-inch drivers paired with a 4-inch/2.5-inch coaxial high-frequency compression driver, delivering full-range reproduction with a dispersion pattern of 110° × 12°.



- **L16:** A more compact counterpart to the L20, equipped with dual 8-inch drivers and the same 4-inch/2.5-inch coaxial compression driver. It maintains identical dispersion characteristics ( $110^\circ \times 12^\circ$ ) while offering high output capability. This module requires dedicated subwoofers to reach its full potential and is ideal for powerful yet compact sound solutions.



- **L10:** Particularly suited to theatre and production environments. This full-range line-array module incorporates a single 10-inch driver and two 1.7-inch high-frequency compression drivers, providing a dispersion of  $80^\circ \times 12^\circ$ . It enables compact full-range configurations.



Each module within the L-series can be used across small to large productions. This flexibility allows tailored system design for any scale. We are happy to assist in selecting the most appropriate module for your needs.



## Subwoofers

The L-series offers several subwoofer options to complement the top cabinets, enabling precise low-frequency tailoring per application. All subwoofers share identical dimensions and can be stacked or flown, for example, above or behind the tops in an array cluster.

The range includes three distinct types:

- **L Low:** A dual 15-inch cabinet optimized for mid-bass punch and clarity. Ideally flown within the array, it delivers articulate, far-reaching low-mid energy. When combined with the L Sub, it provides powerful, musical reproduction across the entire bass spectrum with uniform coverage. Flying the L Low also minimizes phase issues in the crossover region and adds headroom in the 100–300 Hz range.
- **L Sub:** A single 21-inch infra sub designed to authoritatively reproduce the lowest frequencies. It produces deep, highly tactile bass that forms the foundation of your sound system. Suitable for both flown and stacked deployment, it is frequently paired with the L Low for optimal results across the full low end, though it performs effectively standalone. This module extends the response into the extra octave beyond conventional systems.



- **L Bass:** A dual 18-inch subwoofer that bridges the characteristics of the L Low and L Sub. It combines best of both worlds into punchy mid-bass with deep extension in a single enclosure, offering exceptional versatility for everyday rental applications. While slightly less specialized than the dedicated models, its balanced performance makes it an excellent all-round choice.



L-series subwoofers can be freely combined to maximize scalability. Additional units can be added for increased output, or different types selected based on event-specific demands. Quint Audio provides full compatibility and expert guidance to ensure the best configuration for each scenario.

### Presets and System Optimization

To maintain consistent tonal balance regardless of configuration or system size, Quint Audio supplies carefully developed DSP presets for all kinds of system setups. These presets, loadable into our DSP, guarantee optimal, stable performance under any condition.

As an example: a system comprising four L20 tops stacked on two L Bass subwoofers places the tops at the ideal height (around 1.75 meters with any two subwoofers). Loading the corresponding preset delivers a fully measured, flat frequency response across the sub spectrum. Adding a third L Bass and switching to the adjusted preset maintains the same tonal character while significantly increasing headroom and maximum SPL. This seamless linearity, from compact to large-scale applications, underpins the strength and versatility of Quint Audio systems.

## System Simulation

To facilitate accurate planning and deployment, Quint Audio provides EASE Focus-compatible GLL data files for the L-series modules. These allow users to simulate various setups in EASE Focus 3 software, predicting coverage, sound pressure levels, frequency response, and array performance prior to installation.

GLL files and related resources are available for download from the support section of the Quint Audio website and from the AFMG EASE-Focus website. This capability enables precise configuration tailoring, whether for ground-stacked or flown arrays, ensuring optimal results in diverse venues. We are available to provide guidance on simulations or custom optimizations as needed.

## Application Areas

Events vary in size, making scalability a critical factor in sound system selection. The L-series excels in this regard. For smaller events, such as weddings or private parties, a compact configuration, such as a pair of L-series top cabinet modules on a single subwoofer, provides a surprising performance. For major productions like festivals, a full-blown line-array setup can be deployed, with multiple modules stacked or flown as needed.

All L-series components are compatible with each other and can be either ground-stacked or flown. This interoperability enables the creation of the ideal configuration for any venue with uncompromising sound quality.

## Key Benefits at a Glance

Investing in the Quint Audio L-series means acquiring a single, flexible platform that evolves with your operations. Notable advantages include:

- **Maximum scalability:** Start small and expand as needed—from a few modules to a complete festival-grade array.
- **Broad applicability:** Deploy as a full line-array for major events or as compact stacks for intimate settings, covering everything from corporate presentations to high-energy dance productions.
- **Cost efficiency:** One system addresses all requirements, optimizing equipment utilization and delivering strong long-term return on investment.
- **Ease of use:** Intuitive rigging via the integrated system enables fast, safe setup. Pre-programmed presets and system simulation ensure consistent premium sound quality, making the L-series accessible to experienced engineers and rental operators seeking reliable, straightforward solutions alike.

## Summary

The Quint Audio L-series provides a future-proof sound reinforcement system that adapts effortlessly to any environment. Whether starting modestly or scaling ambitiously from the outset, it delivers the performance required.

Interested in learning more? Visit the Quint Audio website for detailed information and to explore the complete L-series range.