

Q Series



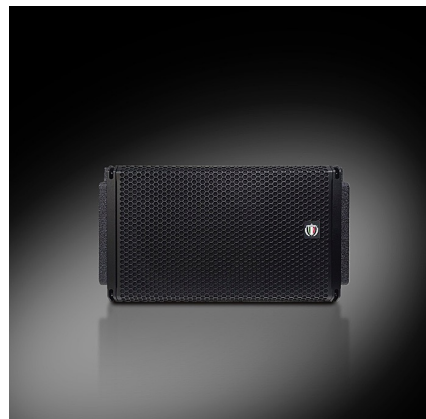
Q - 50

General Information

1x10" Passive/Bi-Amplified Line Array Speaker

The Q-50 is carefully designed & engineered to meet the rigorous demands of touring performances, rental services, and fixed installations. This bi-amplified & passive switchable model features one 10-inch neodymium drivers and two 1.4-inch high-frequency compression drivers, ensuring exceptional sound quality and performance.

Constructed from birch plywood, to ensure the longevity & great acoustics property for excellent vocal articulation & clarity at even it full load. It provides good horizontal coverage of 100°, allowing for optimal sound distribution in various environments. The integral rigging system facilitates easy installation and modular configuration, making the Q-50 an ideal choice for both touring and fixed installations for small to medium applications. Whether for concerts, live events, theaters, or outdoor venues, this line array speaker delivers reliable and powerful sound reinforcement.



System Applications

- Outdoor Events
- Fixed Installations
- Theaters and Auditoriums
- Places of worship

Features

- Exceptionally powerful & Unique design
- LF Driver – 1x10"
- HF Driver – 2x1.4"
- Mounting options available
- 100° (H) x 10 °(V) Horn design
- Birch plywood constructions

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Technical Specifications	
Type	Two-way full range Bi-amplified/passive switchable Line array loudspeaker
Frequency Response (-10 dB)	65 Hz – 20 kHz
LF Drivers	1x 10" (254 mm) with a 2.5" Voice Coil
HF Drivers	2 x 1.4" (35 mm) High Compression Driver
RMS Power	500W (Passive) / LF:350W, HF:150W (Bi-Amp)
Program Power	1000W (Passive) / LF:700W, HF:300W (Bi-Amp)
Peak Power	2000W (Passive) / LF:1400W, HF:600W (Bi-Amp)
Sensitivity (1W/1m)	101 dB SPL
Max SPL (Continuous/1m)	131 dB SPL (Passive/Bi-Amp)
Max SPL (Peak/1m)	134 dB SPL (Passive/Bi-Amp)
Nominal Impedance	LF : 8 Ohms & HF : 8 Ohms
Crossover Mode	Passive/Bi-amplified Switchable
Dispersion	100° (H) x 10 °(V)
Cabinet Material	Birch Plywood
Size (mm)	286 x 478 x 360mm (H x W x D)
Weight (Kg)/Lbs	16.8/37

Safety Instructions

- When flying speakers, appropriate hardware and techniques must be employed for safely suspending the enclosures.
- All speaker hardware and flying apparatus must be regularly inspected for any visual or mechanical failure.
- Leave adequate distance between speakers and the audience. Refer to your local authority for Health and Safety guidance when using loudspeaker systems.
- The Louis Martin digital controller should only be programmed by an authorized technician. Do not use Louis loudspeaker systems without the correct controller and the program. If a system fails due to incorrect controller use, warranty is void.
- Protect your speakers and electronics from exposure to humidity, water or rain.
- The loudspeakers and electronics are covered against defects in workmanship or materials for a period of two years from the original date of purchase. The warranty does not cover any item which in Louis's opinion has failed due to user abuse, accident, modifications.
- The defective item will be repaired/replaced with no charge for materials or labour. However, the item should be adequately packed and dispatched, pre-paid, to a Louis authorized distributor/service.