



## Key Features

- For Touring & Fixed Installations
- 1000W RMS Power in Passive Mode
- Crossover Modes: Passive / Bi-Amp Switchable
- Up to 16 Boxes per line can be installed with safety standards
- 2 x 12" Neodymium LF Driver 3" Voice Coil
- 2 x 3" Neodymium HF Compression Driver with 1.5" exit
- Integrated rigging system with stainless steel push-pins
- Touring grade textured black paint finish

The Q-80 is a precision-engineered line array speaker system designed to meet the high-performance demands of touring productions, rental operations, and fixed installations. Built for versatility, durability, and sonic excellence, it delivers consistent, powerful sound reinforcement across a wide range of applications. Support bi-amplified & passive switchable design offers flexible configuration for diverse audio setups.

Equipped with two premium 12-inch Neodymium driver and two 3-inch compression high-frequency driver, Provides a horizontal dispersion of 100°, ensuring consistent sound distribution across various venue types. Ideal choice for Concerts & Live Events, Outdoor Venues, Houses of Worship, Theaters & Auditoriums.

Constructed from high-density, multi-layer birch plywood, the enclosure is optimized for both permanent installation and rental use. The cabinet design prioritizes vocal intelligibility, sonic fidelity, and low distortion, while maintaining a responsive transient profile.

# Q80

2 x 12" High Power  
Line Array Speaker



## Technical Specifications

Type	Two-way full High Power Line Array System
Frequency Response (-10 dB)	60 Hz – 20 kHz
LF Drivers	2 x 12" (304 mm) Neodymium driver with 3" voice coil
HF Drivers	2 x 3" (75mm) HF Compression Driver with 1.5" Exit
Power (Passive Mode)	1000W (RMS) / 2000W (Program) / 4000W (Peak)
Power (Bi-amp Mode)	LF: 850W, HF: 150W (RMS) / LF: 1700W, HF: 300W (Program) LF: 3400W, HF: 600W (Peak)
Sensitivity (1W/1m)	103 dB
Max SPL (Continuous/Peak) 1m	136 dB / 139 dB
Nominal Impedance	8 Ohms (Passive/Bi-Amp)
Crossover Mode	Passive/Bi-amp Switchable
Dispersion	100°(H) x 10°(V)
Cabinet Material	High density multi-layer birch plywood
Size (mm)	348 x 910 x 520mm (H x W x D)
Weight (Kg)/Lbs	36.8/81.1



### 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