

Q-SYS PL-LA12

Two-way passive 12-in installation line array

KEY FEATURES

- 12-in LF transducer & two HF compression drivers in a bass-reflex enclosure
- Weatherized (IP54) ABS enclosure for indoor and protected outdoor environments
- QSC LEAF™ Waveguide provides superior acoustic performance
- Pairing with Q-SYS network amplifiers provides unique system optimization through custom voicings and filter sets
- Flyable with the PL-SUB18 installation subwoofer
- Black (RAL 9011)



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Two-way passive 12-in installation line array

The Q-SYS PL-LA12 is a two-way, passive installation loudspeaker designed to deliver premium sound for Q-SYS systems in a broader range of entertainment applications. From auditoriums and House of Worship to theatres and music venues, the PL-LA12 offers a high-performance line array ideal for front-of-house in small to medium sized venues. All of the PL Series loudspeakers take advantage of the power and performance delivered by the Q-SYS Platform, including simplified setup and custom voicings, rock-solid power via Q-SYS network amplifiers, advanced telemetry, monitoring and customizable end user control.

DELIVER THE RIGHT SYSTEM FOR YOUR CUSTOMERS

PL Series loudspeakers provide an abundance of options to ensure the right loudspeaker solution anywhere in the venue that requires higher performance audio.

The PL-LA12 is a two-way line-array featuring an 12-in transducer and two high-frequency compression drivers in a bass-reflex enclosure that provides a high-performance solution for front-of-house in small to medium sized venues such as auditoriums and concert halls. They feature the QSC Length-Equalized Acoustic Flare™ (QSC LEAF™) waveguide, providing superior acoustic performance through highly optimized internal sound paths. Combining the PL Series line arrays with Q-SYS network amplifiers also enables unique system optimization. Any addition to the line array or curvature change will change the tonal response, requiring high, mid, and low frequency balancing that Q-SYS delivers automatically with custom voicings and filter sets to simplify deployment and deliver optimal performance.

All of the PL Series loudspeakers feature a weatherized enclosure (IP54 rating), making them a perfect choice for indoor or protected outdoor applications. Pairing them with the Q-SYS Platform, including Q-SYS processing and network amplifiers extends a number of unique benefits from custom loudspeaker voicings (Intrinsic Correction™) and protection safeguards to advanced telemetry, helping to speed up deployment and deliver a more holistic system operation experience.

FULL CONTROL AND MONITORING FOR ENTERTAINMENT VENUES

The Q-SYS Platform offers a full-featured control engine that lets you deploy the right level of intuitive user control and system visibility for each stakeholder in the venue. Design an advanced system control interface with Q-SYS UCI Editor for the sound operators, containing any combination of gain, preset triggers, status indicators, telemetry data and more. Similarly, enlist Q-SYS Reflect Enterprise Manager to remotely monitor and manage the integrity of your system from anywhere, and even allow an offsite technician to identify and troubleshoot issues from any web browser.

SEAMLESS Q-SYS EXPERIENCE FOR ENTERTAINMENT VENUES AND COMPLEXES

PL Series performance loudspeakers are part of a comprehensive Q-SYS system portfolio that delivers a holistic audio, video and control experience for the entire venue. Whether you need foreground reinforcement for your performance area, background music in the lobbies or ancillary areas, collaboration in the meeting rooms, wide area audio distribution or third-party device integration and automation, the Q-SYS Platform ties these pieces to deliver a uniquely tailored experience throughout.

Q-SYS PL-LA12

Enclosure configuration	Bass reflex, two-way passive/bi-amp line array loudspeaker
Transducers	LF: 12 in (320 mm), 2.5 in (64 mm) voice coil, neodymium magnet HF: 2x compression driver, 1 in (25 mm) exit, 1.75 in (44 mm) voice coil
Coverage (horizontal x vertical)	90° x 15°
System bandwidth (-10dB with EQ)	53 Hz-20 kHz (no subwoofer)
System sensitivity	102.3 dB @ 1 W/1 m
LF sensitivity	TBD dB @ 1 W/1 m
HF sensitivity	TBD dB @ 1 W/1 m
Max SPL (continuous)¹	129 dB @ 1 W/1 m
System power rating²	49 Vrms, continuous 300 W @ 8 Ω, rated power 600 W @ 8 Ω
System impedance	8 Ω
LF impedance (nominal)	8 Ω
HF impedance (nominal)	8 Ω (two 16 Ω in parallel)
Connectors	2x SPEAKON NL4 (connector not provided) 1x Euroblock (parallel to Speakon): solid wire 8-24 AWG, 4 poles The connector is recessed and may be covered by an IP65 sealing plate.
Recommended amplifiers	Q-SYS CX-Q Series network amplifiers - up to four (4) loudspeakers per channel on CX-Q 8K4 - up to two (2) loudspeakers per channel on CX-Q 4K4
Maximum array quantity	Fly up to 12 loudspeakers
Rigging angles	0.5, 1.5, 3, 4.5, 6, 8, 10, 12
Enclosure material	Impact-resistant ABS
Enclosure color	Black (RAL 9011)
Grille thickness	16 Ga, 1.5 mm
Weatherization	IP54 Stainless screws UV and corrosion treated grille Aluminum rigging Hydrophobic stainless steel mesh behind grille Input cup (IP65) sealing with gland
Dimensions (HxWxD)	15.4 x 24.4 x 15.8 in (392 x 620 x 381 mm)
Weight	47 lbs (21.5 kg)
Accessories	PL-LA12-AF array frame PL-LA12-PB pull back bar

1. 1 m on-axis in free space; continuous IEC noise 6 dB crest factor into power rating

2. Continuous power: IEC265 noise, 6 dB crest factor, full-band voicing, 2 hours

Rated power: 12 dB crest factor music signal

