

**Q-SYS PL-LA8 Two
Way Passive 8 in
Installation Line
Array**



Q-SYS PL-LA8 Two Way Passive 8 in Installation Line Array Owner's Manual

[Home](#) » [q-sys](#) » Q-SYS PL-LA8 Two Way Passive 8 in Installation Line Array Owner's Manual 

Contents

- [1 Q-SYS PL-LA8 Two Way Passive 8 in Installation Line Array](#)
- [2 Product Usage Instructions](#)
- [3 FAQ](#)
- [4 KEY FEATURES](#)
- [5 DELIVER THE RIGHT SYSTEM FOR YOUR CUSTOMERS](#)
- [6 SPECIFICATIONS](#)
- [7 CONTACT](#)
- [8 Documents / Resources](#)
 - [8.1 References](#)



Q-SYS PL-LA8 Two Way Passive 8 in Installation Line Array



Product Usage Instructions

Installation

1. Choose the appropriate location for mounting the Q-SYS PL-LA8 line array.
2. Ensure proper rigging angles as per the venue requirements.
3. Connect the NL4 SpeakON connectors to the corresponding audio outputs.
4. If bi-amping, ensure to connect the LF and HF outputs to the respective power amplifiers.
5. Securely mount the line array using the provided accessories if necessary.

Operation

1. Power on the Q-SYS PL-LA8 line array and the connected amplifiers.
2. Adjust the volume levels on the amplifiers to achieve the desired sound output.
3. Utilize the Q-SYS Platform for advanced control and monitoring of the line array system.

FAQ

- **Q:** What is the maximum SPL of the Q-SYS PL-LA8 line array?
- **A:** The maximum SPL is 132 dB for passive mode and 136 dB for bi-amp mode.
- **Q:** What is the weatherization rating of the PL Series loudspeakers?

- **A:** The PL Series loudspeakers feature an IP54 weatherization rating for indoor or protected outdoor applications.
- **Q:** What are the recommended amplifiers for use with the Q-SYS PL-LA8 line array?
- **A:** The recommended amplifiers are from the Q-SYS CX-Q Series network amplifiers.

KEY FEATURES

- 8-in LF transducer & HF compression driver 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
- Black (RAL 9011)

Two-way passive 8-in installation line array

The Q-SYS PL-LA8 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-LA8 offers a high-performance line array ideal for front-of-house in small to medium-sized venues. PL Series performance loudspeakers pair a rich legacy of high-performance audio with the power and flexibility of Q-SYS to extend an integrated audio, video and control experience to your Front-of-house applications.

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-LA8 is a two-way line array featuring an 8-in transducer and high-frequency compression driver 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 optimized internal sound paths. Combining the PL Series line arrays with Q-SYS network amplifiers also enables advanced 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 some 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 are part of a comprehensive Q-SYS portfolio that lets you take advantage of industry-leading power amplification, flexible AV routing, intuitive control and robust processing capabilities to deliver a singular Q-SYS experience venue-wide. 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.

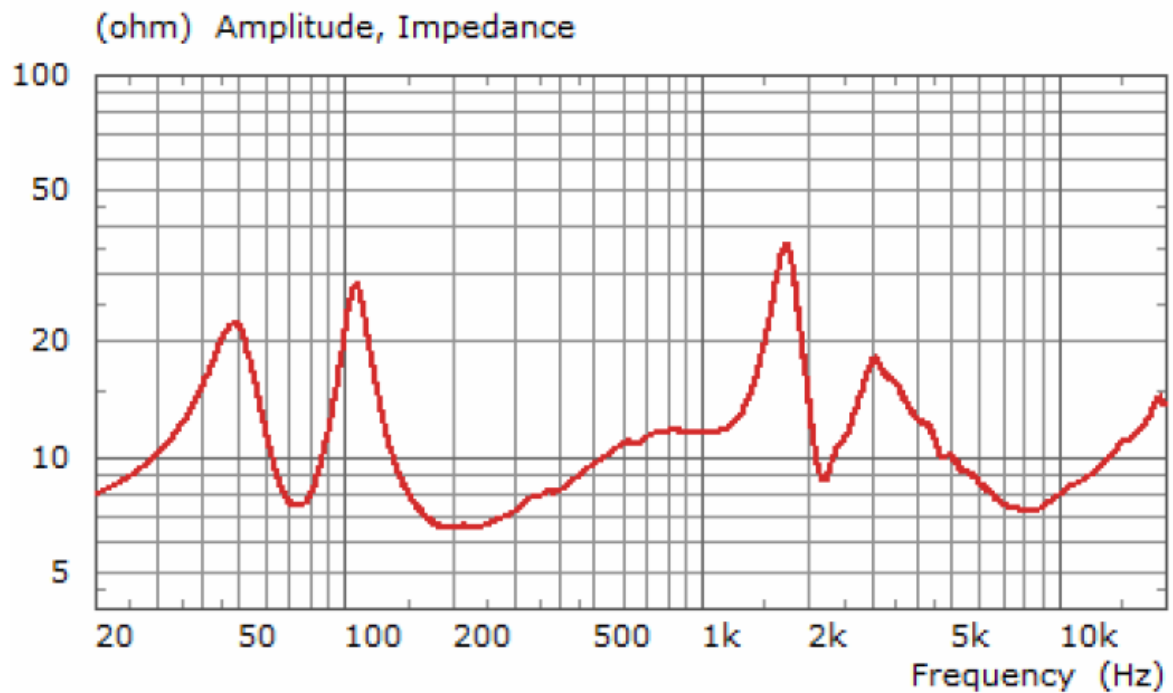
SPECIFICATIONS

Transducers	LF: 8 in (200 mm), 2 in (50.8 mm) voice coil, neodymium magnet HF: Compression driver, 1 in (25.4 mm) exit, 1.75 in (44.5 mm) voice coil
Enclosure configuration	Bass Reflex, two-way passive/bi-amp line array loudspeaker
Coverage (horizontal x vertical)	100° x 15°
System bandwidth ¹ (-10dB with EQ)	-3 dB: 69 Hz - 20 kHz -6 dB: 64 Hz - 20 kHz -10 dB: 60 Hz - 20 kHz
Crossover HF-LF	1.6 kHz (passive) 1.5 kHz (bi-amp)
Sensitivity ²	101.5 dB
LF sensitivity	91 dB
HF sensitivity	109 dB
Max SPL (continuous) ³	116 dB (passive) 120 dB (bi-amp)
Max SPL (peak) ⁴	128 dB (passive) 132 dB (bi-amp)
Max SPL (calculated) ⁵	132 dB (passive)
Power rating ⁶	46 Vrms, continuous power 260 W @ 8 Ω, rated power 520 W @ 8 Ω
LF power rating	45 Vrms, continuous power 250 W @ 8 Ω, rated power 500 W @ 8 Ω
HF power rating	31 Vrms, continuous power 60 W @ 16 Ω, rated power 120 W @ 16 Ω
Nominal impedance	8 Ω (passive), 8 Ω (LF), 16 Ω (HF)
Minimal impedance	6.5 Ω (passive), 7 Ω (LF), 12.8 Ω (HF)
Connectors	2x Speakon NL4 up to 10 AWG (6 mm ²). 1x Euroblock locking 4 poles (parallel to Speakon): 8 AWG (10 mm ²) The connector is recessed and may be covered by an IP65 sealing plate.
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	18 Ga, 1.2 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)	Net: 10.7 x 20.1 x 13.7 in (272 x 512 x 349 mm) Shipping: 13.6 x 22 x 18.5 in (345 x 560 x 470 mm)
Weight	Net: 27.4 lbs (12.4 kg) Shipping: 33.1 lbs (15 kg)
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
Accessories	PL-LA12-AF array frame PL-LA12-PB pull back bar LA-KIT-I (single deployment)

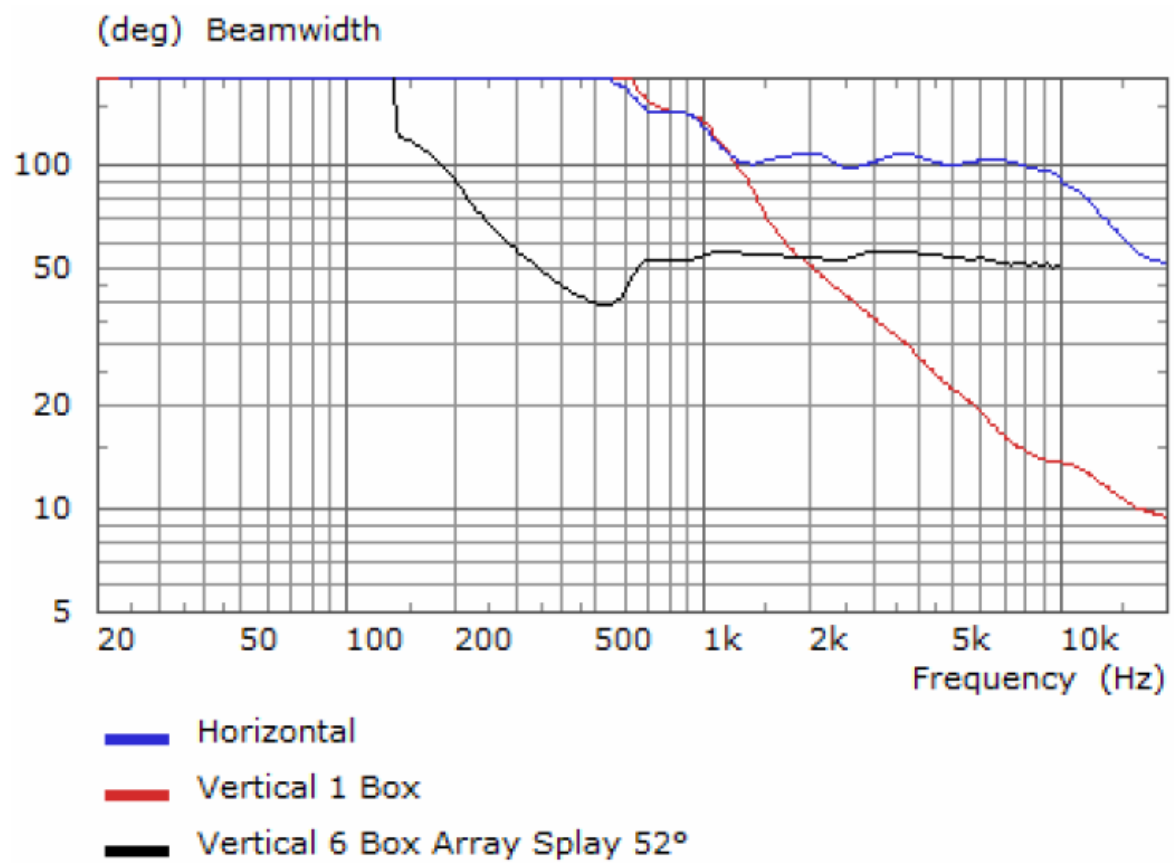
1. Default voicing, no sub-high pass, smoothed

2. 1 W/1 m, averaged on 200-10 kHz (System), 200-2 kHz (LF) or 1k-10 kHz(HF)
3. Used for simulation. Measured 1m on-axis in free space after 1mn. Pink noise 12 dB crest Factor into RMS protection, Z weight, RMS value
4. Same as continuous SPL +12 dB CF
5. Provided for reference with former specs, calculated from continuous noise power and sensitivity +6 dB, default horn
6. max voltage during 2 h without transducer permanent damage. The protection voltage will be lower.

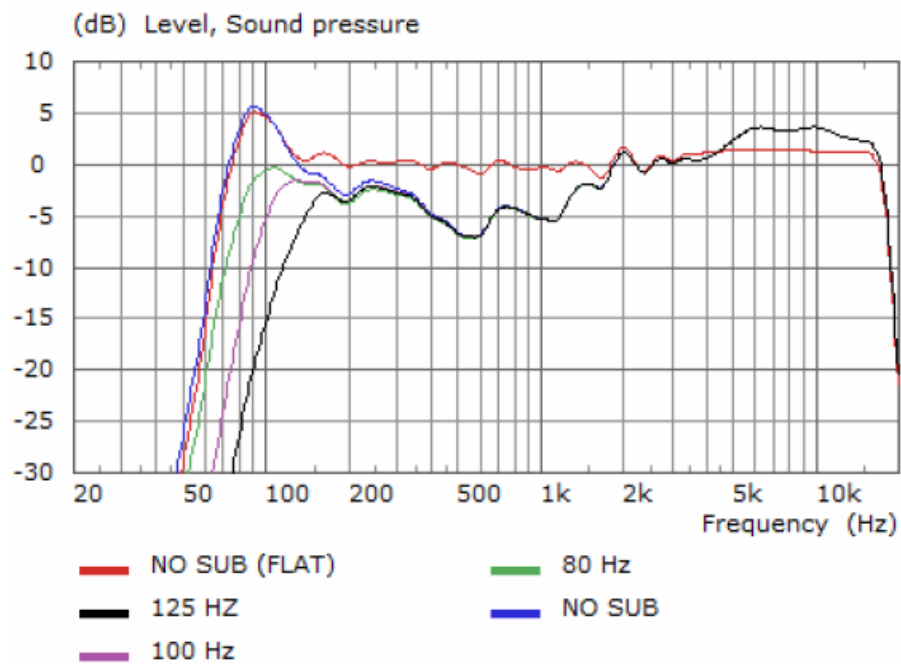
Impedance



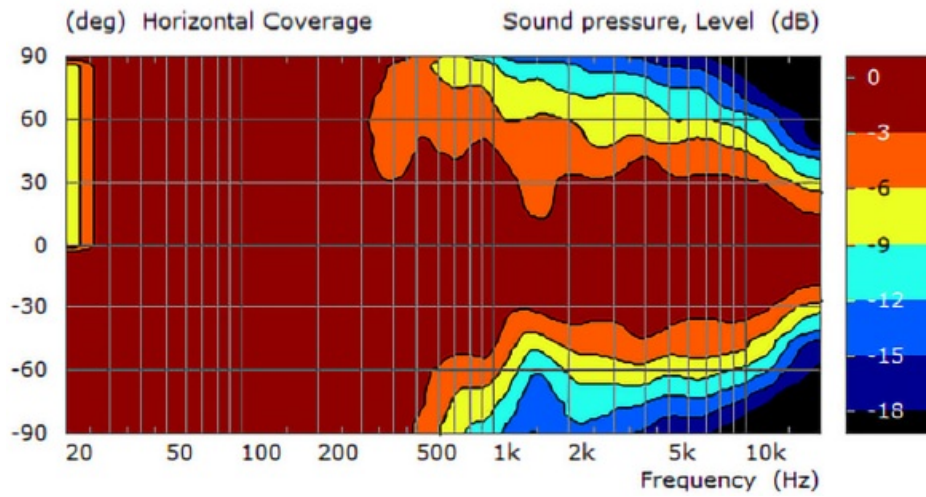
Beamwidth



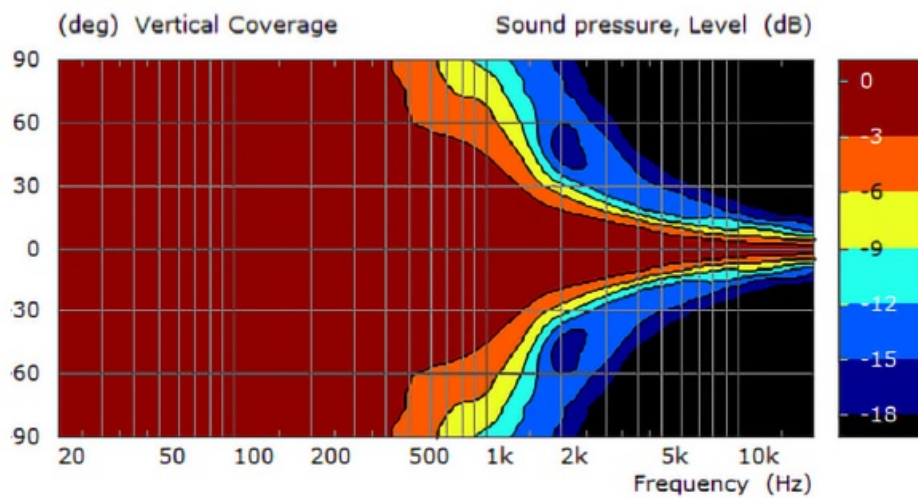
Frequency Response



Horizontal Coverage



Vertical Coverage




CONTACT

- +1-800-854-4079
- +1-714-754-6175
- WWW.QSYS.COM

© 2024 QSC, LLC all rights reserved. QSC, LLC's trademarks include but are not limited to Q-SYS™, Q-SYS logo, and all trademarks are listed under www.qsys.com/trademarks, some of which are registered in the U.S. and/or other countries. All other trademarks are the property of their respective owners. 2/15/2024

Documents / Resources

	<p>Q-SYS PL-LA8 Two Way Passive 8 in Installation Line Array [pdf] Owner's Manual</p> <p>PL-LA8 Two Way Passive 8 in Installation Line Array, PL-LA8, Two Way Passive 8 in Installation Line Array, Passive 8 in Installation Line Array, in Installation Line Array, Installation Line Array, Line Array, Array</p>
---	--

References

- [!\[\]\(cd3e54d951a9fb854f48e4697cf550f9_img.jpg\) Q-SYS - Cloud-manageable Audio, Video and Control](#)
- [!\[\]\(cc729e263f29c0a76fbdc4cfe67fceb0_img.jpg\) Trademark Usage Guidelines | Q-SYS](#)
- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

This website is an independent publication and is neither affiliated with nor endorsed by any of the trademark owners. The "Bluetooth®" word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. The "Wi-Fi®" word mark and logos are registered trademarks owned by the Wi-Fi Alliance. Any use of these marks on this website does not imply any affiliation with or endorsement.