

**Q-SYS PL-SUB15**  
Passive Installation  
Subwoofer



# Q-SYS PL-SUB15 Passive Installation Subwoofer Owner's Manual

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**Q-SYS PL-SUB15 Passive Installation Subwoofer**



## FAQ

- **Q:** Can I use only one PL-SUB15 unit for my setup?
  - **A:** Yes, you can use one unit for your setup. However, for cardioid setup, a minimum of two units is required.
- **Q:** What amplifiers are recommended for the PL-SUB15?
  - **A:** We recommend using Q-SYS CX-Q Series 4ch network amplifiers with up to two loudspeakers per channel on CX-Q 8K4 and up to one loudspeaker per channel on the CX-Q 4K4.

## KEY FEATURES

- 15-in LF transducer in a bass-reflex enclosure
- Weatherized (IP54) wooden enclosure for indoor and protected outdoor environments
- Omnidirectional or cardioid radiation, selectable in Q-SYS (requires deployment of two or more subwoofers)
- Ground or flown deployment (M10 rigging points)
- Black (RAL 9011)

## INTRODUCTION AND USING

The Q-SYS PL-SUB15 is a passive installation subwoofer that features an 15-in, 4-in voice coil transducer in weatherized (IP54) wooden enclosure. Its compact form factor is suitable for a broad range of applications from entertainment and small sporting venues to corporate auditoriums or higher ed lecture halls. The integrated rigging hardware enables secured ground stacking or flying, while the complete audio experience of the PL Series loudspeakers are completed by 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. 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.

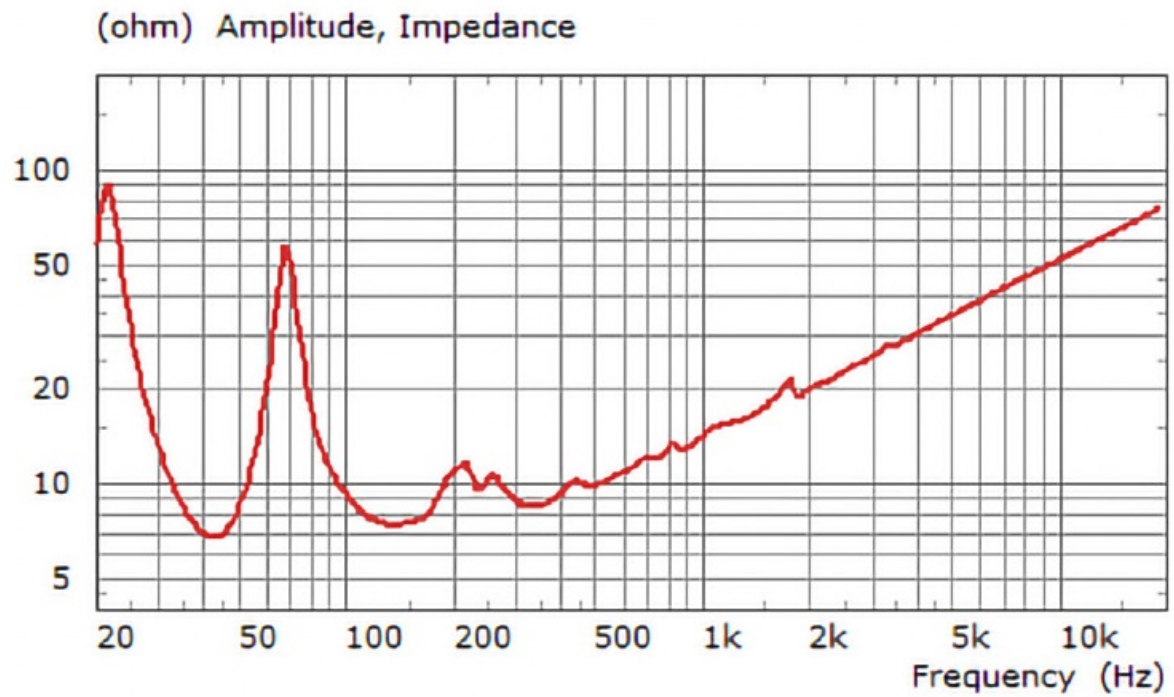
## SPECIFICATIONS

<b>Transducers</b>	LF: 15 in (380 mm), 4 in (100 mm) voice coil
<b>Enclosure configuration</b>	Passive subwoofer with bass reflex enclosure
<b>Coverage</b>	Omni-directional or cardioid radiation modes selectable in Q-SYS; cardioid setup requires minimum two (2) units
<b>System bandwidth<sup>1</sup> (-10dB with EQ)</b>	-3 dB: 41 Hz – 93 Hz -6 dB: 38 Hz – 104 Hz -10 dB: 34 Hz – 114 Hz
<b>System sensitivity<sup>2</sup></b>	96 dB 1 W/1 m
<b>Max SPL (continuous)<sup>3</sup></b>	124 dB
<b>Max SPL (peak)<sup>4</sup></b>	136 dB
<b>Max SPL (calculated)<sup>5</sup></b>	131 dB
<b>Power rating<sup>6</sup></b>	77 Vrms, continuous power 750 W @ 8 Ω, rated power 1500 W @ 8 Ω
<b>Nominal impedance</b>	8 Ω
<b>Minimal impedance</b>	6.8 Ω

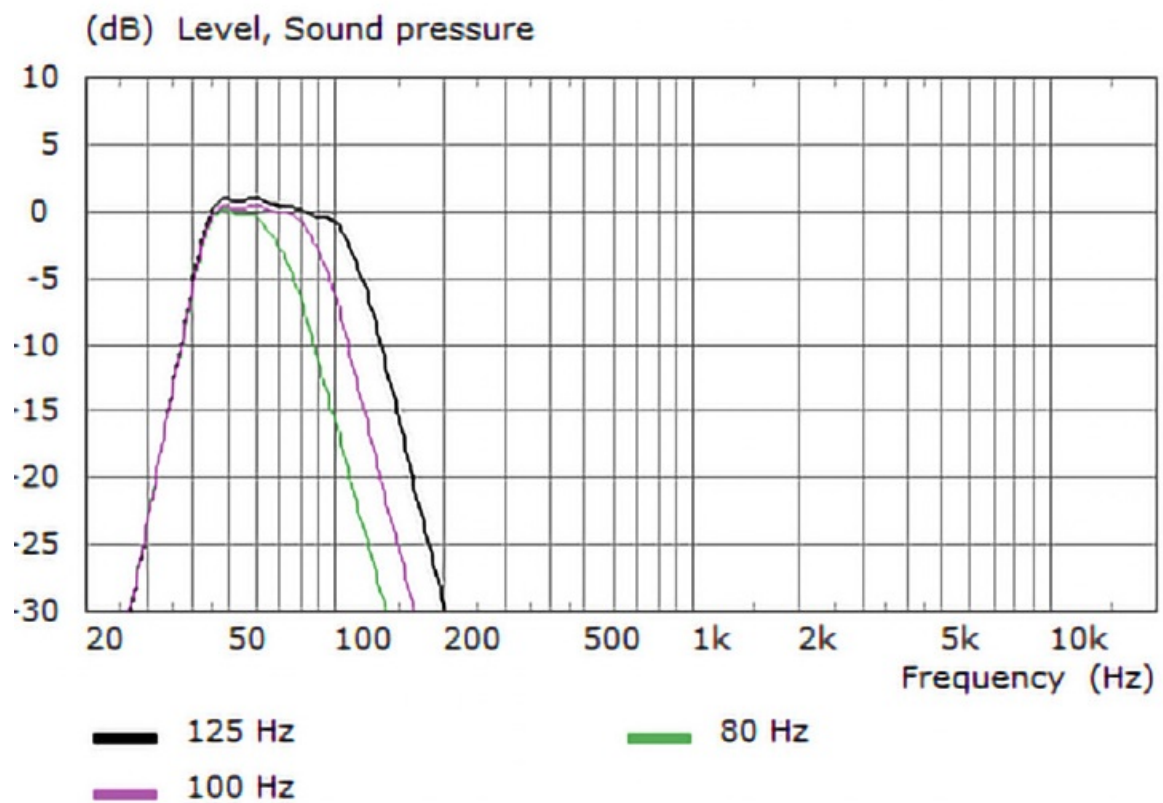
<b>Enclosure material</b>	Exterior plywood
<b>Enclosure color</b>	Black (RAL 9011)
<b>Grille thickness</b>	16 Ga, 1.5 mm
<b>Connectors</b>	2x Speakon NL4 up to 10 AWG (6 mm²). 1x Euroblock locking 4 poles (parallel to Speakon): 8 AWG (10 mm²) The connector is recessed and may be covered by an IP65 sealing plate.
<b>Weatherization</b>	IP54 External plywood Stainless screws Treated grille vs. UV and corrosion Hydrophobic stainless steel mesh behind the grille Polyurea Paint Input cup (IP65) sealing with gland
<b>Dimensions (H x W x D )</b>	Net: 15 x 23.5 x 27.1 in (380 x 598 x 690 mm) Shipping: 16.2 x 26.5 x 30.3 in (411 x 673 x 768 mm)
<b>Weight</b>	Net: 80 lbs (36.3 kg) Shipping: 96.0 lbs (43.6 kg)
<b>Accessories (sold separately)</b>	PL-SUB15-AF Array Frame M10 KIT
<b>Deployment</b>	Integrated rigging hardware allows connecting to the PL-SUB15-AF Array Frame  Link to PL-CA12 4x M10 on bottom 4x M10 on side
<b>Recommended amplifiers</b>	QQ-SYS CX-Q Series 4ch network amplifiers – up to two (2) loudspeakers per channel on CX-Q 8K4 – up to one (1) loudspeaker per channel on the CX-Q 4K4
<ol style="list-style-type: none"> <li>1. Default voicing, No sub High Pass, Smoothed</li> <li>2. 1 W/1 m, Averaged on 200-10 kHz (System), 200-2 kHz (LF) or 1k-10 kHz(HF)</li> <li>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</li> <li>4. Same as Continuous SPL +12 dB CF</li> <li>5. Provided for reference with former specs, Calculated from continuous noise power and sensitivity +6 dB, default horn</li> <li>6. Max voltage during 2 h without transducer permanent damage. Protection voltage will be lower.</li> </ol>	

## Frequency

## Impedance



## Frequency Response




## CONTACT

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**Documents / Resources**

	<p><a href="#">Q-SYS PL-SUB15 Passive Installation Subwoofer</a> [pdf] Owner's Manual</p> <p>PL-SUB15 Passive Installation Subwoofer, PL-SUB15, Passive Installation Subwoofer, Installati on Subwoofer, Subwoofer</p>
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**References**

- [User Manual](#)

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