

Q-SYS PL-SUB18
Passive Installation
Subwoofer



Q-SYS PL-SUB18 Passive Installation Subwoofer Owner's Manual

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Q-SYS PL-SUB18 Passive Installation Subwoofer



FAQ

- **Q:** Can the Q-SYS PL-SUB18 be used outdoors?
 - **A:** The PL-SUB18 is designed with weatherization features and an IP54 rating, making it suitable for outdoor use with protection against environmental elements.
- **Q:** How many loudspeakers can be connected to a Q-SYS CX-Q Series amplifier?
 - **A:** The CX-Q Series amplifiers support up to two loudspeakers per channel on the CX-Q 8K4 and up to one loudspeaker per channel on the CX-Q 4K4.

KEY FEATURES

- 18-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)
- Integrated rigging hardware for secure ground stacking or flying
- Flyable with the PL-LA12 line array (requires PL-LA12-AF array frame)
- Black (RAL 9011)

INTRODUCTION AND USING

The Q-SYS PL-SUB18 is a passive installation subwoofer that features an 18-in driver 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 and allows it to be flown with the Q-SYS PL-LA12 line array (requires LA-12-AF array

frame). 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

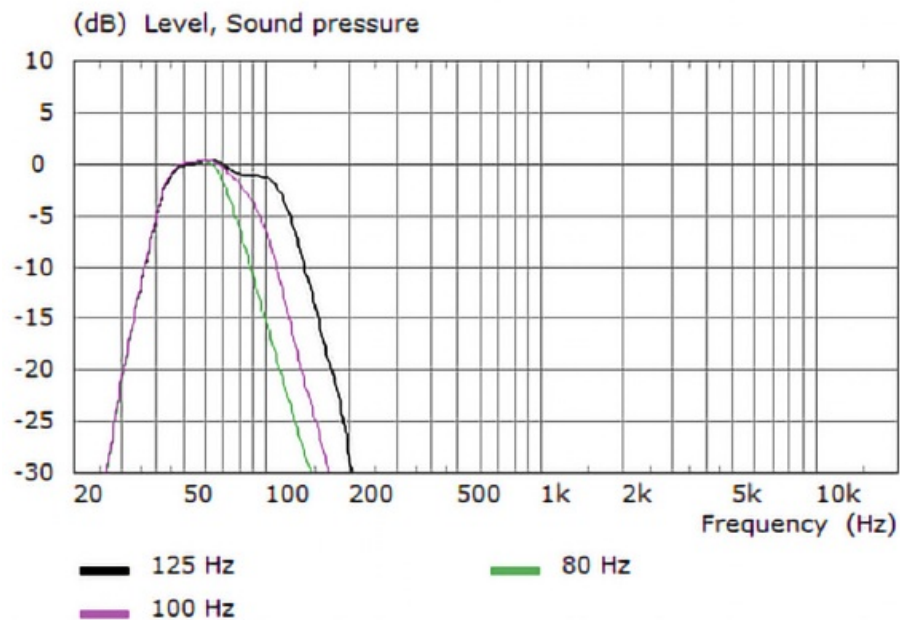
Transducers	LF: 18 in (460 mm), 4 in (101.6 mm) voice coil
Enclosure configuration	Passive subwoofer with bass reflex enclosure
Coverage	Omni-directional or cardioid radiation modes selectable in Q-SYS; cardioid setup requires minimum two (2) units
System bandwidth¹ (-10dB with EQ)	-3 dB: 38 Hz – 82 Hz -6 dB: 35 Hz – 90 Hz -10 dB: 32 Hz – 101 Hz
System sensitivity²	97 dB 1 W/1 m
Max SPL (continuous)³	126 dB
Max SPL (peak)⁴	138 dB

Max SPL (calculated) ⁵	132 dB
Power rating ⁶	77 Vrms, continuous power 750 W @ 8 Ω, rated power 1500 W @ 8 Ω
Nominal impedance	8 Ω
Minimal impedance	6 Ω
Enclosure material	Exterior plywood
Enclosure color	Black (RAL 9011)
Grille thickness	16 Ga, 1.5 mm
Connectors	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.
Weatherization	IP54 External plywood Stainless screws Treated grille vs. UV and corrosion Hydrophobic stainless steel mesh behind grille Polyurea Paint Input cup (IP65) sealing with gland
Dimensions (H x W x D)	Net: 20.9 x 24.4 x 29.2 (532 x 620 x 741 mm) Shipping: 22.3 x 29.3 x 35.3 in (565 x 743 x 895 mm)
Weight	Net: 102.2 lbs (46.3 kg) Shipping: 114.5 lbs (52 kg)
Accessories (sold separately)	PL-LA12-AF Array Frame
Deployment	Integrated retractable rigging hardware allows secure ground stacking or connecting to the PL-LA12-AF Array Frame Flyable with up to 12x PL-LA12 line array + PL-LA12-AF Array Frame
Recommended amplifiers	Q-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

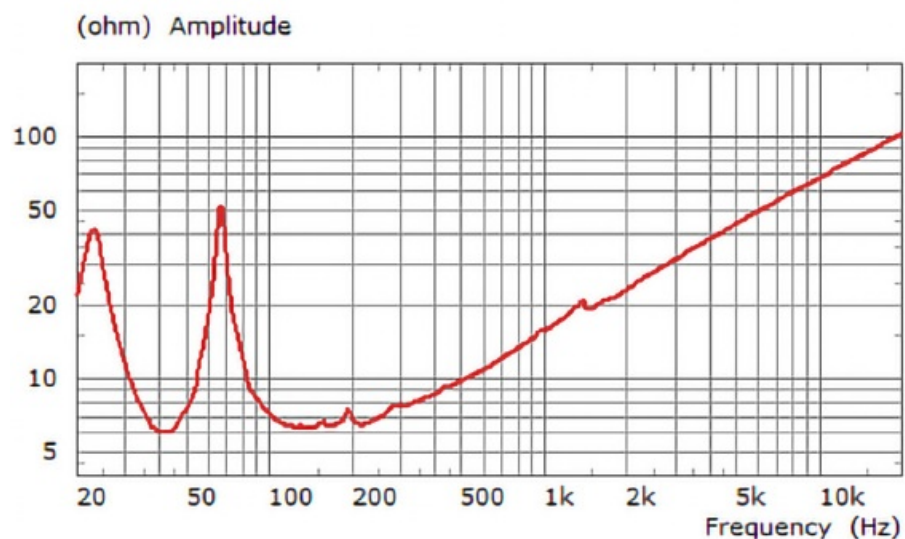
1. Default voicing, No sub High Pass, Smoothed
2. 1 W/1 m, Averaged on 200-10 kHz (System), 200-2 kHz (LF) or 1k-10 kHz(HF)
3. Used for simulation. Measured 1m on-axis in free space after 1mn. Pink noise 12 dB crest Factor into RMS protection, Z weight, RMS value
4. Same as Continuous SPL +12 dB CF
5. 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. Protection voltage will be lower.

Frequencies

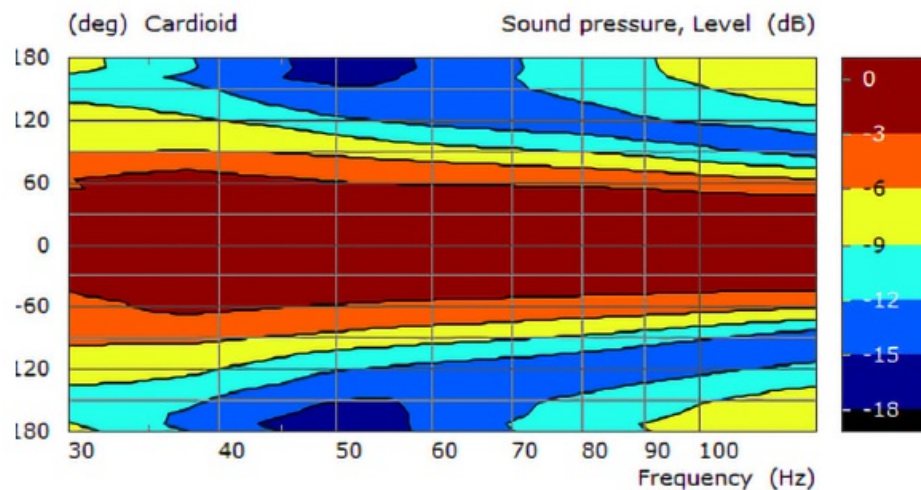
Impedance



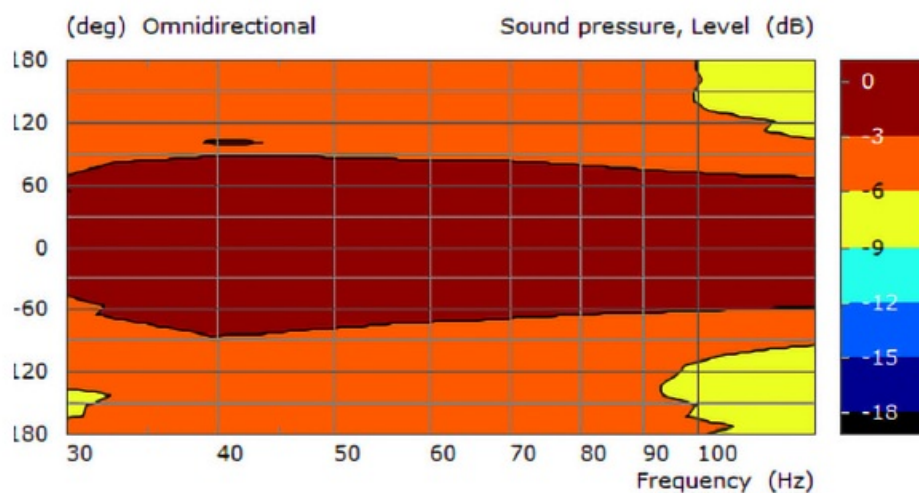
Frequency Response



Cardioid



Omnidirectional




CONTACT

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Documents / Resources

	<p>Q-SYS PL-SUB18 Passive Installation Subwoofer [pdf] Owner's Manual PL-SUB18 Passive Installation Subwoofer, PL-SUB18, Passive Installation Subwoofer, Installati on Subwoofer, Subwoofer</p>
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References

- [Q-SYS - Cloud-manageable Audio, Video and Control](#)
- [Trademark Usage Guidelines | Q-SYS](#)
- [User Manual](#)

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