

Q-SYS PL-SUB10 Passive Installation Subwoofer



Q-SYS PL-SUB10 Passive Installation Subwoofer Owner's Manual

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Q-SYS PL-SUB10 Passive Installation Subwoofer



Specifications

- **LF:** 10 in (250 mm), 3 in (76.2 mm) voice coil
- Passive subwoofer with bass reflex enclosure
- Omnidirectional
- **Frequency Response:**
 - **3 dB:** 48 Hz – 94 Hz
 - **6 dB:** 44 Hz – 104 Hz
 - **10 dB:** 41 Hz – 118 Hz
- 89 dB 1 W/1 m
- 121 dB SPL
- 133 dB peak SPL
- 122 dB continuous SPL
- **Recommended Amplifiers:** 60 Vrms, continuous power 450 W @ 8Ω, rated power 900 W @ 8Ω
- **Impedance:** 8Ω
- **Exterior Material:** Plywood
- **Color:** Black (RAL 9011)
- **Material Thickness:** 16 Ga, 1.5 mm
- **Weatherization:** IP54
- **Accessories Included:** 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
- **Dimensions (H x W x D):**
 - **Net:** 11 x 16.7 x 20 in (280 x 425 x 510 mm)
 - **Shipping:** 12.3 x 19.9 x 23.6 in (311 x 505 x 600 mm)
- **Weight:**
 - **Net:** 41.8 lbs (19 kg)
 - **Shipping:** 50.2 lbs (22.8 kg)
- **Recommended Amplifiers:** Q-SYS CX-Q Series 4ch network amplifiers – up to two (3) loudspeakers per channel on CX-Q 8K4 – up to one (1) loudspeaker per channel on the CX-Q 4K4 – up to one (1) loudspeaker per channel on the CX-Q 2K4

Product Usage Instructions

Installation and Setup

1. Choose a suitable location for installing the Q-SYS PL-SUB10 subwoofer.
2. Ensure the area is well-ventilated and free from obstructions for optimal sound performance.
3. Connect the subwoofer to the recommended amplifiers as per the provided specifications.
4. Securely mount the subwoofer using the M10 kit provided.

Operation

1. Power on the amplifiers connected to the subwoofer.
2. Adjust the volume levels as needed for your audio setup.
3. Test the subwoofer with different audio sources to ensure proper functionality.

Frequently Asked Questions

Q: What is the impedance of the Q-SYS PL-SUB10?

A: The impedance of the Q-SYS PL-SUB10 is 8Ω.

Q: What is the frequency response range of the subwoofer?

A: The frequency response range of the Q-SYS PL-SUB10 is as follows:

- **3 dB:** 48 Hz – 94 Hz
- **6 dB:** 44 Hz – 104 Hz
- **10 dB:** 41 Hz – 118 Hz

Q: How should I weatherize the subwoofer for outdoor use?

A: The subwoofer is IP54-rated for weather protection. Ensure all connections are sealed properly and avoid direct exposure to elements.

KEY FEATURES

- 10-in LF transducer in a bass-reflex enclosure
- Weatherized (IP54) wooden enclosure for indoor and protected outdoor environments
- Ground or flown deployment (M10 rigging points)
- Black (RAL 9011)

INTRODUCTION

The Q-SYS PL-SUB10 is a passive installation subwoofer that features a 10-in transducer in a weatherized (IP54) wooden enclosure. Its compact form factor is suitable for a broad range of applications from entertainment to

corporate auditoriums or higher-ed lecture halls. 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.
- 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 OF 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 is 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.

Specification

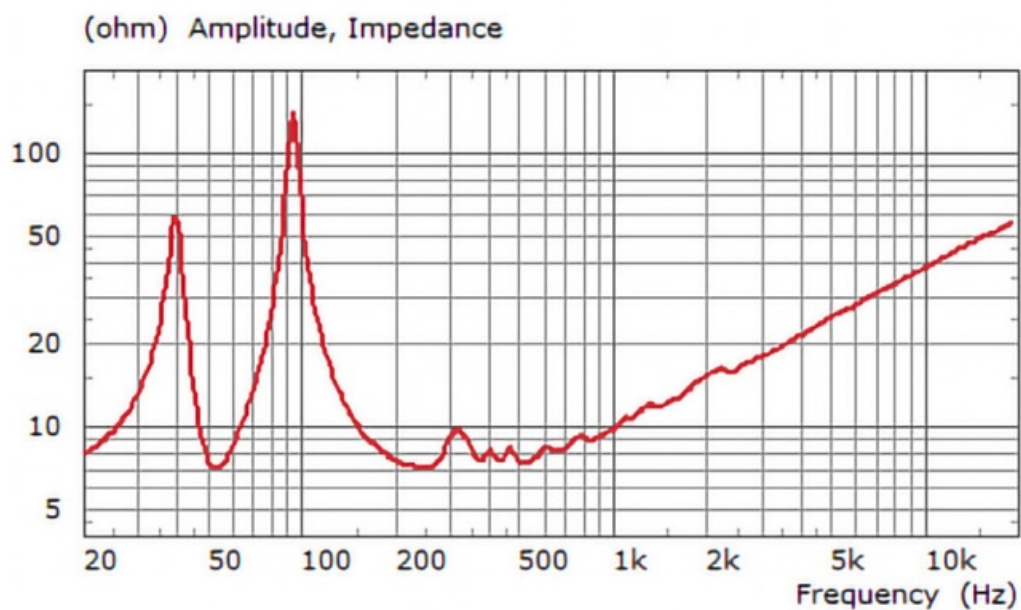
Transducers	LF: 10 in (250 mm), 3 in (76.2 mm) voice coil
Enclosure configuration	Passive subwoofer with bass reflex enclosure
Coverage	Omnidirectional
System bandwidth¹ (-10dB w ith EQ)	-3 dB: 48 Hz – 94 Hz -6 dB: 44 Hz – 104 Hz -10 dB: 41 Hz – 118 Hz
System sensitivity²	89 dB 1 W/1 m

Max SPL (continuous)³	121 dB
Max SPL (peak)⁴	133 dB
Max SPL (calculated)⁵	122 dB
Power rating⁶	60 Vrms, continuous power 450 W @ 8 Ω, rated power 900 W @ 8 Ω
Nominal impedance	8 Ω
Minimal impedance	6.9 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 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.
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: 11 x 16.7 x 20 in (280 x 425 x 510 mm) Shipping: 12.3 x 19.9 x 23.6 in (311 x 505 x 600 mm)
Weight	Net: 41.8 lbs (19 kg) Shipping: 50.2 lbs (22.8 kg)
Accessories (sold separately)	M10 KIT
Deployment	4x M10 on bottom 4x M10 on side
Recommended amplifiers	Q-SYS CX-Q Series 4ch network amplifiers up to two (3) loudspeakers per channel on CX-Q 8K4 up to one (1) loudspeaker per channel on the CX-Q 4K4 up to one (1) loudspeaker per channel on the CX-Q 2K4

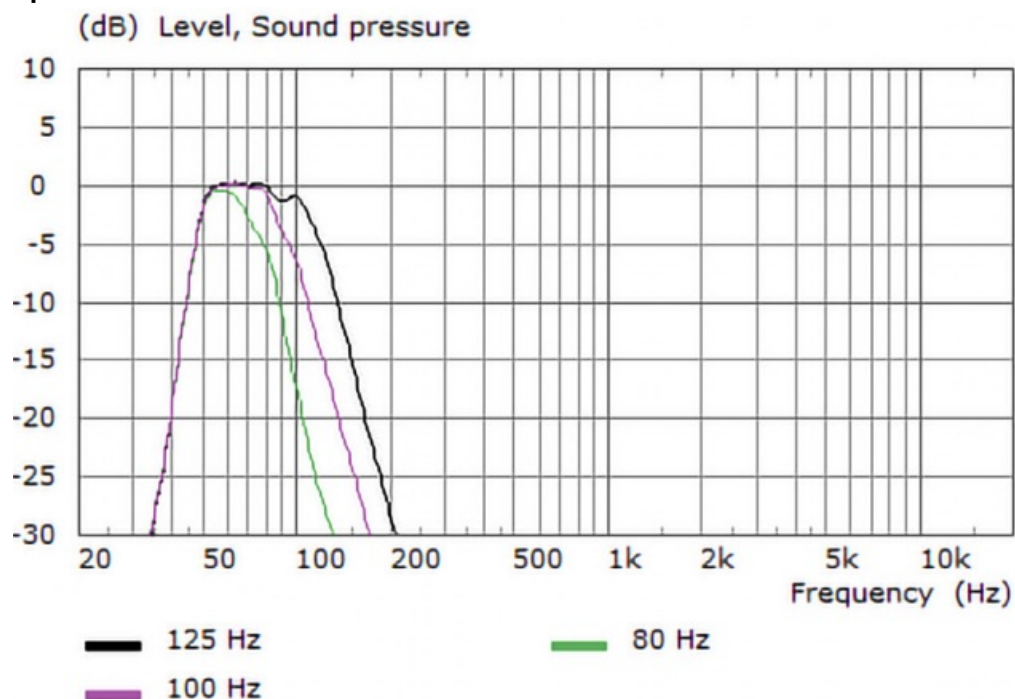
1. Default voicing, no sub-high pass, smoothed
2. 1 W/1 m, averaged on 200-10 kHz (system), 200-2 kHz (LF) or 1k-10 kHz(HF)
3. Used for simulation. Measured 1m on-axis in free space after 1mn. Pink noise 12 dB crest factor into RMS protection, Z weight, RMS value
4. Same as continuous SPL +12 dB CF
5. 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.

Frequency

Impedance




Frequency Response



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Documents / Resources

	<p>Q-SYS PL-SUB10 Passive Installation Subwoofer [pdf] Owner's Manual PL-SUB10, PL-SUB10 Passive Installation Subwoofer, PL-SUB10, Passive Installation Subwoofer, Installation 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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