

Q-SYS PL-DC24

Two-way, passive dual-4-in point source loudspeaker

KEY FEATURES

- Dual-4-in LF transducer & HF compression driver in a bass-reflex enclosure
- Weatherized (IP54) wooden enclosure for indoor and protected outdoor environments
- 110° (horizontal) x 50° (vertical) coverage
- V-shaped transducer layout optimized for better control of the directivity
- Pair with Q-SYS network amplifiers and access Custom loudspeaker voicings and protection via Intrinsic Correction™
- Black (RAL 9011)



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The Q-SYS PL-DC24 is a two-way, passive installation loudspeaker ideal for high-performance audio applications across entertainment, corporate, higher ed, or hospitality where you need fills, delays or proper sound coverage under balconies. 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-DC24 is a two-way, passive point source loudspeaker with dual-4" transducers. It is horizontally oriented and offers a fixed 110° (horizontal) x 50° (vertical) coverage pattern, making it ideal as a near field audio fill audio fill. Several mounting options are available to ensure these loudspeakers can be placed in the right location.

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 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.

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Transducers	LF: 2x 4 in (101.6 mm), 1.3 in (33 mm) voice coil, neodymium HF: Compression driver, 0.7 in (17.8 mm) exit, 1 in (25.4 mm) voice coil
Enclosure configuration	Two-way, passive point source loudspeaker with bass reflex enclosure
Form factor/box angle	Asymmetrical profile, 15° between top and bottom
Coverage (horizontal x vertical)	110° x 50°
System bandwidth (-10dB with EQ) ¹	-3dB: 119 Hz - 20 kHz -6dB: 101 Hz - 20 kHz -10dB: 89 Hz - 20 kHz
Crossover HF-LF	2 kHz
System sensitivity²	97.5 dB
Max SPL (continuous)³	111 dB
Max SPL (peak)⁴	123 dB
Max SPL (calculated)⁵	124 dB
System power rating⁶	31 Vrms, continuous power 120 W @8 Ω, rated power 240 W @ 8 Ω
Nominal impedance	8 Ω
Minimal impedance	6.5 Ω
Enclosure material	Exterior plywood
Enclosure color	Black (RAL 9011)
Grille thickness	18 ga, 1.2 mm
Connectors	1x Euroblock (locking) 4 poles 14 AWG (2.5mm ²) The connector is recessed and may be covered by an IP65 sealing plate.
Rigging points	Rear: 2x M8, spaced 2.75 in (70 mm) Top / Bottom: 2x M8, 2.36 in (60 mm) Sides: 1x M8 for Yoke Attachment
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
Recommended amplifiers	Q-SYS CX-Q Series network amplifiers - up to four (4) loudspeakers per channel on CX-Q 4K4 - up to two (2) loudspeakers per channel on CX-Q 2K4
Dimensions (HxWxD)	Net: 5.4 x 13.6 x 7.2 in (136 x 346 x 182 mm) Shipping: 7.75 x 15.5 x 9.5 in (197 x 394 x 241 mm)
Weight	Net: 8.7 lbs (3.9 kg) Ship: 10.4 lbs (4.7 kg)
Accessories (sold separately)	PL-DC24-YM horizontal yoke mount PL-DC24-FM flush mount (ceiling or wall)

1. Default voicing, no sub high Pass, smoothed

2. 1W/1m, averaged on 200-10kHz (System), 200-2kHz (LF) or 1k-10kHz(HF)

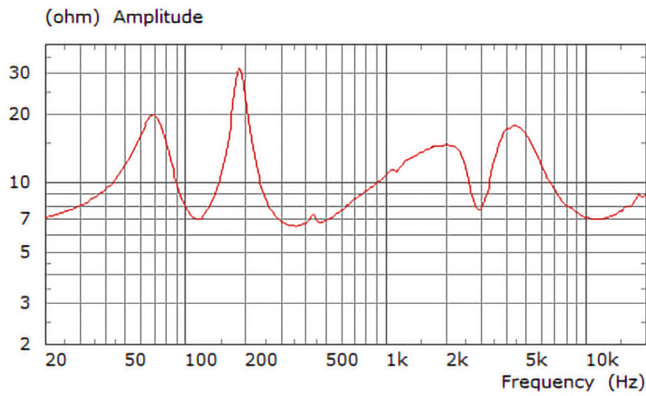
3. Used for simulation. Measured 1m on-axis in free space after 1mn. Pink noise 12dB crest Factor into RMS protection, Z weight, RMS value

4. Same as continuous SPL +12dB CF

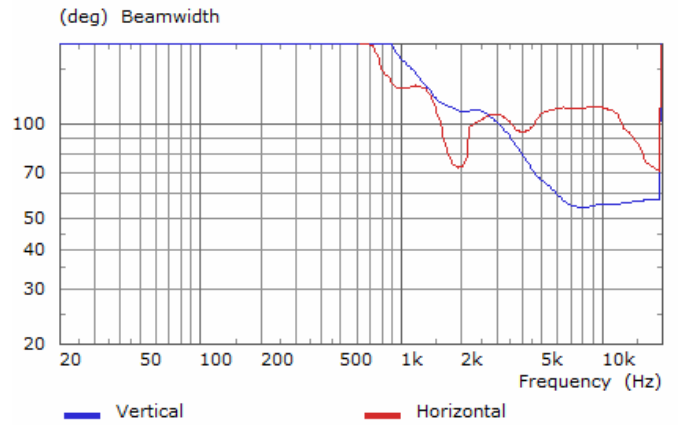
5. Provided for reference with former specs, calculated from continuous noise power and sensitivity +6dB, default horn

6. Max voltage during 2 h without transducer permanent damage. Protection voltage will be lower.

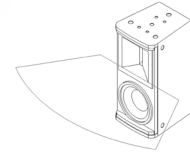
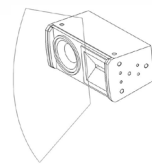
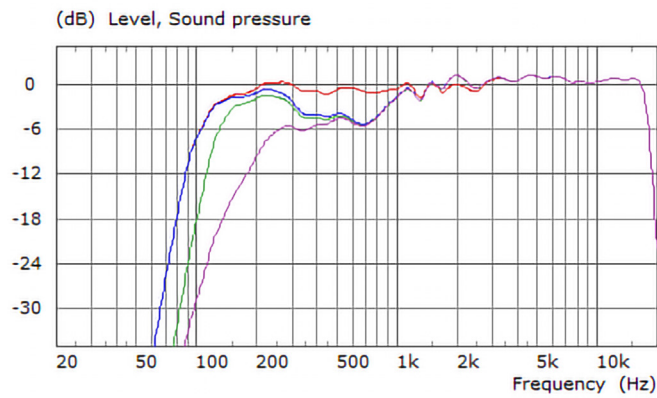
Impedance



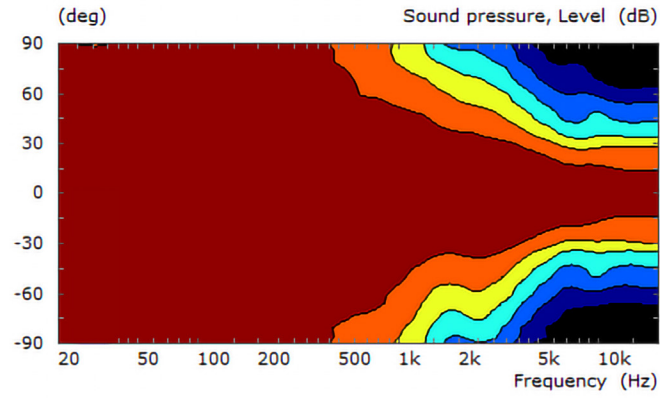
Beamwidth



Frequency Response



Horizontal 90° Coverage



Vertical 50° Coverage

