QSC™

AcousticCoverage™ Series

AC-S4T

Small format, surface mount loudspeaker

Features

- High quality transducers provide exceptional clarity through the critical voice range.

- Improved musicality often not seen in typical BGM class products.

- Ported baffle for increased low frequency extension down to 70 Hz.

- Low saturation 70/100V transformers with 8 ohm bypass.

- 4-pole Euroblock connector eases system wiring.

- Advanced voicing via QSC Intrinsic Correction™, applied using Q-Sys processing or CXD amplifier platforms.

- Available in black (RAL 9011) or white (RAL 9010)

- Complete EASE, CAD & BIM information available online

Wide Area Paging · Background Music · Office Buildings · Healthcare Facilities · Concourses · Transportation Terminals · Ancillary Support in Larger Systems

The QSC AcousticCoverage™ AC-S4T is a surface mounted 4″ two-way loudspeaker with 70/100V transformer, suitable for a wide variety of voice paging and background music sound reinforcement applications.

AcousticCoverage™ is designed to offer integrators a cost effective solution for applications where voice reinforced coverage is of primary concern, while providing improved musicality often not seen in typical BGM class products.

A high quality 100 mm [4 in] polypropylene cone transducer with butyl rubber surround and a 25 mm [1 in] aluminium dome tweeter offers pristine clarity through the critical vocal range for increased speech intelligibility. With 130 degrees of conical coverage, the AC-S4T reduces the number of loudspeakers required for even coverage in close proximity.

The UV treated high impact ABS enclosure and ported baffle assembly has been optimally tuned for added musicality, creating low frequency extension down to 70 Hz. To maintain this frequency response, the AC-S4T utilizes a 16-watt low-saturation and low-loss 70/100V transformer with varying selectable taps, including an 8Ω bypass.

To further enhance performance and speed of install with optimum result, advanced voicing via QSC Intrinsic Correction™ techniques are obtainable using Q-Sys™ networked audio processing platforms, including CXD amplifiers for a complete QSC systems solution.

Installers will appreciate the 4-pole Euroblock connector for loop thru wiring, located on the rear of the enclosure. Eliminating the termination hassles of star topology wiring designs, the generous Euroblock of the AC-S4T can accept four 18AWG pairs.
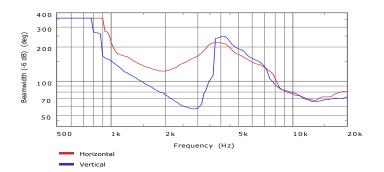
The AC-S4T features brass inserts to accept the included yoke mount and is secured using the supplied thumb bolts. The grille is adorned with a spring loaded and rotatable logo for installation convenience in either horizontal or vertical deployments.

The AC-S4T is available in white (RAL 9010) or black (RAL 9011) to match complimenting QSC product families. The AC-S4T may also be painted to match any décor.
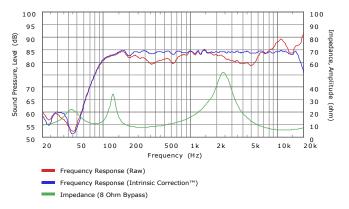
To assist in successful systems integration, complete EASE, CAD, and BIM files are available for download online.
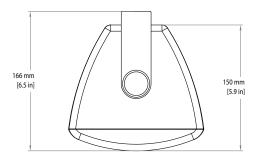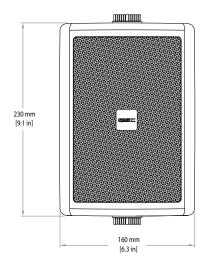
AC-S4T Details

Beamwidth:

- **Horizontal** (red)
- **Vertical** (blue)

Impedance / Frequence Response:

- Frequency Response (Raw) (red)
- Frequency Response (Intrinsic Correction™) (blue)
- Impedance (8 Ohm Bypass) (green)

Dimensions:

166 mm [6.5 in]

150 mm [5.9 in]

230 mm [9.1 in]

160 mm [6.3 in]

Specifications:

System Details	AC-S4T
Effective frequency range[1]	70 Hz – 20 kHz
Rated noise power / voltage[2]	16 watts / 11.3 volts (rms)
Broad-band sensitivity[3]	85 dB SPL
Coverage angle (-6 dB)	130° conical (500 Hz - 5 kHz)
Directivity factor (Q)	6
Directivity Index	8 dB
Maximum continuous SPL[4]	97 dB
Maximum peak SPL[4]	103 dB
Rated impedance	8 ohms
Recommended amplifier	32 watts
Transformer taps	70 V: 16, 8, 4, 2, 1 watts 100V: 16, 8, 4, 2 watts 8 ohm bypass
LF transducer	100 mm [4 in] Polypropylene woofer 25 mm [1 in] voice-coil
HF transducer	25 mm [1 in] Aluminium dome tweeter 25 mm [1 in] voice-coil
Input connector type	Euroblock connector with parallel output
Enclosure material	UV treated, high impact ABS polymer
Grille material	Powder coated steel
Yoke material	Powder coated steel, brass inserts
Enclosure Details	
Ingress protection	IP-44
Operating environment	Designed for indoor use
Operating Temperature Range	-20 to 50° C [-4 to 122° F]
Net weight	2.4 kg [5.3 lb]
Product dimensions	230 x 160 x 150 mm [9.1 x 6.3 x 5.9 in]
Shipping weight	5.3 kg [11.8 lb] (pair packed)
Shipping dimensions	292 x 206 x 368 mm [11.5 x 8.1 x 14.5 in] (pair packed)
Included accessories	Yoke mount system, euroblock connector

[1] Free-field, -10 dB from on-axis sensitivity
[2] IEC60268-1 noise signal for 2 hours
[3] On-Axis, free-field sensitivity, 2.83V, 1 m
[4] Calculated from rated noise voltage and sensitivity

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