



## AcousticCoverage™ Series

### AC-S6T

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-S6T is a surface mounted 6.5" 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 165 mm [6.5 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-S6T 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 60 Hz. To maintain this frequency response, the AC-S6T utilizes a 30-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-S6T can accept four 18AWG pairs.

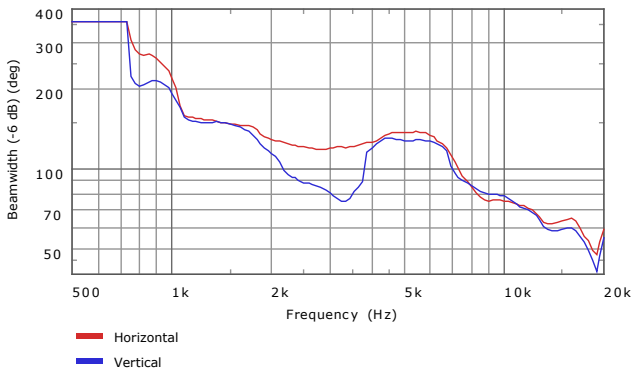
The AC-S6T features brass inserts to accept the included yoke mount and is secured using the supplied thumb bolts. The grille is adorned with a spring loaded and rotatable logo for installation convenience in either horizontal or vertical deployments.

The AC-S6T is available in white (RAL 9010) or black (RAL 9011) to match complimenting QSC product families. The AC-S6T may also be painted to match any décor.

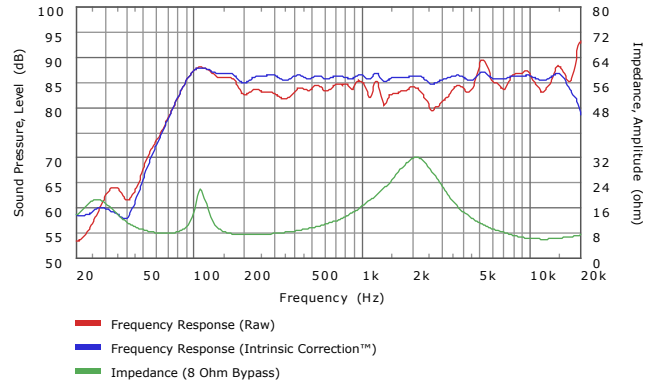
To assist in successful systems integration, complete EASE, CAD, and BIM files are available for download online.

# AC-S6T Details

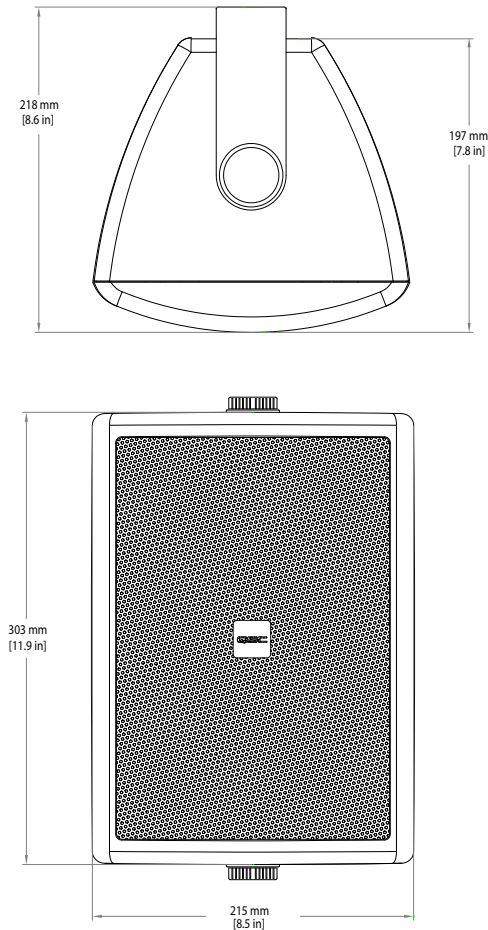
## Beamwidth:



## Impedance / Frequency Response:



## Dimensions:



## Specifications:

| System Details                           | AC-S6T  |
|--|---|
| Effective frequency range <sup>1</sup>   | 60 Hz – 20 kHz  |
| Rated noise power / voltage <sup>2</sup> | 30 watts / 15.5 volts (rms)   |
| Broad-band sensitivity <sup>3</sup>      | 86 dB SPL   |
| Coverage angle (-6 dB)                   | 130° conical (500 Hz - 5 kHz)   |
| Directivity factor (Q)                   | 6   |
| Directivity Index                        | 8 dB  |
| Maximum continuous SPL <sup>4</sup>      | 101 dB  |
| Maximum peak SPL <sup>4</sup>            | 107 dB  |
| Rated impedance                          | 8 ohms  |
| Recommended amplifier                    | 60 watts  |
| Transformer taps                         | 70 V: 30, 15, 7.5, 3.7, 1.9 watts<br>100V: 30, 15, 7.5, 3.8 watts<br>8 ohm bypass |
| LF transducer                            | 165 mm [6.5 in] Polypropylene woofer<br>25 mm [1 in] voice-coil                   |
| HF transducer                            | 25 mm [1 in] Aluminium dome tweeter<br>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  |
| <b>Enclosure Details</b>                 |   |
| Ingress protection                       | IP-44   |
| Operating environment                    | Designed for indoor use   |
| Operating Temperature Range              | -20 to 50° C [-4 to 122° F]   |
| Net weight                               | 3.8 kg [8.3 lb]   |
| Product dimensions                       | 303 x 215 x 197 mm [11.9 x 8.5 x 7.8 in]  |
| Shipping weight                          | 8.4 kg [18.6 lb] (pair packed)  |
| Shipping dimensions                      | 359 x 267 x 470 mm [14.1 x 10.5 x 18.5 in] (pair packed)                          |
| Included accessories                     | Yoke mount system, euroblock connector  |

<sup>1</sup> Free-field, -10 dB from on-axis sensitivity

<sup>2</sup> IEC60268-1 noise signal for 2 hours

<sup>3</sup> On-Axis, free-field sensitivity, 2.83V, 1 m

<sup>4</sup> Calculated from rated noise voltage and sensitivity



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