



AcousticDesign™ Series AD-S8T

KEY FEATURES

- DMT™ (Directivity Matched Transition) ensures smooth, uniform frequency response over the coverage area
- X-Mount™ system enables the loudspeaker to be easily installed and deployed at a variety of angles with no slippage over time
- Advanced voicing filter sets using QSC Intrinsic Correction™, available through either Q-SYS processing or QSC DSP amplifier platforms
- Low-saturation and low-loss 70/100V transformers with 8 Ω bypass
- Lightweight ABS enclosures offer long-term durability and lasting good looks
- Sealed input panel cover and powder coated aluminum grilles for added weather resistance
- Meets IEC60529 IP-54 for dust and splash resistance
- M10 fittings for optional yoke mount or suspended installations
- Available in black (RAL 9011) or white (RAL 9010)
- Complete EASE, CAD & BIM information available online



X-Mount™ (included)

AcousticDesign™ Series AD-S8T

Small format, surface mount loudspeaker

The QSC AcousticDesign™ AD-S8T is a surface mounted 70/100 V, 8" two-way loudspeaker system, ideally suited for a wide variety of foreground and background sound reinforcement applications.

AcousticDesign™ series offers integrators a premium quality installed sound solution where performance, coverage, and aesthetics are paramount. Combined with unprecedented ease-of-installation and high weather resistance, the AcousticDesign™ series provides integrators a versatile and confident install solution.

The AD-S8T features a high quality 8" weather treated paper cone woofer on a 2" voice coil. A carefully selected 1" exit, 1.4" compression driver perfectly matches the sensitivity and performance of the woofer for outstanding full-range reproduction.

Consistent and even 105° axisymmetric (conical) coverage is achieved through DMT™ (Directivity Matched Transition), a QSC innovation which matches the directivity patterns of the woofer and the high-frequency waveguide at the crossover point. The result is a coherent transition between transducers and improved off-axis response.

The even, accurate frequency response of the AD-S8T is aided by a 60-watt low-loss, low-saturation transformer with selectable taps, including an 8 Ω bypass. To enhance weather resistance, the rotary selector is located on the back of the enclosure, protected by a weather grommet.

With rugged ABS enclosures, sealed input panel covers, and powder-coated aluminum grilles for weather resistance, the AcousticDesign™ surface mounted series exceed IEC60529 IP-54 ratings for dust and splash resistance.

Installers will appreciate the award-winning X-Mount™ system included with each full-range AcousticDesign™ model. This ingenious mounting solution achieves unprecedented ease-of-installation in horizontal, vertical, wall, or ceiling deployments. Knurled surfaces at the pivot planes ensure the load will not drift or sag over time. Articulation marks allow preconfiguration of the X-Mount™ while on the ground with no special tools required. Once secure, the loudspeaker installs in seconds, allowing the installer to work safer, smarter, and faster with repeatable results.

The AD-S8T also includes M10 fittings for optional yoke mount (YMS8T) or shoulder eyebolt (M10 Kit-C) accessories for installation versatility.

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

The AcousticDesign™ series feature a stylish appearance free of obtrusive logo adornments for aesthetically sensitive installations. AcousticDesign™ surface loudspeakers are available in QSC standard black (RAL 9011) or white (RAL 9010) and may be painted to match any decor.

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AD-S8T

System Detail

Effective frequency range ¹	55 – 20 k Hz
Rated noise power / voltage ²	200 W / 40 V (RMS)
Broad-band sensitivity ³	90 dB SPL
Coverage angle (-6 dB)	105°
Directivity factor (Q)	7
Directivity Index	9 dB
Maximum continuous SPL ⁴	113 dB
Maximum peak SPL ⁴	119 dB
Rated impedance	8 Ω
Recommended amplifier power	400 W
Transformer taps	70 V: 60, 30, 15, 7.5 W and 8 Ω bypass 100 V: 60, 30, 15 W and 8 Ω bypass
HF transducer	1" exit / 1.4" voice-coil compression driver
LF transducer	8 in weather resistant paper cone woofer, 2 in / 51 mm voice-coil
Input connector type	Euroblock connector with parallel output
Enclosure material	Painted ABS polymer
Grille material	Powder coated aluminum
X-Mount material	Powder coated aluminum

Enclosure Details

Ingress protection	IP-54
Operating environment	Designed for indoor and outdoor use
Testing	The AD Series loudspeakers qualified for outdoor use using the following tests: Salt fog: MIL-STD-810G Method 509.5 for 100 hrs. Humidity: MIL-STD-810G Method 507.5, Natural cycle B2, cyclic high RH for 7 days High and low temperature: tested to QSC internal standards between -20° and 50° C
Operating Temperature Range	-20 to 50 °C / -4 to 122 °F
Net Weight	24.1 lb / 11 kg
Product dimensions	17.3 x 10 x 9.9 in (440 x 254 x 251 mm)
Shipping weight	32.1 lb / 14.5 kg
Shipping dimensions	24.3 x 13.8 X 13.8 in (729 x 351 x 351 mm)
Included accessories	X-Mount mounting system, Euroblock connector, input panel cover
Optional accessories	YMS8T yoke mount, M10 Kit-C

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

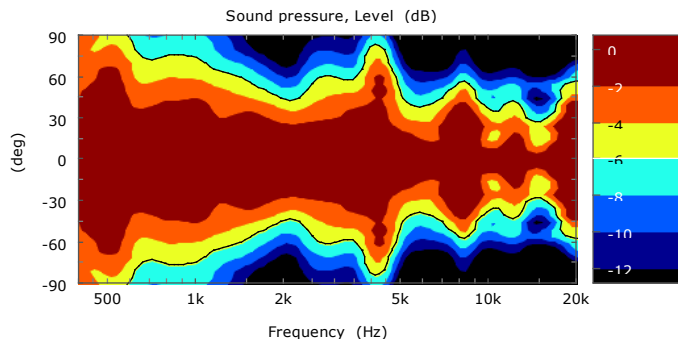


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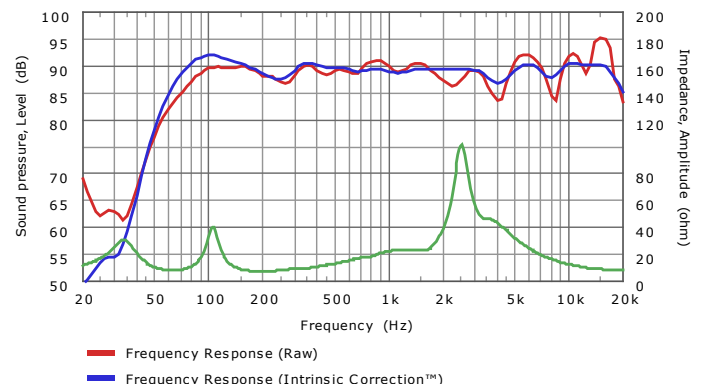


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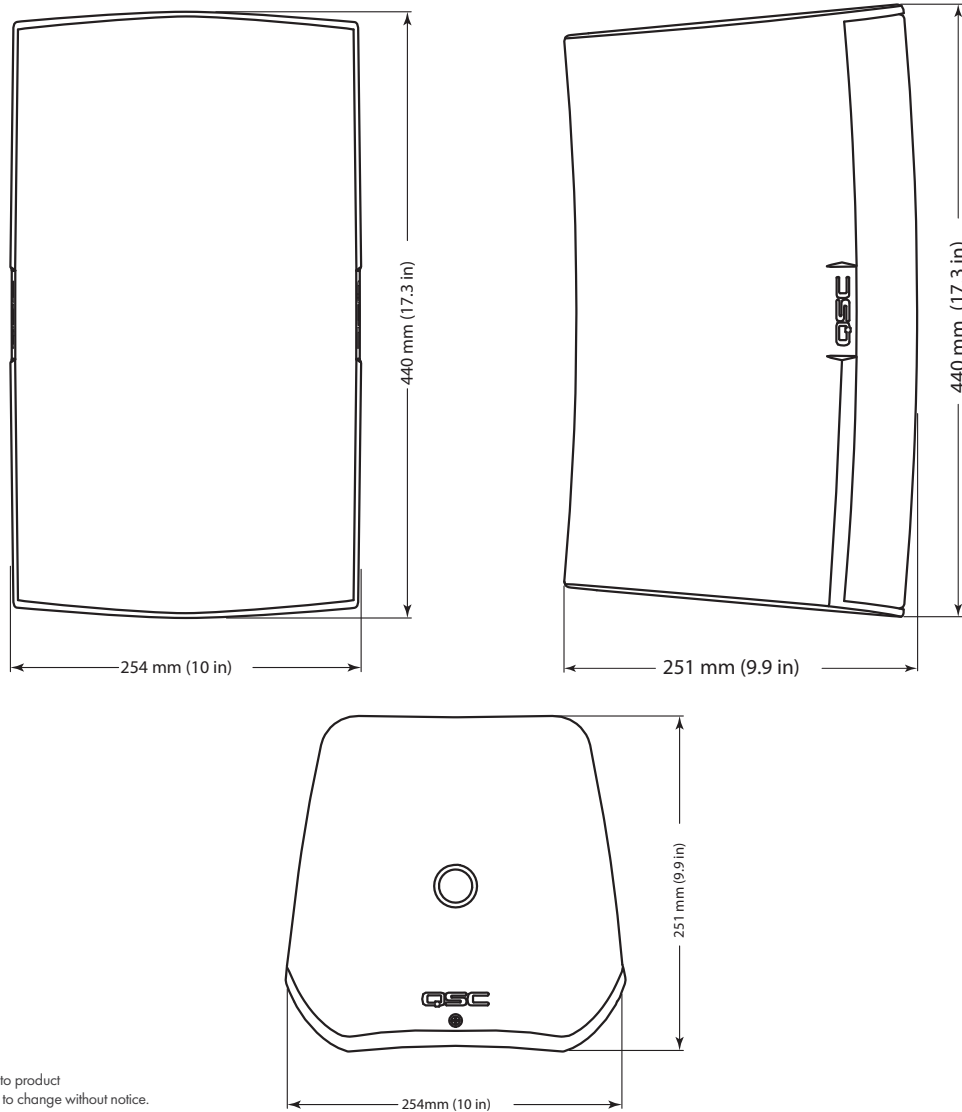
Horizon Contour:



Impedance / Frequency Response:



Dimensions:



As part of QSC's ongoing commitment to product development, specifications are subject to change without notice.