



## AcousticDesign™ Series S8T S10T S12

Cinema surround loudspeakers

### Features

- Models available with 8", 10", and 12" woofers for a range of output requirements
- DMT™ (Directivity Matched Transition) ensures smooth, consistent power response throughout the listening area
- Patent pending X-Mount™ enables the loudspeaker to be easily installed and deployed at a variety of angles without sagging over time
- Optional yoke mount and M10 Kit-C eye bolt kit offers additional loudspeaker deployment options
- Screw-down Euro-block connectors allows pre-wiring of the system
- Lightweight ABS enclosures offer long-term durability and lasting good looks
- Available in black or white
- Complete EASE, CAD & BIM information available on line



S8T

S10T

S12

QSC's AcousticDesign™ surface mount loudspeakers are professional, two-way, full-range systems for cinema surround applications. Ease-of-installation is the driving principle behind QSC's next generation of small format, surface mount loudspeakers.

For immersive sound surround formats requiring special aiming practices, AD-S loudspeakers offer extreme flexibility for optimizing surround sound coverage for any cinema surround format. They can easily be mounted to any weight bearing, flat surface allowing the loudspeaker to be deployed in horizontal or vertical orientation. Pan and tilt aiming for front and rear mounted surrounds is a simple adjustment using the included X-Mount™ hardware, which enables the installer to simply lift the loudspeaker onto the mount and lock it into place. The loudspeaker can then be adjusted for pan and tilt and locked in place in 7.5 degree increments. Knurled surfaces on the mount's pivot points ensure that the loudspeaker aiming angle stays fixed and will not slip over time. No special tools are required to install or adjust the loudspeaker angle. AD-S8T, AD-S10T and AD-S12 models feature M10 mounting points for suspension via eye-bolts as well as mounting points for a yoke bracket for downward-firing ceiling mount applications. A seismic mount is provided on the rear of the enclosure. Screw-down, Euro-block connectors allow pre-wiring of the system.

The uniform power-response of this loudspeaker is a result of DMT™ (Directivity Matched Transition), a design approach that matches LF and HF coverage in the crossover region. Another key to the extraordinary accuracy and flat power response of the AcousticDesign loudspeakers is the axisymmetric waveguide which provides uncompromised performance in both the vertical and horizontal axes. The 36mm (1.4 in) diaphragm, 25mm (1 in) exit compression driver on the AD-S8T, AD-S10T and AD-S12 delivers crisp, detailed high-frequency reproduction and when combined with the matched woofers, provides full bandwidth reproduction. The AD-S8T uses an 8" woofer, while the AD-S10T has a 10" woofer, and the AD-S12 has a 12" woofer. Housed in rugged ABS enclosures for long-term durability, the AcousticDesign series present a clean, unobtrusive look, and AD-S grilles are unadorned eliminating the need to cover obtrusive logo treatments. AD-S loudspeakers are available in either black (RAL 9011) or white (RAL 9010) and may be painted to match any décor.

To minimize impact and disposal fees at the job site, all AD-S loudspeakers are packaged in environmentally friendly, recyclable cartons.

# AD-S8T | AD-S10T | AD-S12 Details

System Hardware	S8T	S10T	S12
Frequency Range (-10dB) <sup>1</sup>	55 Hz to 20 kHz	50 Hz to 19 kHz	52 Hz to 20kHz
Rated Noise Power (Voltage) <sup>2</sup>	200 W continuous (40 V rms)	250 W continuous (45 V rms)	300 W continuous (50 V rms)
Sensitivity <sup>3</sup>	90 dB, 1W@1m	92 dB, 1W@1m	95 dB, 1W@1m
Rated Coverage Angle (-6 dB)	105° Axisymmetric	90° Axisymmetric	75° Axisymmetric
Maximum Rated SPL <sup>4</sup>	113 dB @1m, continuous 119 dB @ 1m, peak	116 dB @1m, continuous 122 dB @ 1m, peak	120 dB @ 1m, continuous 126 dB @ 1m, peak
Rated Impedance	8Ω	8Ω	8Ω
Recommended Amplifier Power	400 Watts	500 Watts	600 Watts
Transformer Taps	70 V: 60, 30, 15, 7.5 watts and 8 ohm bypass 100V: 60, 30, 15 watts and 8 ohm bypass	70 V: 100, 50, 25, 12.5 watts and 8 ohm bypass 100V: 100, 50, 25 and 8 ohm bypass	N / A
HF Transducer	1" exit, 1.4" voice coil compression driver	1" exit, 1.4" voice coil compression driver	1" exit, 1.4" voice coil compression driver
LF Transducer	8" weather resistant paper cone woofer, 2.5" (63 mm) voice coil	10" weather resistant paper cone woofer, 3" (76 mm) voice coil	12" weather resistant paper cone woofer, 2.5" (63 mm) voice coil
<b>Enclosure Details</b>			
Input Connector	Euroblock connector with parallel output terminals	Euroblock connector with parallel output terminals	Euroblock connector with parallel output terminals
Enclosure Material	Painted ABS polymer	Painted ABS polymer	Painted ABS polymer
Grille	Powder coated aluminum	Powder coated aluminum	Powder coated aluminum
<b>Environmental</b>			
Dimensions (HxWxD)	17.3" x 10" x 9.8" (440 x 254 x 251 mm)	20.3" x 12.5" x 11.7" (516 x 318 x 298 mm)	23.4" x 13.9" x 12.7" (594 x 354 x 322 mm)
Net Weight	24.1 lbs (11 kg)	31 lbs (14 kg)	35 lbs (16kg)
Shipping Weight	14.5 kg / 32.1 lbs	18.45 kg / 40.6 lbs	
Included Accessories	X-Mount mounting system, Euroblock connector	X-Mount mounting system, Euroblock connector	X-Mount mounting system, Euroblock connector
Optional Accessories	Yoke bracket kit   M10 Kit-C eyebolts	Yoke bracket kit   M10 Kit-C eyebolts	Yoke bracket kit   M10 Kit-C eyebolts

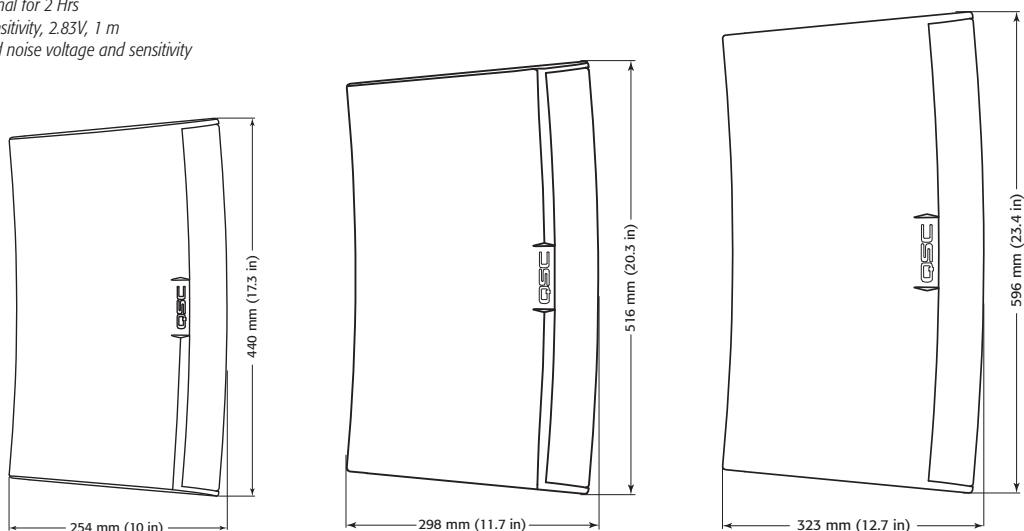
As part of QSC's ongoing commitment to product development, specifications are subject to change without notice.

1 Free-field, -10 dB from on-axis sensitivity

2 IEC60268-1 noise signal for 2 Hrs

3 On-Axis, free-field sensitivity, 2.83V, 1 m

4 Calculated from rated noise voltage and sensitivity



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**QSC**<sup>™</sup>

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AD-S8T | AD-S10T | AD-S12 Spec Sheet 03/27/2013



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