



TRITON

SQ SERIES SUBWOOFERS

SQ8S4, SQ8D4, SQ10S4, SQ10D4, SQ12S4, SQ12D4





Congratulations and thank you for purchasing Triton mobile loudspeakers. With a focus on quality, innovation, and value, Triton loudspeakers feature a no-compromise design built for today's music. Our focus is to provide you an accurate, powerful listening experience by combining premium components into an elegant-but-accurate design that will deliver a listening experience you would expect from a quality product.

To make sure your new loudspeakers perform their best, we strongly recommend you have your new Triton loudspeakers professionally installed.

Please use your new Triton loudspeakers responsibly. Listening to very loud music for extended periods of time can cause permanent hearing loss.

Triton SQ Series Subwoofers Features:

- **Glossy Black IMPP Cone with Symmetrical Geometric Cone Design** – increases the stiffness of the cone for less harmonic distortion as well as high strength, durability, and stability during high power operation at extreme temperatures
- **Butyl Rubber Surround** – has superior damping characteristics and will last longer than foam surrounds
- **Double Stacked Magnet Assembly** – combined with a long wiring width of voice coil allows for long excursions with reduced distortion
- **Kapton® Voice Coil Former** – offers higher power handling than aluminum voice coil formers and extremely efficient cooling properties.
- **4 Layer Voice Coil** – keeps more wire in the magnetic gap for more output.
- **Vented, Extended Pole Piece** – keeps the voice coil cool during long excursions at high power.

I. Package Contents

- 1 SQ Series Subwoofer
- Warranty Card

II. Specifications

Model	SQ8S4/D4	SQ10S4/D4	SQ12S4/D4
Size (Inches)	8"	10"	12"
Impedance	4 Ω	4 Ω	4 Ω
Frequency Response	45Hz+20%	28Hz-500kHz	24Hz-500kHz
Voice Coil	1.5" / 38.1mm	2" / 50.5mm	2" / 50.5mm
Magnet	48 oz.	66 oz.	66 oz.
Fs		28Hz	24Hz
Vas - ft ³ /Liter		1.84ft ³ / 52 Liters	4.13ft ³ /117 Liters
Xmax	0.39"/10mm	0.47"/12mm	0.47"/12mm
Qts	.32	.40	.46
RMS Power	200 Watts	300 Watts	300 Watts
Max Power	400 Watts	600 Watts	600 Watts
Cone	IMPP Glossy	IMPP Glossy black	IMPP Glossy black
Surround	Butyl rubber	Butyl rubber	Butyl rubber
Frame	Steel	Steel	Steel
Mounting Depth		6.02" / 153mm	6.73" / 171mm

III. Installation - Sealed Enclosures

Sealed enclosures provide excellent performance with SQ Series Subwoofers. They are the simplest enclosures to design and build, and provide the most control over the subwoofer's performance. This type of box is usually associated with smooth, tight clean bass. Remember to glue and screw all joints, using enough glue to make sure all joints are airtight. Loosely fill the enclosure with fiberglass, poly-fill, or cotton damping material.

Recommended Sealed Enclosures

SQ8	Recommended Internal Volume	SQ10	Recommended Internal Volume	SQ12	Recommended Internal Volume
Optimum	0.54ft ³	Optimum	0.75ft ³	Optimum	1ft ³
Minimum	0.38ft ³	Minimum	0.6ft ³	Minimum	0.75ft ³

<p>Internal Volume (ft³) = (in Inches) Internal Width X Depth X Height</p> <hr style="width: 50%; margin: auto;"/> <p>1728</p>
<p>Internal Volume (L) = (in Centimeters) Internal Width X Depth X Height</p> <hr style="width: 50%; margin: auto;"/> <p>1000</p>

IV. Installation - Ported Enclosures

Ported enclosures use a tuned vent to get additional output at the tuning frequency that is usually good for an additional 3dB of bass if built properly. Using a smaller port than recommended may cause noise from air turbulence whereas too large of a port will not offer enough control over the woofer and can cause premature failure. If you do build a ported box, Quinn recommends using flared ports as they produce less turbulence and noise. Remember to glue and screw all joints, using enough glue to make sure all joints are airtight.

Note: Make sure there is at least 2" between the end of the port and the adjacent wall of the enclosure.

Recommended Vented Enclosures

	SQ8	SQ10	SQ12
Box Volume Maximum	1ft ³	1.75ft ³	2.8ft ³
Box Volume Minimum	0.6ft ³	1ft ³	2.25ft ³
Limited Space			
Box Volume	1ft ³	1.75ft ³	2.25ft ³
Port Diameter	2" Round	3" Round	4" Round
Port Length	9.25"	11.96"	13.31"
Unlimited Space			
Box Volume	1ft ³	1.75ft ³	2.25ft ³
Port Dimensions	1"x8.3" Rectangle	1.25"x11" Rectangle	1.25"x13" Rectangle
Port Length	11.75"	21.3"	33.2"

V. Wiring Options

There are many ways to wire multiple subwoofers together in order to maximize an amplifier's output. Please check your amplifier manufacturer's specifications to verify your amplifier's capability before attempting these configurations. Using a lower-than-recommended impedance on your amplifier can damage the amplifier and subwoofer.

