

Keep in a safe and dry place for future reference.

Model Number of your Midbass \_\_\_\_\_

Serial Number \_\_\_\_\_

Place of purchase \_\_\_\_\_

Notes \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Your enclosure data (circle one)

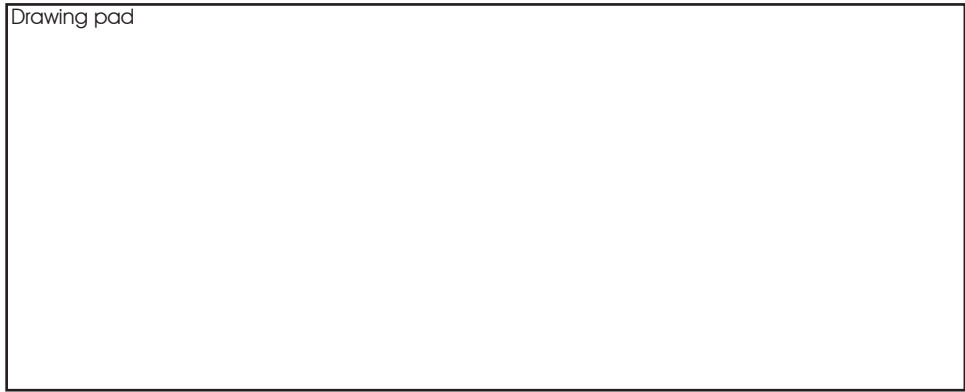
Sealed                  Vented                  Bandpass                  Other

Total airspace \_\_\_\_\_

Enclosure Dimensions \_\_\_\_\_

Port type, area and length (if available) \_\_\_\_\_

Drawing pad



Soundstream Technologies  
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Montebello, CA 90640 USA  
PH: 323.724.4600 FX: 323.722.8125  
[www.soundstream.com](http://www.soundstream.com)

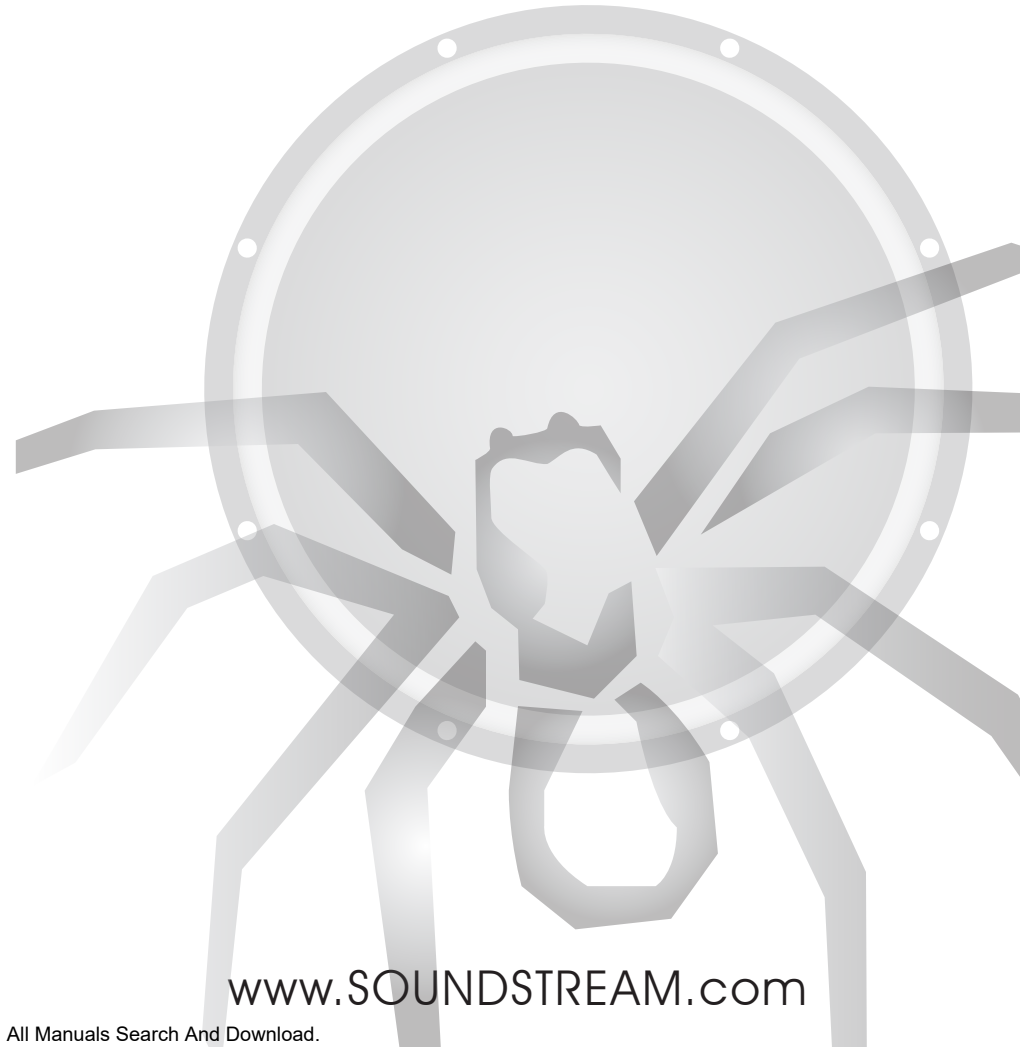
# SOUNDSTREAM

T E C H N O L O G I E S

PRO SERIES

## MID-BASS OWNER'S MANUAL

(SM8-100 SM16-90 and SM16-94)



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Congratulations and thank you for purchasing Soundstream products. We are confident you will enjoy your new subwoofer and appreciate the effort involved in bringing you the best engineered and crafted subwoofer in this category. Harmonic indulgence...Listen and feel.

We advise you to keep this manual in a safe and dry place. Write down any important information to reference from in the future, such as you enclosure information and port dimensions. Draw a simple diagram or parameters of the enclosure incase you ever need to reference from it in the future.

**Specifications**

Model	SM8-100	SM16-90	SM16-94
Mounting Depth	3.625"	3.125"	3.125"
Outer Diameter	8.25"	6.875"	6.875"
Cutout Diameter	7.25"	5.875"	5.875"
Driver Displacement	.04 cu.ft.	.03 cu. ft.	.03 cu. ft.
Impedance	8 ohm	8 ohm	4 ohm
RMS Power	100 watts	100 watts	100 watts
MAX Power	200 watts	200 watts	200 watts
PEAK Power	300 watts	300 watts	300 watts
Voice Coil	1.5"	1.5"	1.5"
Magnet Weight	45 oz.	35 oz.	35 oz.
Frequency Response	90 - 10KHz	130 - 15KHz	130 - 15KHz
Resonant Frequency	94.4Hz	128Hz	133Hz
Qts	.406	.384	.540
Qms	1.493	1.786	2.490
Qes	.558	.489	.689
Vas	15.513	4.978 ltr	3.482 ltr
XMAX	1 mm	2 mm	2 mm
SPL	97dB	97dB	97dB

**NOTICE**

Due to the nature of this speaker, it works best when installed in smaller sealed enclosures. The use of a ported enclosure will resulting in unsatisfactory performance and low speaker life. This speaker is intended to form a multi-way system utilizing custom built passive crossover networks tuned between 60 - 1250Hz at an 18dB or greater slope. Please consult the assistance of a qualified technician for more information before proceeding with your installation. The use of an active (electronic) crossover is also a good idea, but both should be considered to provide the best performance and frequency response.

**Enclosure Recommendations for SM8-100**

Optimum Enclosure

NET Volume	.5 cuft / 14.16 ltrs
Enclosure Q	.8
Max Power	130 watts
SPL	94dB
Fill	60% Semi Tight

Other Enclosures

	Volume	MAX Power
Smallest	.25 cuft / 7.08 ltrs	130 watts
Largest	1 cuft / 28.317 ltrs	125 watts

**Enclosure Recommendations for SM16-90**

Optimum Enclosure

NET Volume	.4 cuft / 11.3 ltrs
Enclosure Q	.71
Max Power	125 watts
SPL	92dB
Fill	60% Semi Tight

Other Enclosures

	Volume	MAX Power
Smallest	.2 cuft / 5.66 ltrs	125 watts
Largest	.8 cuft / 22.65 ltrs	100 watts

**Enclosure Recommendations for SM16-94**

Optimum Enclosure

NET Volume	.4 cuft / 11.3 ltrs
Enclosure Q	.71
Max Power	125 watts
SPL	92dB
Fill	60% Semi Tight

Other Enclosures

	Volume	MAX Power
Smallest	.2 cuft / 5.66 ltrs	125 watts
Largest	.8 cuft / 22.65 ltrs	100 watts

**Wiring Configurations**

Because both of SM8-100 and SM16-90 are only available in a single 8 ohm voice coil configuration, and SM16-94 is only available in a single 4 ohm voice coil configuration , there are no wiring diagrams to explain for other possible impedance levels. However, you can obtain different impedance levels with multiple speakers connected to one circuit, but because of the intended application of the speaker the information is not disclosed. If you will be designing a system which requires more than one driver in one a circuit and need assistance calculating the impedance, please E-mail tech-support@soundstream.com for more information or call our offices at 323.724.4600.

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