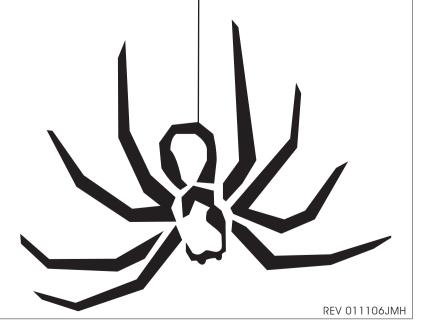


Owner's manual



SOUNDSTREAM SPLX Woofer

Congratulations and Thank You for you purchase of an SPLX Woofer. We are confidant you will enjoy the performance of this woofer for many years.

If you are an enthusiast that plays your system loud and hard, the SPLX Woofers will take you to the next level. Capable of working in small enclosures for audiophiles and large vented for SPLX Max "Bass Heads", this is woofer was a great a choice if you are serious about your sound.

We ask that you take a moment to read through the entire manual before installing the woofer to familiarize your self with the connection procedure as well as determining the best fit enclosure for you and your vehicle's application.

Design Features

Cast Aluminum Basket Kevlar/Paper Mix Cone UV Coated Foam Surround 1-Piece Rubber Gasket Gold Plated Push Terminals

Thiele / Small Parameters SPLX-122

RMS Power (Watts)	750
VOICE COIL DIAMETER (INCHES)	3
VOICE COIL IMPEDANCE (INCHES)	DUAL 2 Ohm
WOOFER DISPLACEMENT (FT3)	0.1
MAGNET WEIGHT (oz)	192
FREQUENCY RESPONSE (Hz)	25-300
Fs (Hz)	35
Qes	0.342
Qms	5.387
Qts	0.322
Vas (Ft3)	1.42
Xmax (in.)	0.565
SPL (dB)	89
HOLE SIZE (INCHES)	11.25
WOOFER DEPTH (INCHES)	7.25
	•

Recommended box sizes

Sealed Enclosure Recommendations

L	Optimum	1 cubic foot		
	Minimum	.75 cubic feet		

Vented Enclosure Recommendations

Req	uired Airspace	F3	Tune Freq.	Port (dia x length)	Qty of Port(s)
Optimum	2 cubic foot	33Hz	36Hz	4" x 18"	3
Minimum	1.5 cubic foot	33Hz	36Hz	4" x 12"	1

Building the Enclosure

First determine the dimensions of your enclosure. Be certain the box dimensions that you have designed will fit in the locations you have chosen. Sometimes, making a cardboard box with the identical outer dimensions is helpful to confirm it will fit properly. We recommend using .75" thick MDF (Medium Density Fiberboard) to build your speaker box with.

Use a "T-Square" to verify you have cut all your precise right angles before you assemble the box completely. Use high quality wood glue along with nails and screws for proper assembly.

Apply a sealant to all of the inside corners of the enclosure to assure proper sealing of the box.

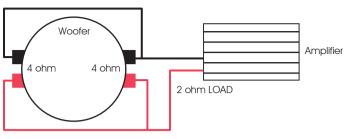
It is recommended to stuff a sealed enclosure with approximately 50% fill (DACRON or Polyester Insulation) for damping purposes.

Strip off approximately .5"/13mm of wire insulation to assure the bare wire lead penetrates all the way through the push terminal. Follow by using additional sealant around the wire lead exiting the enclosure or around the terminal cup if one is being used.

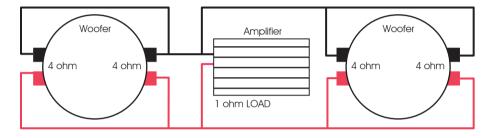
Recommended wiring

The following page explains a few different methods for you to match the impedance of the woofer(s) to the optimum or near best capabilities of your amplifier. It is your responsibility to calculate the correct load for your amp. Please take a moment to read through the diagrams to insure maximum performance of your woofers and amplifier(s).

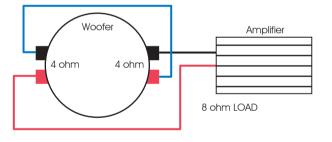
Parallel Wiring of Dual Voice Coils (1 Woofer)



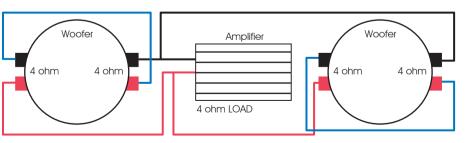
Parallel Wiring of Dual Voice Coils (2 Woofers)



Series Wiring of Dual Voice Coils (1 Woofer)

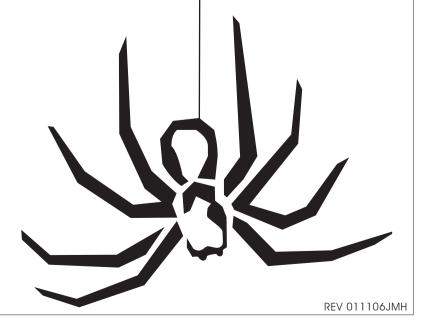


Series/Parallel Wiring of Dual Voice Coils (2 Woofers)





Owner's manual



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Design Features

Cast Aluminum Basket Kevlar/Paper Mix Cone UV Coated Foam Surround 1-Piece Rubber Gasket Gold Plated Push Terminals

Thiele / Small Parameters SPLX-152

RMS Power (Watts)	1000
VOICE COIL DIAMETER (INCHES)	3
VOICE COIL IMPEDANCE (INCHES)	DUAL 2 Ohm
WOOFER DISPLACEMENT (FT3)	0.13
MAGNET WEIGHT (oz)	192
FREQUENCY RESPONSE (Hz)	20-300
Fs (Hz)	38
Qes	0.465
Qms	4.594
Qts	0.422
Vas (Ft3)	2.31
Xmax (in.)	0.565
SPL (dB)	91
HOLE SIZE (INCHES)	14.25
WOOFER DEPTH (INCHES)	8.125
	•

Recommended box sizes

Sealed Enclosure Recommendations

Optimum	1.75 cubic feet
Minimum	1.2 cubic feet

Vented Enclosure Recommendations

Requ	ired Airspace	F3	Tune Freq.	Port (dia x length)	Qty of Port(s)
Optimum	3 cubic feet	45Hz	34Hz	4" x 16"	2
Minimum	2 cubic feet	47Hz	34Hz	4" x 11.25"	1

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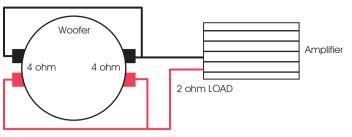
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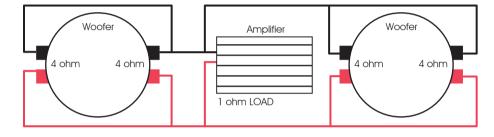
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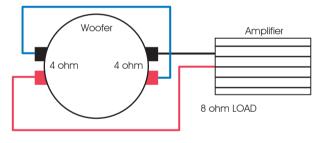
Parallel Wiring of Dual Voice Coils (1 Woofer)



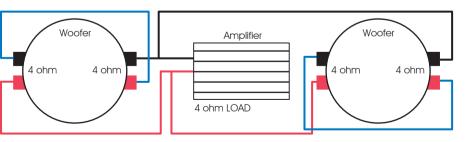
Parallel Wiring of Dual Voice Coils (2 Woofers)



Series Wiring of Dual Voice Coils (1 Woofer)

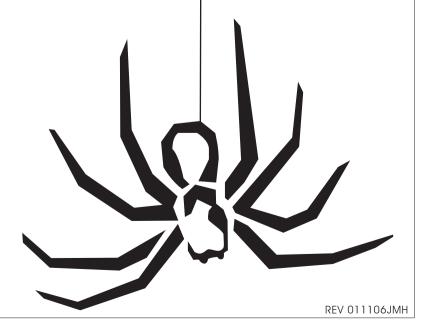


Series/Parallel Wiring of Dual Voice Coils (2 Woofers)





Owner's manual



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Design Features

Cast Aluminum Basket Kevlar/Paper Mix Cone UV Coated Foam Surround 1-Piece Rubber Gasket Gold Plated Push Terminals

Thiele / Small Parameters SPLX-124

RMS Power (Watts)	1000
VOICE COIL DIAMETER (INCHES)	3
VOICE COIL IMPEDANCE (INCHES)	QUAD 2 Ohm
WOOFER DISPLACEMENT (FT3)	.10
MAGNET WEIGHT (oz)	192
FREQUENCY RESPONSE (Hz)	25-300
Fs (Hz)	29
Qes	.294
Qms	5.887
Qts	.280
Vas (Ft3)	1.42
Xmax (in.)	.565
SPL (dB)	87
HOLE SIZE (INCHES)	11.25
WOOFER DEPTH (INCHES)	7.25

Recommended box sizes

Sealed Enclosure Recommendations

L	Optimum	1 cubic foot		
	Minimum	.75 cubic feet		

Vented Enclosure Recommendations

Required Airspace		F3	Tune Freq.	Port (dia x length)	Qty of Port(s)
Optimum	2 cubic foot	33Hz	36Hz	4" x 18"	3
Minimum	1.5 cubic foot	33Hz	36Hz	4" x 12"	1

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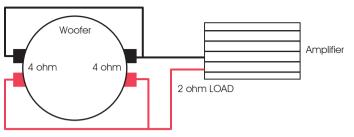
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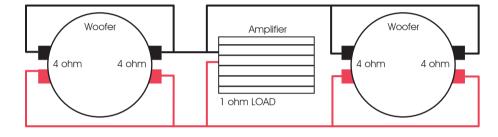
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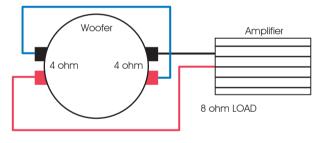
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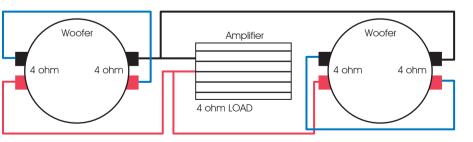
Parallel Wiring of Dual Voice Coils (2 Woofers)



Series Wiring of Dual Voice Coils (1 Woofer)

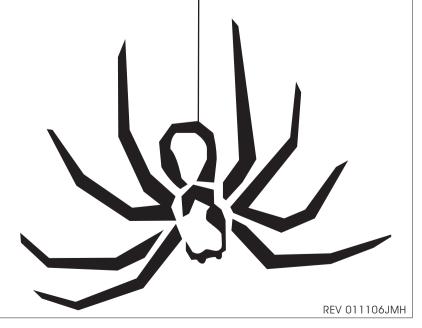


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Design Features

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Thiele / Small Parameters SPLX-154

RMS Power (Watts)	1000
VOICE COIL DIAMETER (INCHES)	3
VOICE COIL IMPEDANCE (INCHES)	QUAD 2 Ohm
WOOFER DISPLACEMENT (FT3)	.13
MAGNET WEIGHT (oz)	192
FREQUENCY RESPONSE (Hz)	20-300
Fs (Hz)	34
Qes	.388
Qms	5.041
Qts	.360
Vas (Ft3)	2.31
Xmax (in.)	.565
SPL (dB)	90
HOLE SIZE (INCHES)	14.25
WOOFER DEPTH (INCHES)	8.125

Recommended box sizes

Sealed Enclosure Recommendations

Optimum 1.75 cubic feet	
Minimum	1.2 cubic feet

Vented Enclosure Recommendations

Requ	ired Airspace	F3	Tune Freq.	Port (dia x length)	Qty of Port(s)
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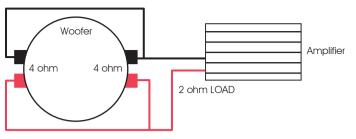
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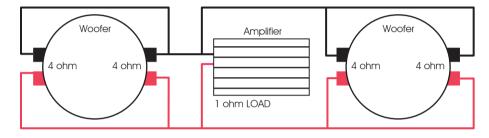
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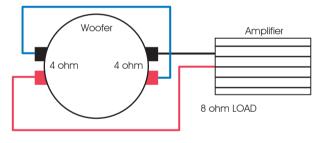
Parallel Wiring of Dual Voice Coils (1 Woofer)



Parallel Wiring of Dual Voice Coils (2 Woofers)



Series Wiring of Dual Voice Coils (1 Woofer)



Series/Parallel Wiring of Dual Voice Coils (2 Woofers)

