



## NVX YSW1 Series Subwoofers User Manual

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## THANK YOU FOR CHOOSING NVX

Congratulations on the purchase of your new NVX subwoofer. The Y-Series subwoofer you hold in your hands is the culmination of an extensive research, development and real world testing process. While this isn't the easiest way to build a sub, the time and personal attention we dedicate reflects in the quality and performance of the finished product. We are proud to build NVX subwoofers and are confident you will be proud to own one.

## SPECIFICATIONS

Y-SERIES V3	YSW102	YSW104	YSW122	YSW124	YSW152	YSW154
Power Range (RMS)	800 Watt RMS	800 Watt RMS	800 Watt RMS	800 Watt RMS	800 Watt RMS	800 Watt RMS
Impedance per Voice Coil	2 Ohm	4 Ohm	2 Ohm	4 Ohm	2 Ohm	4 Ohm
Frequency Response	20-200 Hz	20-200 Hz	20-200 Hz	20-200 Hz	20-200 Hz	20-200 Hz
Fs	30.24 Hz	30.68 Hz	27.30 Hz	28.60 Hz	27.50 Hz	27.70 Hz
QES	0.480	0.543	0.654	0.611	0.807	0.855
QMS	6.383	4.129	5.414	4.126	5.851	5.601
QTS	0.446	0.480	0.584	0.532	0.709	0.742
Vas	12.67 L	14.43 L	29.12 L	28.71 L	52.06 L	54.08 L
Xmax	15 mm	15 mm	15 mm	15 mm	15 mm	15 mm
SPL (1W/M)	85 dB	85 dB	85 dB	85 dB	85 dB	85 dB
Sd	49.67 in.2	49.67 in.2	72.47 in.2	72.47 in.2	124.65 in.2	124.65 in.2
Re	3.6 $\Omega$	6.4 $\Omega$	3.6 $\Omega$	6.4 $\Omega$	3.6 $\Omega$	6.4 $\Omega$
Displacement	0.06 cu. Ft.	0.06 cu. ft.	0.09 cu. ft.	0.09 cu. Ft	0.16 cu. Ft	0.16 cu. Ft.
Net Weight (lbs)	19.40	19.40	20.17	20.17	20.94	20.94

*\*All specs are after an 8 hour break in period. Results vary based on enclosure type and volume. See page 3*

<b>A Overall Diameter</b>	<b>10.35" (263 mm)</b>	<b>10.35" (263 mm)</b>	<b>12.44" (316 mm)</b>	<b>12.44" (316 mm)</b>	<b>15.51" (394 mm)</b>	<b>15.51" (394 mm)</b>
<b>B Mounting Diameter</b>	9.67" (246 mm)	9.67" (246 mm)	11.73" (298 mm)	11.73" (298 mm)	14.6" (373 mm)	14.6" (373 mm)
<b>C Cutout Diameter</b>	8.93" (227 mm)	8.93" (227 mm)	11.14" (283 mm)	11.14" (283 mm)	13.97" (355 mm)	13.97" (355 mm)
<b>D Mounting Depth</b>	5.90" (150 mm)	5.90" (150 mm)	6.5" (166 mm)	6.5" (166 mm)	7.47" (184 mm)	7.47" (184 mm)

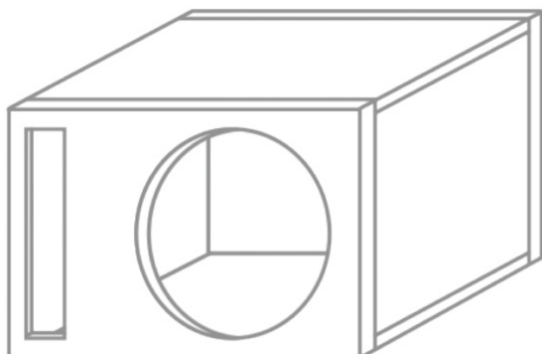
## ENCLOSURES

The enclosure designs listed will give you the best possible performance from your Y-Series subwoofer.

### PORTED BOX

Ported boxes are the enclosure type we recommend for optimum performance of your Y-Series Subwoofer.

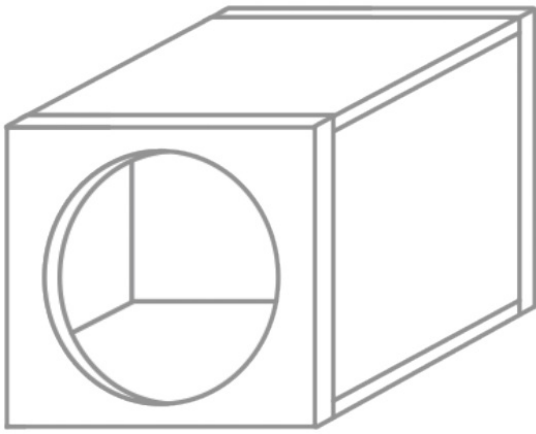
A ported box features a vent or port to couple the woofer's back-wave with the front-wave. This results in markedly improved efficiency and low frequency response. These enclosures are somewhat larger than the sealed alternative.



<b>Y-SERIES V1</b>	<b>YSW102</b>	<b>YSW104</b>	<b>YSW122</b>	<b>YSW124</b>	<b>YSW152</b>	<b>YSW154</b>
Volume (net int.)	1.50 cu. ft	1.50 cu. ft.	1.85 cu. Ft	1.85 cu. Ft	3.5 cu. Ft.	3.5 cu. Ft
Tuning Frequency	34 Hz	36 Hz	32 Hz	32 Hz	33 Hz	33 Hz
F3 (Hz)	32 Hz	33 Hz	29 Hz	29 Hz	32 Hz	32 Hz
Port Area (in <sup>2</sup> )	17.5	17.5	21	21	26.25	26.25
Port Length (in)	23.5	23.5	25.85	25.85	14.1	14.1

### SEALED BOXES

A sealed enclosure offers improved acoustic suspension and cone control, which reduces distortion. They are smaller than their ported counterparts, and offer flatter bass response with more concisely across the frequency range.



Y-SERIES V1	YSW102	YSW104	YSW122	YSW124	YSW152	YSW154
Volume (net i nt.)	0.45 cu. Ft.	0.45 cu. Ft.	0.75 cu. Ft.	0.75 cu. Ft.	2.0 cu. ft.	2.0 cu. ft.
F3 (Hz)	45 Hz	45 Hz	39 Hz	39 Hz	32 Hz	32 Hz
QTC	0.707	0.707	0.816	0.816	1.037	1.037

## WARRANTY

NVX warrants to the original retail purchaser that this product is to be free from defective materials and workmanship for a period of one (1) year from the date of purchase, if it is properly used and maintained. If this product proves defective in either material or workmanship, NVX, at it's discretion, will (a) repair the product, or (b) replace the product, at no charge for parts or labor.

If the product model is no longer available and cannot be repaired effectively or replaced with an identical model,

## LIMITATIONS:

- This limited warranty does not cover failure of the product resulting improper installation, misuse, abuse, accident, neglect, mishandling, or wear from ordinary use or environmental deterioration.
- This limited warranty does not cover cosmetic damage, including paint damage, or consequential damage to ordinary use or environmental deterioration.
- This limited warranty does not cover cosmetic damage, including paint damage, or consequential damage to other components or premises which may result for any reason from the failure of the product.
- This limited warranty is null and void for products not used in accordance with NVX's instructions.
- This limited warranty is null and void for products with altered or missing serial numbers and for products not purchased from an authorized dealer.
- This limited warranty terminates if you sell or otherwise transfer this product to another party.
- This limited warranty is null and void for any speaker or subwoofer that has been damaged due to over-powering causing burnt voice coils and /or mechanical failures such as ripped spiders or surrounds.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE, JURISDICTION TO JURISDICTION, OR COUNTRY TO COUNTRY. NVX'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPLACEMENT OR REPAIR AS SET FORTH IN THIS WARRANTY STATEMENT. ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN TIME TO THE TERM OF

THIS WARRANTY. SOME STATES, JURISDICTIONS, OR COUNTRIES DO NOT ALLOW THE EXCLUSION OF CERTAIN IMPLIED WARRANTIES OR CONDITIONS, OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITION LASTS, SO THIS LIMITATION MAY NOT APPLY TO YOU. NVX DOES NOT ACCEPT LIABILITY FOR SPECIAL, INDIRECT, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING WITHOUT LIMITATION, ANY LIABILITY FOR THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES OR FOR PRODUCTS NOT BEING AVAILABLE FOR USE. THE MAXIMUM LIABILITY FOR WHICH NVX MAY BE RESPONSIBLE WILL BE NO MORE THAN THE AMOUNT YOU PAID FOR THE PRODUCT THAT IS THE SUBJECT OF THE CLAIM. SOME STATES, JURISDICTIONS, OR COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF SPECIAL, INDIRECT, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

### **Warranty Outside the U.S.**

The Warranty on this product shall comply with applicable law when sold to a consumer outside of the United States. To obtain any applicable warranty service, please contact the dealer from which you purchased this product, or the distributor that supplied this product.

## **WHAT TO DO IF YOU NEED WARRANTY OR SERVICE**

Defective products should be returned to the place of purchase. Your authorized NVX dealer is trained to handle and expedite any warranty claim. Assistance in locating an authorized dealer can be found at [nvx.com](http://nvx.com) or by contacting NVX directly.

Alternatively, if it becomes necessary for you to return defective product directly to NVX, please refer to the following instructions for warranty service:

- Receive your RA Number from NVX online at [nvx.com/support](http://nvx.com/support)
- Package all defective components in the original packaging (if available) or in a package that will prevent shipping damage.
- Package the original packaging in an additional shipping container to avoid shipping damages and to comply with most shipping couriers such as UPS and FedEx.
- Insure your return at the price paid as NVX is not responsible for insurance losses or damages occurring in shipment to our facility.
- Clearly mark RA Number on the outside shipping container.
- Return only defective components as the return of functioning items increases your return freight charges.
  - Non-defective returns or products not eligible for warranty service will be returned freight collect.
- Include a copy of the original receipt with the purchase date clearly visible, and a “proof-of-purchase” statement listing the customer’s name, dealer’s name and invoice number, and product purchased.
  - Warranty expiration on items without proof-of-purchase will be determined from type of sale and the manufacturing date code.
- Ship your package freight prepaid to the address below. Items sent freight collect or COD will be refused.

### **NVX**

**Attn:** Returns 742 S. 11th st.  
Louisville, KY 40210

Failure to follow the steps listed above may void your warranty. Any questions can be directed via email to [cs@nvx.com](mailto:cs@nvx.com) or via mail at the address listed above.

### **Warranty Card**

Authorized Dealer's Name: \_\_\_\_\_

Purchase Date: \_\_\_\_\_

Model Number: \_\_\_\_\_

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

Visit: [nvx.com](http://nvx.com)

Call: 213.444.1689

742 S. 11th St., Louisville, KY 40210



## Documents / Resources



[NVX YSW1 Series Subwoofers \[pdf\] User Manual](#)

YSW102, YSW104, YSW122, YSW124, YSW152, YSW154, YSW1 Series Subwoofers, YSW1 Series, Subwoofers

## References

- [NVX Car Speakers, Subwoofers, Amplifiers and Installation Accessories](#)
- [User Manual](#)

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