

INSTRUCTION MANUAL

SONANCE VP10SUB NC AND VP12SUB NC



Introduction

Thank you for purchasing a Sonance Visual Performance Series VP10SUB NC or VP12SUB NC In-wall Subwoofer. When properly installed, these subwoofers will deliver film soundtracks and music with outstanding clarity and realism, even in large home theatre rooms. This manual covers the Sonance VP10SUB NC and VP12SUB NC models.

Box Contents VP10SUB NC

- (1) VP10SUB NC Driver
- (1) Grille Mounting Frame
- (1) Grille
- (12) Flat Head Phillips Screws for mounting the Frame
- (12) Hex Head Screws for mounting the Driver
- (1) Hex Head Driver

VP10SUB NC should be paired with the DSP 2-150 amplifier (sold separately).

Box Contents VP12SUB NC

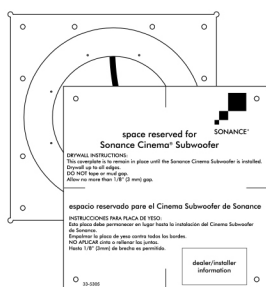
- (1) VP12SUB NC Driver
- (1) Grille Mounting Frame
- (1) Grille
- (12) Flat Head Phillips Screws for mounting the Frame
- (12) Hex Head Screws for mounting the Driver
- (1) Hex Head Driver

VP12SUB NC should be paired with the DSP 2-750 amplifier (sold separately).

SONANCE VP10SUB NC AND VP12SUB NC

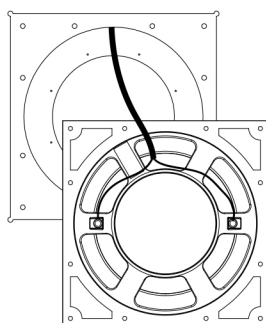
Installing the Driver

Remove the four screws that attach the coverplate to the enclosure.



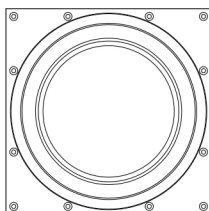
Connect the internal wire to the woofer driver. Connect the RED wire to the Positive Terminal and the Black wire to the Negative terminal.

If you are using multiple subwoofers it is critical that the polarity of all the woofers must be the same.



Attach the woofer driver to the enclosure using the twelve hex head screws. The appropriate hex driver is included with the screws.

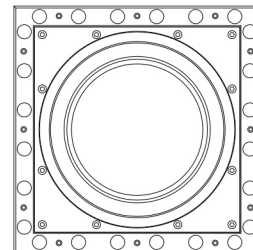
Tighten all twelve screws evenly to minimize any air leakage that could occur.



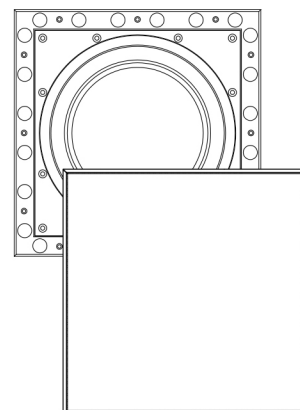
Installing the Grille and Frame

Attach the Grille Mounting Frame to the enclosure using the twelve flat head Phillips head screws.

Tighten all the screws evenly so the Grill Mounting Frame is flush with the wall at all points around the perimeter.



Install the Grille onto the Grille Mounting Frame. The powerful Neodymium magnets will attract the grille very quickly. Care should be taken to get the grille aligned correctly before placing it close to the Grille Mounting Frame.



Painting the Grille

Please refer to the accompanying Painting Instructions sheet for painting instructions.

Setup and Calibration

Typical Home Theater

Subwoofer Driver Phase

Before connecting the wires from the subwoofer driver to the amplifier you should make certain that the subwoofer driver is connected in the proper phase. To do this take a small battery rated at around 1.5 volts; AA, C and D batteries are all this voltage. Hold the positive wire from the subwoofer driver on the batteries positive terminal an momentarily touch the negative wire on the negative terminal. As you touch the negative wire on the negative terminal observe the subwoofer driver, it should move out (into the room) every time you touch the terminal.

If the woofer moves in that indicates the woofer is not connected correctly. You can either remove the subwoofer driver from the enclosure and reverse or correct the connection there or just reverse the connections on the back of the amplifier to return the subwoofer system to the correct phase.

If your home theater contains more than one subwoofer repeat the above process for each subwoofer driver. In a multiple subwoofer installation this step is critical to achieve maximum performance.

Calibration

Now you are ready to calibrate your system. Many modern surround receivers and processors contain an automatic calibration and equalization system. If yours does contain one follow the manufacturer's instructions on how to complete this process. The highest performance will be achieved if you complete this calibration process. This automatic process not only sets the correct level for the subwoofer but also performs equalization to provide the best bass performance possible in your room.

If your surround receiver or processor does not contain an automatic calibration routine you will need to do this manually. Once again following the instruction provided with your surround receiver or processor. A simple SPL (sound pressure level) meter will be needed to calibrate your system correctly. The use of an SPL meter is strongly recommended.

Specifications

VP10SUB NC

Woofer:	10" (254mm) laminated carbon fibre cone with a rubber surround
Frequency Response:	30Hz - 250Hz $\pm$ 3dB
Impedance:	8 ohms nominal
Power Handling:	5 watts minimum / 250 watts maximum
Sensitivity:	88dB SPL (2.83V/1 meter)
Grille:	Perforated steel
Requirement:	Requires VP10SUB NC acoustic enclosure and Sonamp DSP 2-150 amplifier both sold separately
Dimensions	
Woofer (WxHxD):	10 7/16" x 10 7/16" x 3 5/32" (265mm x 265mm x 80.2mm)
Dimensions	
Grille (WxHxD):	13 1/16" x 13 1/16" x 5/32" (332mm x 332mm x 4mm)
Shipping Weight:	18 lbs (8.2kg) each

VP12SUB NC

Woofer:	12" (305mm) laminated carbon fibre cone with a rubber surround
Frequency Response:	25Hz - 250Hz $\pm$ 3dB
Impedance:	8 ohms nominal
Power Handling:	5 watts minimum / 500 watts maximum
Sensitivity:	90dB SPL (2.83V/1 meter)
Grille:	Perforated steel
Requirement:	Requires VP12SUB NC acoustic enclosure and Sonamp DSP 2-750 amplifier both sold separately
Dimensions	
Woofer (WxHxD):	12 3/8" x 12 3/8" x 3 5/32" (314mm x 314mm x 80.2mm)
Dimensions	
Grille (WxHxD):	15" x 15" x 5/32" (381mm x 381mm x 4mm)
Shipping Weight:	19 lbs (8.6kg) each

LIMITED LIFETIME WARRANTY

Sonance warrants to the first end-user purchaser that this Sonance-brand product ("Product"), when purchased from an authorized Sonance Dealer/Distributor, will be free from defective workmanship and materials for the life of the Product, except for the grille, which is warranted for five (5) years. Sonance will at its option and expense either repair the defect or replace the Product with a new or remanufactured Product or a reasonable equivalent.

EXCLUSIONS

TO THE EXTENT PERMITTED BY LAW, THE WARRANTY SET FORTH ABOVE IS IN LIEU OF, AND EXCLUSIVE OF, ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, AND IS THE SOLE AND EXCLUSIVE WARRANTY PROVIDED BY SONANCE. ALL OTHER EXPRESS AND IMPLIED WARRANTIES, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY, IMPLIED WARRANTY OF FITNESS FOR USE, AND IMPLIED WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE ARE SPECIFICALLY EXCLUDED. No one is authorized to make or modify any warranties on behalf of Sonance.

The warranty stated above is the sole and exclusive remedy and Sonance's performance shall constitute full and final satisfaction of all obligations, liabilities and claims with respect to the Product. IN ANY EVENT, SONANCE SHALL NOT BE LIABLE FOR CONSEQUENTIAL, INCIDENTAL, ECONOMIC, PROPERTY, BODILY INJURY, OR PERSONAL INJURY DAMAGES ARISING FROM THE PRODUCT, ANY BREACH OF THIS WARRANTY OR OTHERWISE.

This warranty statement gives you specific legal rights, and you may have other rights which vary from state to state. Some states do not allow the exclusion of implied warranties or limitations of remedies, so the above exclusions and limitations may not apply. If your state does not allow disclaimer of implied warranties, the duration of such implied warranties is limited to period of Sonance's express warranty.

Your Product Model and Description: Sonance Visual Performance VP10SUB NC and VP12SUB NC In-Wall Subwoofer

Additional Limitations and Exclusions from Warranty Coverage: The warranty described above is non-transferable, applies only to the initial installation of the Product, does not include installation of any repaired or replaced Product, does not include damage to allied or associated equipment which may result for any reason from use with this Product, and does not include labor or parts caused by accident, disaster, negligence, improper installation, misuse (e.g. overdriving the amplifier or speaker, excessive heat or cold or humidity), or from service or repair which has not been authorized by Sonance.

Obtaining Authorized Service: To qualify for the warranty, you must contact your authorized Sonance Dealer/Installer or call Sonance Customer Service at (949) 492-7777 within the warranty period, must obtain a return merchandise number (RMA), and must deliver the Product to Sonance shipping prepaid during the warranty period, together with the original sales receipt, or invoice or other satisfactory proof of purchase.



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