

VX-10
Owner's Manual

Velodyne[®]

Audio/Video Subwoofer

IMPORTANT SAFETY INSTRUCTIONS



Caution: To reduce the risk of electric shock, do not remove cover (or back). No user-serviceable parts inside. Refer servicing to qualified service personnel.

The lightning flash with arrowhead symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the subwoofer.

1. Read Instructions -- All safety and operating instructions should be read before the subwoofer is operated.
2. Retain Instructions -- The safety and operating instructions should be retained for future reference.
3. Heed Warnings -- All warnings on the subwoofer and in the operating instructions should be adhered to.
4. Follow Instructions -- All operating and use instructions should be followed.
5. Water and Moisture -- The subwoofer should **not** be used near water -- for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, near a swimming pool, or the like.
6. Carts and Stands -- The subwoofer should be used only with a cart or stand recommended by the manufacturer to avoid injury from tipping over.
7. Wall or Ceiling Mounting -- The subwoofer should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation -- The subwoofer should be situated so that its location or position does not interfere with its proper ventilation. For example, the subwoofer should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or placed in a built-in installation such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat -- The subwoofer should be situated away from heat sources such as radiators, heat registers, stoves, or other subwoofers that produce heat.
10. Power Sources -- The subwoofer should be connected to a power supply only of the type described in the operating instructions or as marked on the subwoofer.
11. Power-Cord Protection -- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point at which they exit from the subwoofer.
12. Caution: To prevent electrical shock, match wide blade of plug to wide slot, fully inserted.
13. Cleaning -- The subwoofer should be cleaned only as recommended by the manufacturer.
14. Nonuse Periods -- The power cord of the subwoofer should be unplugged from the outlet when left unused for a long period of time.
15. Object and Liquid Entry -- Care should be taken so that objects do not fall and liquids are not spilled onto the enclosure.
16. Damage Requiring Service -- The subwoofer should be serviced by qualified service personnel when:
 - a. The power-supply cord or plug has been damaged.
 - b. Objects have fallen or liquid has been spilled into the subwoofer.
 - c. The subwoofer has been exposed to rain.
 - d. The subwoofer does not appear to operate normally or exhibits a marked change in performance.
 - e. The subwoofer has been dropped or damaged.
17. Servicing -- The user should not attempt to service the subwoofer beyond what is described in the operating instructions.
18. Overloading -- Do not overload wall outlets, extension cords, or integral convenience receptacles as this can result in a risk of fire or electric shock.
19. Replacement parts -- When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer or have the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock, or other hazards.
20. Safety Check -- Upon completion of any service or service of repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.
All other servicing should be referred to qualified service personnel.



WICHTIGE SICHERHEITSHINWEISE



Vorsicht: Zur Vermeidung von Gefahr durch elektrischen Schlag, Deckel (oder Rückwand) nicht abnehmen. Produkt enthält keine Anwenderteile. Reparatur und Wartung nur von qualifiziertem Fachpersonal vornehmen lassen.

Das Blitzsymbol dient als Hinweis auf unisolierte „gefährliche Spannungen“ innerhalb des Gehäuses, deren Werte eine Berühungsgefahr für den Menschen darstellen können.

Das Symbol mit dem Ausrufungszeichen dient als Hinweis auf wichtige, in den Unterlagen des Subwoofers enthaltene Bedienungs- und Wartungsvorschriften.

1. Anleitungen lesen - Alle Sicherheits- und Bedienungsanleitungen vor Inbetriebnahme des Subwoofers aufmerksam durchlesen.
2. Anleitungen aufbewahren - Die Sicherheits- und Bedienungsanleitungen zur späteren Bezugnahme aufbewahren.
3. Warnungen beachten - Alle Warnungen am Subwoofer und in der Bedienungsanleitung unbedingt beachten.
4. Anleitungen befolgen - Alle Bedienungs- und Gebrauchsanleitungen genau befolgen.
5. Wasser und Feuchtigkeit - Subwoofer nicht in der Nähe von Wasser aufstellen, d.h. neben einer Badewanne, Spüle, Waschmaschine, in einem feuchten Keller, in der Nähe des Swimmingpools o.ä..
6. Rollwagen und Ständer - Subwoofer nur mit einem vom Hersteller empfohlenen Rollwagen oder Ständer benutzen.
7. Wand- oder Deckenbefestigung - Subwoofer nur den Herstellerempfehlungen gemäß an der Wand oder Decke befestigen.
8. Belüftung - Subwoofer so aufstellen, daß die erforderliche Belüftung nicht behindert wird. D.h., Subwoofer nicht auf einer weichen Oberfläche wie einem Bett, Sofa, Teppich o.ä. aufstellen, die die Belüftungsöffnungen blockieren kann. Subwoofer gleichfalls nicht in einem Regal oder Schrank unterbringen, worin die Luftzufuhr behindert wird.
9. Wärme - Subwoofer nicht in der Nähe von Wärmequellen, wie Heizkörpern, Wärmespeichern, Öfen oder anderen wärmeerzeugenden Subwoofern aufstellen.
10. Netzanschluß - Subwoofer nur an eine der in der Bedienungsanleitung beschriebenen oder auf dem Subwoofer angegebenen Stromquellen anschließen.
11. Netzkabelschutz - Netzkabel so verlegen, daß nicht daraufgetreten wird oder sie durch darauf- oder dagegenestellte Gegenstände eingeklemmt werden können. Die Anschlußstellen des Netzkabels an Steckdosen und am Subwoofer dabei besonders beachten.
12. "Vorsicht": Zur Vermeidung von Gefahr durch elektrischen Schlag sicherstellen, daß der Schutzkontakt des Steckers vollständig in die Steckdose eingeführt ist.
13. Reinigung - Subwoofer nur den Herstellerempfehlungen gemäß reinigen.
14. Betriebsfreie Zeiträume - Netzkabel des Subwoofers aus der Steckdose ziehen, wenn er über einen längeren Zeitraum nicht benutzt wird.
15. Beschädigungen durch Gegenstände oder Flüssigkeiten - Es ist darauf zu achten, daß keine Gegenstände auf das Gehäuse fallen oder Flüssigkeiten darauf verschüttet werden.
16. Beschädigungen, die eine Reparatur erforderlich machen - Subwoofer sollte von qualifiziertem Fachpersonal repariert werden, wenn:
 - a. Das Netzkabel oder der Stecker beschädigt sind.
 - b. Gegenstände oder Flüssigkeiten in den Subwoofer gelangt sind.
 - c. Der Subwoofer dem Regen ausgesetzt wurde.
 - d. Der Betrieb des Subwoofers gestört ist oder seine Leistung deutlich nachgelassen hat.
 - e. Der Subwoofer fallengelassen oder beschädigt wurde.
17. Reparatur und Wartung - Durch den Benutzer auszuführende Wartungsmaßnahmen des Subwoofers sind auf die in der Bedienungsanleitung angegebenen Prozeduren beschränkt.
18. Überlastung - Zur Vermeidung von Brandgefahr und elektrischem Schlag Wandsteckdosen, Verlängerungskabel bzw. eingebaute Steckdosen nicht überlasten.
19. Ersatzteile - Wenn Ersatzteile benötigt werden, sicherstellen, daß der Servicetechniker entweder die vom Hersteller angegebenen Ersatzteile benutzt oder Teile, die den Originalteilen entsprechende Kennwerte besitzen. Die Verwendung von Ersatzteilen, die nicht zugelassen sind, kann Brände, elektrischen Schlag oder andere Gefahren verursachen.
20. Sicherheitsprüfung - Nach Beendigung von Wartungs- oder Reparaturmaßnahmen an diesem Produkt



IMPORTANTES CONSIGNES DE SECURITE



Attention: Afin d'éviter tout risque d'électrocution, ne pas enlever le boîtier (ou partie arrière de l'enceinte). Aucune pièce ne doit être manipulée par l'utilisateur. Pour tout entretien, vous référer à un personnel de service qualifié.

Le symbol de l'éclair avec la flèche sert à avertir l'utilisateur de la présence d'un "voltage dangereux" non isolé dans l'enceinte du produit d'une magnitude pouvant constituer un risque d'électrocution de personnes.

Le symbol du point d'exclamation sert à avertir l'utilisateur que d'importants conseils de fonctionnement et de maintenance (entretien) sont fournis avec l'enceinte d'extrêmes graves.

1. Lire le mode d'emploi - Tous les conseils de sécurité et de fonctionnement doivent être lus avant de mettre en marche l'enceinte.
2. Garder le mode d'emploi - Il est conseillé de conserver les conseils de sécurité et de fonctionnement pour un éventuel usage futur.
3. Avertissements - Il est important de se conformer à tous les conseils de fonctionnement concernant l'enceinte et à toutes les instructions inscrites sur l'enceinte.
4. Suivre les conseils - Tous les conseils d'utilisation et de fonctionnement doivent être suivis à la règle.
5. Eau et humidité - Ne pas utiliser l'enceinte près d'une source d'eau - par exemple, près de la baignoire, d'une piscine de lavage, d'un évier de cuisine, d'un bac à lavage, dans un sous-seul mouillé, près d'une piscine...
6. Pieds et Supports - N'utiliser que des pieds et supports recommandés par le fabricant.
7. Assemblage mural ou au plafond - Se conformer uniquement aux instructions du fabricant pour fixer l'enceinte sur un mur ou sur un plafond.
8. Ventilation - Il est important de placer l'enceinte de telle sorte qu'elle ne gêne pas sa propre ventilation. Par exemple, ne pas placer l'enceinte sur un lit, un canapé, sur la moquette, ou sur toute surface similaire qui bloque les ouvertures de ventilation ; ne pas poser l'enceinte dans une meuble encastré ou fermé telle qu'une bibliothèque ou un meuble qui empêche l'air de circuler par les ouvertures de ventilation de l'enceinte.
9. Chaleur - Placer l'enceinte loin de toute source de chaleur tels que radiateurs, compteurs thermiques, fours ou autres enceintes dégagant de la chaleur.
10. Sources d'électricité - Ne brancher l'enceinte que dans une prise du type décrit dans le mode d'emploi ou comme indiqué par le fabricant.
11. Protection du cordon électrique - Les cordons électriques doivent être fixés pour éviter que toute personne ne marche dessus et que rien ne puisse être placé sur ou contre eux - faire tout particulièrement attention aux cordons branchés dans des prises électriques, à des réceptacles et à leurs points de sorties de l'enceinte.
12. "Attention : Afin d'éviter tout choc électrique, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond".
13. Nettoyage - Pour le nettoyage de l'enceinte, suivre scrupuleusement les instructions du fabricant.
14. Périodes de non-utilisation - Le cordon électrique de l'enceinte doit rester débranché si l'enceinte reste inutilisée pendant une longue période de temps.
15. Infiltration d'objet ou de liquide - Faire attention à ce qu'aucun objet ne tombe et à ce qu'aucun liquide ne soit versé sur l'enceinte.
16. Dommages nécessitant réparation - L'enceinte ne doit être réparée que par du personnel qualifié lorsque :
 - a. le cordon électrique ou la prise ont été endommagés.
 - b. Des objets sont tombés ou du liquide a été versé sur l'enceinte.
 - c. L'enceinte a été exposée à la pluie.
 - d. L'enceinte ne semble pas fonctionner normalement ou indique un changement de performance.
 - e. L'enceinte est tombée par terre ou a été endommagée.
17. Entretien - L'utilisateur ne doit pas tenter de réparer l'enceinte au-delà de ce qui est décrit dans le mode d'emploi.
18. Surcharge - Ne pas surcharger les prises murales, les rallonges, ou les prises femelles encastrées de commodité. On risquerait un incendie ou un choc électrique.



Congratulations!

Congratulations on your purchase of a Velodyne subwoofer system. This system represents the state of the art in home audio reproduction and will provide you with years of listening pleasure when properly cared for. Read and follow this instruction manual to insure safe and proper system connection and operation.

Caution!

Please observe the following instructions to insure safe and proper system operation.

Note: Do not leave unit in direct sunlight or use in high humidity environments!!!

Warning!

To prevent fire or shock hazard, do not expose this equipment to rain or moisture. To avoid electrical shock, do not open speaker enclosure or amp chassis cover. Please observe all warnings on the equipment itself. There are no user serviceable parts inside. Please refer all service questions to your authorized Velodyne dealer.

Prior to installation:

Please unpack the system carefully. This unit is heavy. Use caution when lifting or moving to avoid injury. Remove all staples used to seal the carton as they can scratch the cabinet. Please save the carton and all packaging materials for future use. Packing this unit in any other carton may result in severe damage when shipping. Record the serial number in the space provided on page 15 for future reference.



Product Features

- 10" (8.5" piston diameter) subwoofer with 2.0" high-temp voice coil and 40 ounce motor structure
- Adjustable (50 to 200Hz) low-pass crossover
- Line-level (RCA) inputs
- Speaker-level inputs and outputs with spring loaded terminals
- Signal sensing auto turn on/off
- Variable volume control
- Selectable phase control (0° or 180°)
- Frequency response of 36 - 120 Hz (+/- 3dB)
- Low-pass crossover @ 12dB/octave
- Green power on/ Red power standby mode indicator LED

Prepare for Installation

Your new Velodyne subwoofer provides for a number of installation options. Read all the installation information below in order to determine which installation option is best for your system. **Remember to perform all installation procedures with system power turned off to prevent possible damage.**

Placement

True subwoofers operate at extremely low frequencies which are primarily omnidirectional. Keep in mind that frequency response and output level can be **drastically** influenced by placement, depending on the acoustic properties of the listening room. Typically, the optimum location for a subwoofer is tucked away in a corner of your listening room. This location will usually offer the greatest output levels and optimum low frequency extension. The worst location for a subwoofer is typically far away from any walls, and close to the center of your room. Avoid these locations when possible. When using a pair of Velodyne subwoofers in stereo, it is preferable to place each subwoofer by the satellite of the same channel.

Caution! This subwoofer has electronics built into the cabinet. Do not place the cabinet next to sources of heat such as furnace registers, radiators, etc. Do not place the unit near sources of excessive moisture, such as evaporative coolers, humidifiers, etc. The power cord should be routed in such a way that it will not be walked on, pinched, or compressed in any way that could result in damaging the insulation or wire.



Regardless of where you install your Velodyne subwoofer, it must remain in an upright position (woofer facing forward). Using, shipping, or otherwise storing the subwoofer in any other position for an extended period of time may result in damage to the unit not covered by warranty.

The VX-10 is magnetically shielded to reduce the amount of stray magnetic energy emitted from the speaker's motor structure. This greatly increases flexibility when placing the unit close to video monitors as there is very little stray magnetism. Certain types of televisions are particularly sensitive to stray magnetic fields. If your television produces distorted colors after installing your subwoofer, simply increase the distance between your television and the subwoofer, until normal color and operation is returned.

Your new Velodyne subwoofer, like any good speaker system, requires proper positioning within the listening space to provide maximum performance. Improperly placed speakers may degrade the sound quality and reduce your listening pleasure. Depending on the size and type of furnishings in the room, perfect placement may not be possible. Finding the best location for your environment will likely require some experimentation. We suggest you experiment with the location during setup to find what sounds best to you when seated in your typical listening position.

Installation

Inputs

Your new subwoofer is equipped with speaker-level and line-level inputs. Use the **LINE LEVEL** jacks when connecting your subwoofer to a pre-amp, signal processor, line-level crossover, or receiver with pre-amp level outputs. The **SPEAKER LEVEL** jacks connect directly to the speaker outputs of any amplifier, integrated amplifier, or receiver. Your amplifier section will notice no additional loading effects when you use these inputs due to their very high impedance.

Important!!!

Do not use both LINE LEVEL and SPEAKER LEVEL connections simultaneously!

Volume Control

This control allows you to balance the output from the subwoofer to the main speakers/amplifier in your system. This control should be set to achieve similar output levels from both the main speakers and subwoofer when listening to music. A good starting point for the volume control is 2 or 3 dots from minimum.



Low-pass crossover - 50 to 200Hz

All inputs sum the left and right channels together, with the resulting signal passing through an adjustable low-pass crossover before being amplified. The crossover control allows you to adjust the upper limit of the subwoofer's frequency response from 50 to 200Hz. The subwoofer's response will begin rolling off above the frequency you set this control to. You should set the crossover frequency to obtain a smooth and seamless transition from the subwoofer to the main speakers in your system. If your main speakers are smaller units with limited low frequency output, you may wish to choose a higher frequency (such as 100-120Hz) than you would with larger speakers which have greater low frequency output. With larger speakers, you might start with this control set lower, such as 80Hz.

Phase adjustment - 0°/180°

This control allows you to "reverse" the phase of the subwoofer's output signal 180° to correct for any possible mismatch and resulting cancellation between the subwoofer and your main speakers/amplifier. To adjust, simply listen to the system with music playing, then depress the phase switch from one position to the other and listen for a change in low frequency output. The correct position will have a greater amount of apparent low frequency output.

Auto turn on function

The subwoofer will turn itself on automatically when an audio signal is present. If no signal is present for approximately 8 minutes, the unit will switch to standby mode (Red LED). While in standby mode, your subwoofer will draw very minimal power.

Power switch (230V models only)

The master power switch is located on the lower half of the unit. This rocker style switch is the main on/off for the unit. This switch should be set to position **1 (up) for "ON" and 0 (down) for "OFF"**.

Subwoofer outputs

The Velodyne subwoofer is designed to operate using the full range audio signal for input when using the built-in crossover. Some processors/receivers, have a "subwoofer out" jack that is internally filtered and designed to be used with a conventional amplifier and speaker. In some rare cases, combining both an external crossover and the one internal to the subwoofer may result in low output and increased noise. In these installations you may need to bypass the internal crossover in either the processor or Velodyne subwoofer. In some installations, simply setting one crossover to a higher frequency (such as 120 Hz) will restore maximum performance.



Speaker Line-level Connections

When installed in this fashion the satellite speakers will be crossed over at 80Hz. This removes the lower bass from your amplifier and speakers, enabling them to do a better job reproducing high frequencies. By utilizing this method you will have a bi-amplified system, gaining improved power and headroom for your system.

Subwoofer Outputs

The Velodyne subwoofer is designed to operate using the full range audio signal for input when using the built-in crossover. Many home theater processors/receivers (Dolby Digital, DTS, THX) have a "subwoofer out" jack that is internally filtered and designed to be used with a powered subwoofer. In some installations, it may be beneficial to have a steeper ultimate crossover slope. To do this, you can use both your processor's crossover and the one internal to the Velodyne sub.

(Refer to Figure 2a and 2b, Page 11 and 12 for connection diagram)

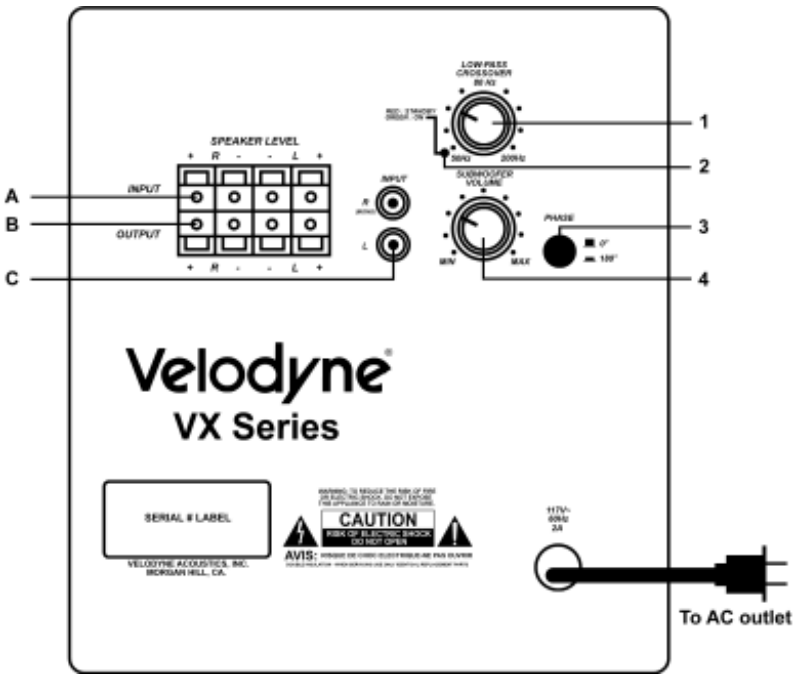


Figure 1. Rear panel inputs, output and operational layout.



Operational References

(see Figure 1, Page 8)

- A SPEAKER LEVEL INPUT terminals**
Connect these input terminals to the speaker output terminals of your amplifier or receiver.
- B SPEAKER LEVEL OUTPUT terminals**
The speaker-level signal to the front speakers is output from these terminals.
- C LINE INPUT jacks**
Connect these jacks to the LINE OUT jacks of the amplifier.
- 1 LOW-PASS CROSSOVER**
Use this knob to select the high-frequency range at which you wish to cut-off the signal to the subwoofer.
- 2 Power indicator**
Red: Unit is in standby mode.
Green: Unit is in operation mode.
(automatically turns to STANDBY mode if no signal for 8 min.)
- 3 PHASE switch**
Select the switch position at which you hear a louder bass sound.
- 4 VOLUME LEVEL knob**
Use this knob to adjust the output level of the subwoofer.
- 5 POWER switch (230V model only)**
Main power switch. This switch should be turned in the off position when the subwoofer is not being used for extended periods of idle time to extend the life of the subwoofer..



Speaker-level Connection

Connect your Velodyne subwoofer directly to your receiver or integrated amplifier. Your receiver or amplifier will not notice the additional load of the subwoofer due to the high input impedance.

Caution!!! To avoid damage to your main amplifier, be sure to maintain correct polarity when making all connections. Red (positive) to red, and black (negative) to black. Be sure that all connections are tight, and that there are no loose strands or frayed wires.

Interconnect Cables

When installing your new Velodyne subwoofer using the line level connections, you should always use shielded phono cables. There are many decent cables available today, most any of which will work perfectly well. We do recommend that you keep the length of cable as short as possible to avoid any potential noise problems.

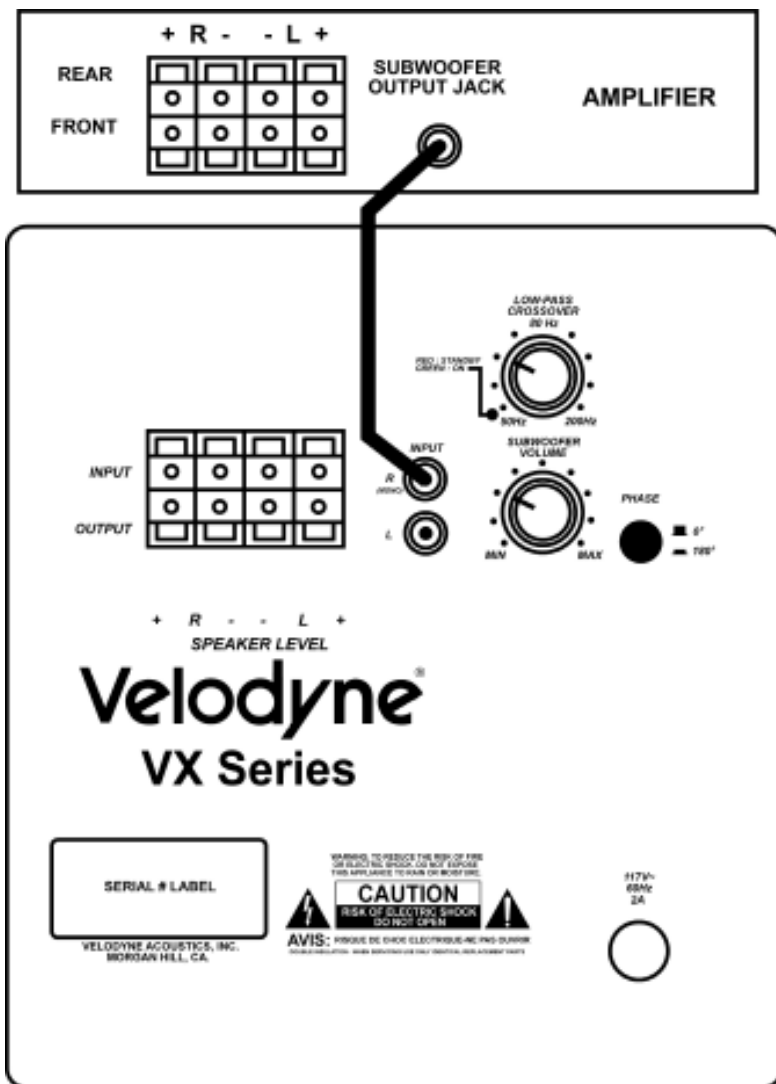
When using speaker level connections, use a decent quality speaker cable that mates well with the connectors. Be very careful to avoid any loose strands or frayed wires which may result in a short, which may damage your equipment. Cables of extremely large size are typically not required. Extremely large gauge wire may not properly fit in the binding posts, resulting in a poor connection and possible short circuits.

Care of Your Subwoofer

Your Velodyne subwoofer does not require any regular maintenance. Normal dusting or cleaning of the surface for appearance purposes are all that is required. We suggest you avoid any harsh detergents or chemicals when cleaning the cabinet. Abrasives, detergents, or cleaning solutions may damage the finish on the cabinet. We recommend using only a damp cloth to clean the cabinet.

During normal conditions, your new subwoofer may be left on continuously without any problems. The unit is equipped with a signal-sensing turn on/off that will automatically turn on the unit when a signal is present at the inputs and turn off the unit after several minutes when there is no longer any signal at the inputs.





SUBWOOFER REAR PANEL

Figure 2a. Line-level subwoofer connection diagram.



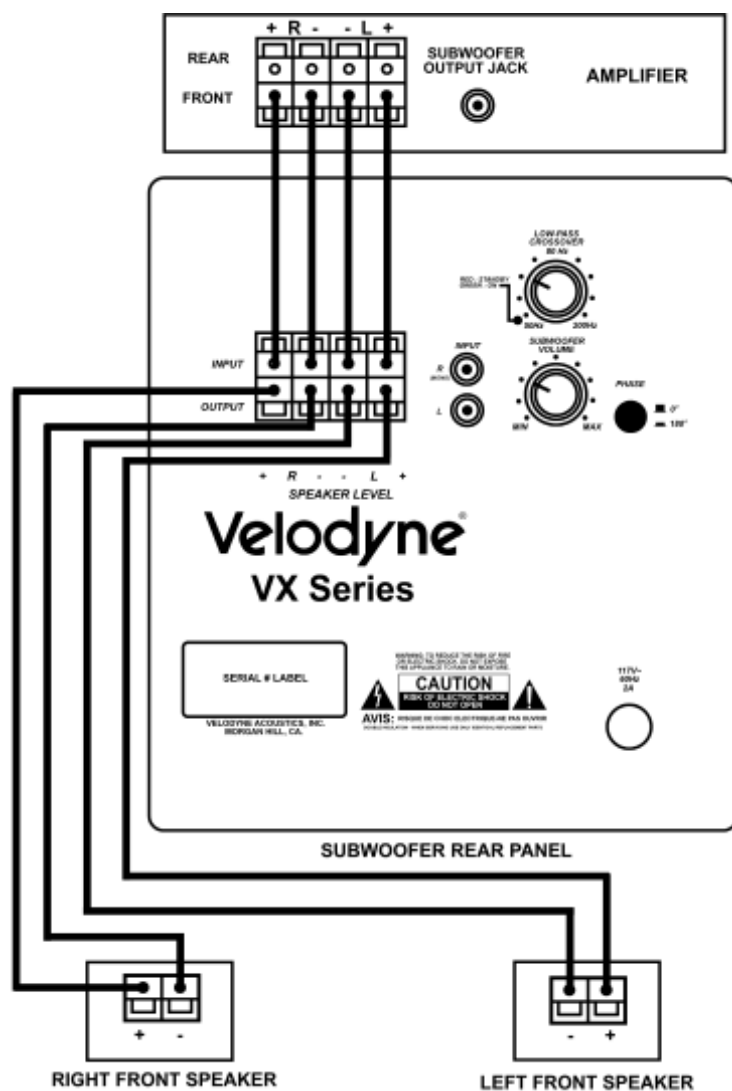


Figure 2b. Speaker-level subwoofer connection diagram.



Protection Circuitry

Your new subwoofer is equipped with circuitry to provide maximum performance with greatest reliability.

The unit is protected against:

- 1) Overheating the amplifier.
- 2) Excessive drop in power line voltage.

If either of the above should happen, you should reduce the volume setting or shut the unit off until normal operating conditions return. You may also want to plug the unit into a different wall outlet, as dropping power line voltage will be most noticeable under strenuous conditions and may result in the unit shutting down intermittently.

Troubleshooting and Service

If you should experience a problem with the operation of your subwoofer, please check all of the following before seeking service. Following is a simple troubleshooting guide to assist you.

1. Verify unit is plugged in, power outlet used is active, and supplying proper voltage.
2. Is power switch on? (230V model)
3. Is unit receiving an input signal from your source?
4. Have all controls on subwoofer (volume, crossover, phase, etc.) been properly set?
5. If unit has been running at high levels for an extended period of time, one of the protection circuits may be engaged.
 - Is the built-in amplifier extremely hot to the touch?
 - Is your power line voltage sagging below acceptable levels?

If the protection circuitry is active, the unit may cycle on and off until operating parameters return to normal. Under more serious conditions, the unit may shut off completely. Normal operation should return upon cooling, but you may be required to turn the power off and then on again to reset the unit.



The following conditions require service by a qualified technician:

1. The power cord has become damaged.
2. The unit does not appear to operate normally or exhibits a marked change in performance.
3. The unit has been exposed to water.
4. Some part of the cabinet or circuitry is physically damaged.

SPECIFICATIONS	VX-10
Cabinet Design	Bass-reflex with built-in power amplifier
Frequency response	36Hz - 120Hz (+/- 3dB)
Crossover frequency	50-200Hz (variable)
Maximum output power	150 Watt (dynamic)
Phase	0° or 180°
Input impedance	1.2K ohm (for SPEAKER LEVEL INPUT terminals) 65K ohm (for LINE INPUT jacks)
Sensitivity Speaker-Level Line	1.6V 230mV
Speaker	10" (8.5" piston diameter)
Power Supply	120V 60Hz AC
Power consumption	75 Watt
Cabinet (H,W,D)	15" x 12" x 17" 381mm x 304.8mm x 431.8mm
Weight (approx.)	35 lbs.

Specifications are subject to change without notice.

***Thank you for purchasing a
Velodyne VX-10 Subwoofer!***



WARRANTY STATEMENT (LIMITED WARRANTY)

VELODYNE ACOUSTICS, Inc. ("VELODYNE") warrants all powered subwoofers for a period of two years, and full range/satellite speakers for a period of five years. All VELODYNE products have a warranty from the date of purchase against defects in materials and workmanship subject to the following conditions:

1. VELODYNE is not responsible for defects which result from the use of an amplifier or controller other than the one originally supplied with the unit (subwoofer) or defects which result from modifications or repairs made by any component of the system by anyone other than a VELODYNE factory authorized service representative.
2. This warranty is void if any repairs or service covered by the terms of this warranty are made to any component of the system by anyone other than a VELODYNE factory authorized service representative..
3. VELODYNE is not responsible for damage caused by accidents, abuse, misuse, natural or personal disaster or unauthorized modification. The VELODYNE products are not intended for professional or commercial use and VELODYNE is not responsible for damage resulting from such use.
4. The VELODYNE product warranty is limited to units that are purchased from authorized VELODYNE dealers and finalized within authorized dealer locations.
5. This warranty is nontransferable under any condition.

TO OBTAIN SERVICE

Information regarding service may be obtained from the dealer from which you purchased the unit, or by contacting VELODYNE customer service. Warranty service must be performed by a VELODYNE factory authorized service representative within the warranty period set forth in the warranty statement. If VELODYNE determines the unit is defective, VELODYNE will, at VELODYNE's option, repair or replace the product at no charge if the product is forwarded prepaid to a factory authorized service representative. Keep original receipt. Products forwarded to the factory authorized service representative should be shipped securely and properly packaged, insured, and freight prepaid. Use of original packaging materials is highly recommended. Online registration is not required to validate warranty, but is recommended. Registration provides us with purchase and dealer information to assist us when validating your warranty for covered repairs.

Serial Number: _____

Register.....ONLINE

It's faster....and easier

Website: www.velodyne.com



Other Velodyne Subwoofer Products:

CHT Series

CHT-8

CHT-10

CHT-12

CHT-15

CHT Front Row System

SPL Series

SPL-800

SPL-1000

SPL-1200

SPL-523 Satellites

Deco System

Deco System

Deco Satellites

HGS Series II

HGS-10

HGS-12

HGS-15 THX Ultra 2

HGS-18 THX Ultra 2



NOTES



NOTES

"It delivered room-shaking bass and dramatically demonstrated the effectiveness of a single subwoofer placed to one side of the room."

- Julian Hirsh
Stereo Review, January 1997

"In general, the Velodyne could play slightly louder, and often cleaner, than the Sunfire."

-D.B. Keele, Jr.
Audio/June 1998

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-Robert Deutsch
Stereophile Guide to Home Theater/September 1998

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