



# NVX

## V-SERIES

**PREMIUM CLASS-D AMPLIFIERS**

VAD10001v2	VAD17001v2	VAD27001v2	VAD11005v2
VAD8402v2	VAD10004v2	VAD22008v2	

**USER MANUAL**

# EXPERIENCE THE NVX DIFFERENCE

Thank you for choosing **NVX VADv2** amplifiers! Your decision to go with NVX VADv2 reflects your passion for high-quality sound in your vehicle. Backed by over four decades of car audio expertise, NVX delivers exceptional performance whether you're an everyday music lover or a serious competitor.

To ensure you get the best experience from your NVX VADv2 amplifier, we highly recommend professional installation by an authorized NVX VADv2 dealer. Proper installation not only ensures optimal performance but may also qualify your amplifier for an extended warranty. Be sure to check with your authorized dealer for details.

Take your audio experience to the next level and drive with confidence—**NVX VADv2 amplifiers are built to perform, no matter where the road takes you.**

## INTRODUCTION

**NVX VADv2** amplifiers are engineered to deliver premium audio performance for both audiophiles and everyday listeners. Each model features fully variable crossovers with **12 dB per octave slopes**, allowing you to fine-tune your sound for optimal speaker performance and personal listening preferences.

Designed for versatility, these amplifiers feature a **conformal-coated circuit board**, making them resistant to moisture, dirt, and harsh environments. Whether you're installing in a **car, truck, boat, UTV, or motorcycle**, **NVX VADv2 amplifiers are built to perform in any condition.**

- **Platinum-Finished Connections** – Provides strong, corrosion-resistant electrical connections for enhanced durability and reliability.
- **Fully Variable Crossovers** – Designed for effortless installation and eliminating the need for external crossovers. These crossovers can be paired with outboard passive or active crossovers based on system complexity. The **12 dB per octave slope** ensures a sharp roll-off above or below your selected frequency for precise audio control.
- **Advanced Protection Circuitry** – Safeguards against **overload, short circuits, thermal issues, and reverse polarity** to prevent amplifier damage and ensure long-term reliability.

# INSTALLATION

For the best performance and reliability, we strongly recommend having your **NVX VADv2 amplifier** installed by an **authorized NVX dealer**. Professional installation ensures proper setup, optimal sound quality, and may qualify your amplifier for an **extended warranty**.

If you choose to install the amplifier yourself, carefully read and follow this manual to avoid potential damage to your **amplifier, vehicle, or electrical system**, which could void your warranty.

**When selecting a mounting location, ensure that it:**

- Provides adequate ventilation to prevent overheating.
- Is secure and protected from moisture, dirt, and excessive vibration.
- Allows easy access for wiring and adjustments.

**Common installation locations include:**

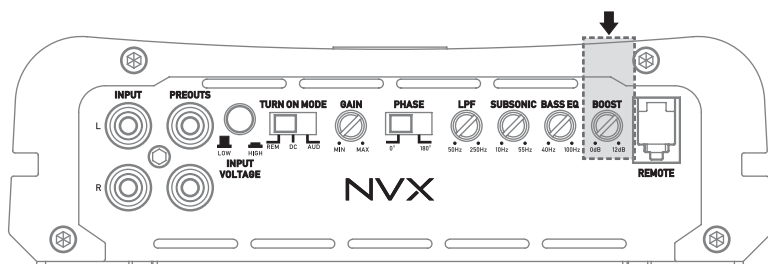
- **Cars & SUVs** – In the hatch, trunk, or under a seat.
- **Pickup Trucks** – Under or behind the seat.
- **Marine & Powersports Vehicles** – In a dry, well-ventilated area, ensuring the amplifier is securely mounted to withstand vibrations and outdoor conditions.

By following these guidelines, you'll get the best performance and longevity from your NVX VADv2 amplifier.

## BASS BOOST

The **VAD10001v2, VAD17001v2, VAD27001v2 and VAD11005v2** amplifiers feature an **adjustable bass boost** to enhance low-frequency output.

- Start adjustments at **low volume** to prevent distortion or damage.
- If no improvement is heard, your subwoofer may not require additional bass boost.
- The **Low Pass Filter (LPF)** must be activated for the **Bass Boost** function to work.



**Use Bass Boost Carefully:**

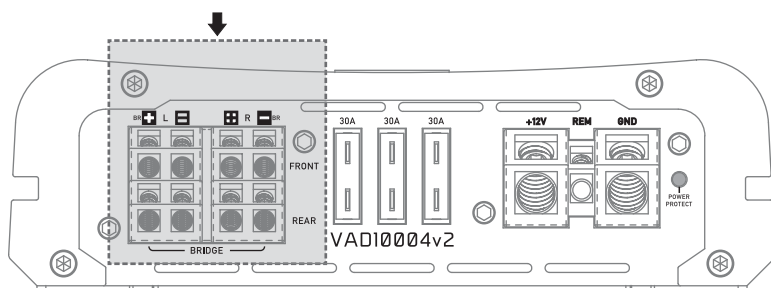
Excessive use of bass boost can place significant demand on your amplifier's power output. To achieve better bass response without overloading your system, consider adjusting your woofer position or enclosure size instead.

# SPEAKER OUTPUTS

This amplifier features a **multi-channel design**, providing multiple speaker output connections for enhanced system flexibility. It is equipped with a **large block-style terminal** for secure and reliable speaker connections.

## Installation Tips:

- **Strip your speaker wire properly** and twist the exposed leads to ensure a clean and secure connection.
- **Carefully insert the wire** into the terminal block, ensuring no loose or frayed strands.
- **Tighten the Allen head screw** securely to hold the wire firmly in place.
- **Prevent short circuits** by making sure speaker wires do not come into contact with each other, as this will trigger the amplifier's protection mode.



## Important:

**Know your total ohm load before making any connections** to ensure proper operation and avoid damage to your amplifier or speakers.

# INSTALLATION INSTRUCTIONS

## Power and Ground Wiring

- **Disconnect the negative battery cable** before beginning the installation. Tape the exposed end to prevent accidental contact.
- **Run the appropriate gauge power wire** from the battery to the amplifier. Plan the routing carefully, as this cable carries high current. An improperly fused or exposed wire could result in a short circuit, causing fire hazards.
- **Install an inline fuse near the battery** using a fuse rated for the total current draw of all connected amplifiers.
  - **Do not install the fuse yet.** Wait until the installation is complete.
  - The fuse should be **within 18 inches (wire length)** of the battery for maximum safety. If it is further away, reconsider your wire and fuse placement.

- **Secure a solid ground connection.** Find a bare metal location on the vehicle chassis, free of paint, dirt, or undercoating. Sand or grind the area to ensure a low-resistance ground connection, then securely fasten the ground wire.
- **Test the ground with an ohmmeter** to verify a proper connection. If your vehicle uses aluminum or other alloys that may not provide the best ground, consult the manufacturer for recommended grounding locations.

## Connecting the Amplifier

- **Run the speaker wires** to their designated locations, leaving some extra length for adjustments before finalizing connections.
- **Connect the speaker wires** to the amplifier, ensuring the amplifier is turned off during this step.
  - **Double-check polarity** (+ to +, - to -) to avoid phase issues.
- **Connect the RCA cables** from the head unit to the amplifier's inputs.
- **Connect the remote turn-on wire** from the head unit to the amplifier.
- **Connect the power and ground wires** to the amplifier.
  - Once this step is complete, you may now **install the fuse at the battery**.
  - **Before proceeding**, test the amplifier to ensure it powers on correctly and does not enter protection mode.
- **Mount the amplifier securely** in your chosen location, ensuring proper ventilation.
- **Verify all amplifier settings** to ensure they are correctly configured for your system before powering on the amplifier.

## FINAL ADJUSTMENTS

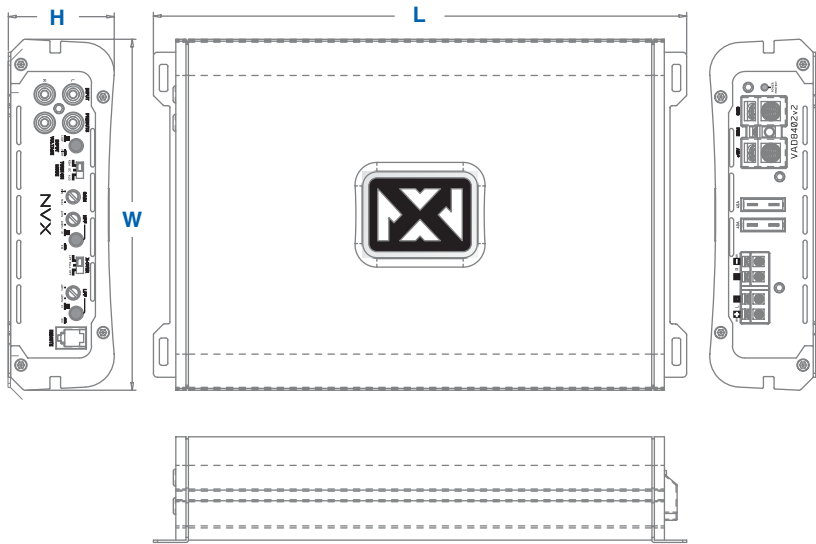
- **Turn on your system for the first time.**
  - Set the amplifier **gain to its lowest setting** initially.
  - Gradually increase the **head unit volume** before adjusting the gain.
- **Fine-tune the amplifier settings** carefully. Adjust only **one setting at a time** and allow time for proper system calibration.
  - Your amplifier draws power from the vehicle battery, so periodically check your battery voltage and recharge if necessary.

# SPECIFICATIONS

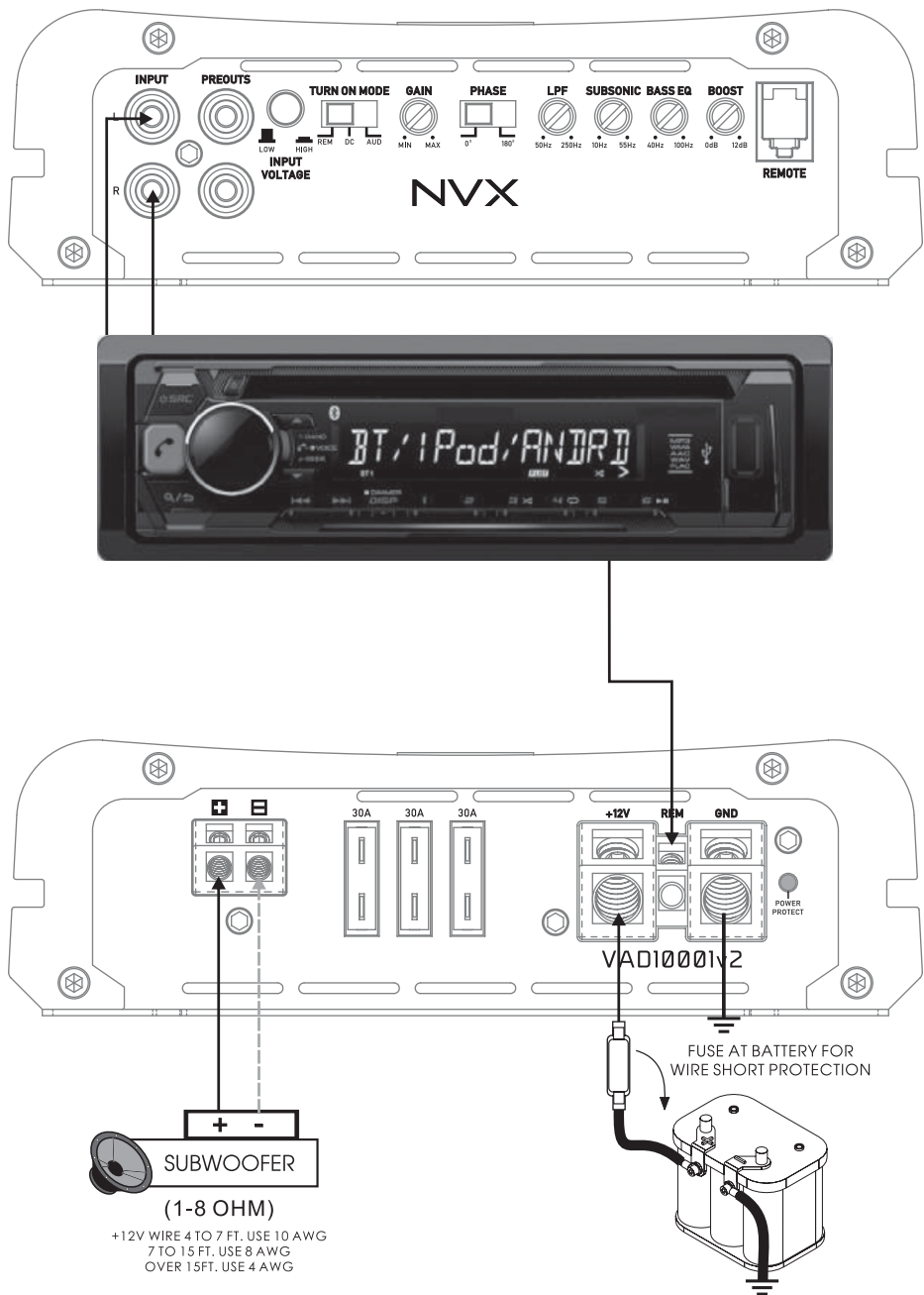
V-SERIESv2	VAD10001v2	VAD17001v2	VAD27001v2	VAD8402v2	VAD10004v2	VAD11005v2	VAD22008v2
Power Output @ 1Ω	1000 W	1700 W	2700 W	—	—	—	—
Power Output @ 2Ω	760 W	1350 W	1950 W	420W x 2CH	250W x 4CH	125W x 4CH+600W	225Wx6CH + 400Wx1CH
Power Output @ 4Ω	420 W	800 W	1250 W	300W x 2CH	150W x 4CH	80W x 4CH+350W	150Wx6CH + 250Wx2CH
Power Output @ 4Ω Bridged	—	—	—	840W x 1CH	500W x 2CH	250W x 2CH (F&R)	450Wx3CH + 850Wx1CH
Total Harmonic Distortion	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%	< 0.3%
S/N Ratio Ref 1 W @ 4Ω	> 85 dB	> 85 dB	> 85 dB	> 85 dB	> 85 dB	> 85 dB	> 85 dB
Gain Range	0.2-18V	0.2-18V	0.2-18V	0.2-18V	0.2-18V	0.2-18V	0.2-18V
Crossover Range	50-250Hz	50-250Hz	50-250Hz	40-500Hz	40-500Hz	40-500Hz (HPF) 50-250Hz (LPF)	40-400Hz
Frequency Range	20-250Hz	20-250Hz	20-250Hz	20-20KHz	20-20KHz	20-20KHz	20-20KHz
Subsonic	10-55Hz	10-55Hz	10-55 Hz	—	—	10-55Hz	—
Bass Boost	0-12 dB	0-12 dB	0-12 dB	0-12 dB	—	0-12 dB	0-12 dB
Bass Remote Control	Yes	Yes	Yes	Yes	Yes	Yes	Yes

# DIMENSIONS

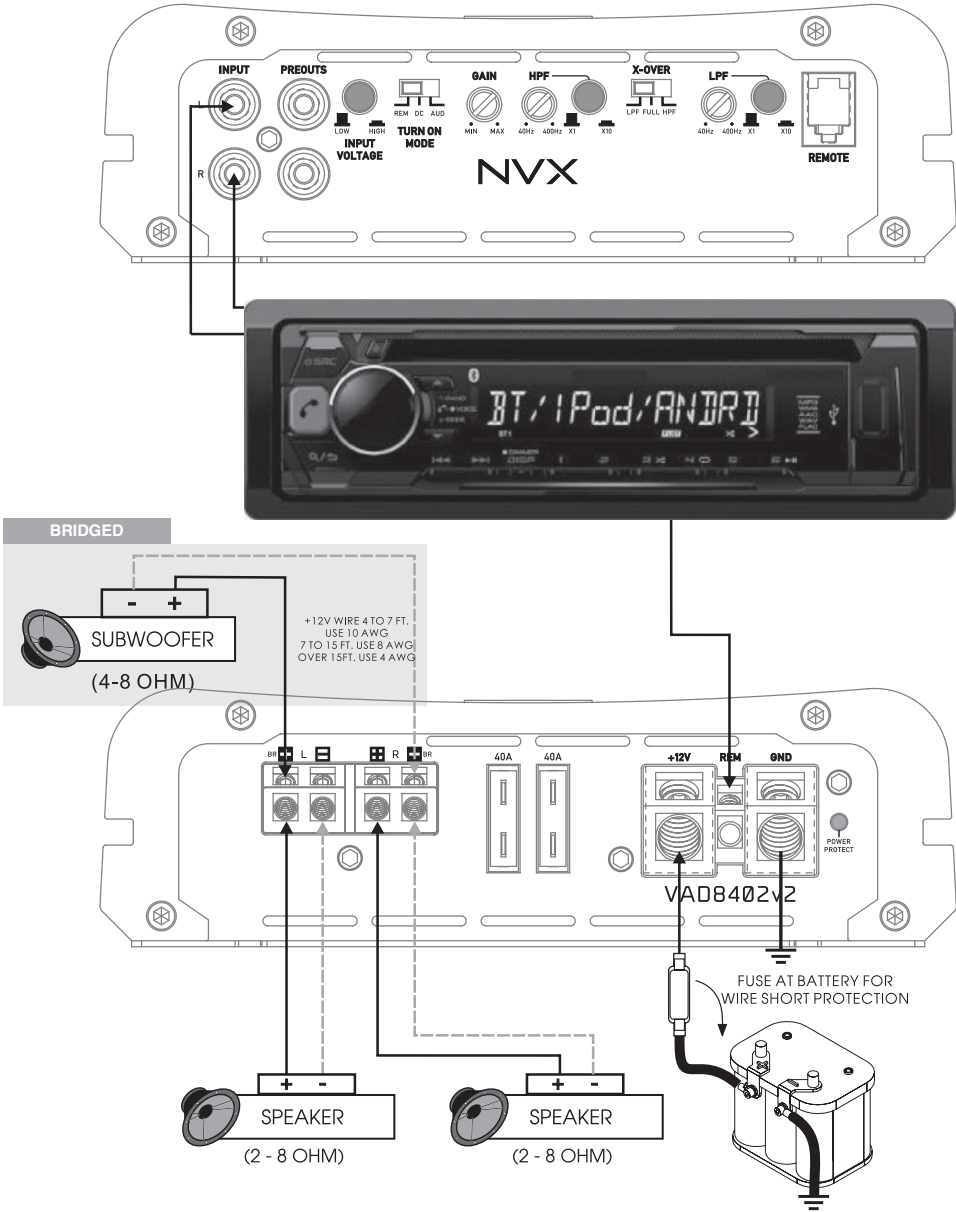
V-SERIESv2	VAD10001v2	VAD17001v2	VAD27001v2	VAD8402v2	VAD10004v2	VAD11005v2	VAD22008v2
Length	7.16 in	10.32 in	12.28 in	10.32 in	12.28 in	13.01 in	15.01 in
Width	6.81 in	6.81 in	6.81 in	6.81 in	6.81 in	6.81 in	6.81 in
Height	2.05 in	2.05 in	2.05 in	2.05 in	2.05 in	2.05 in	2.05 in



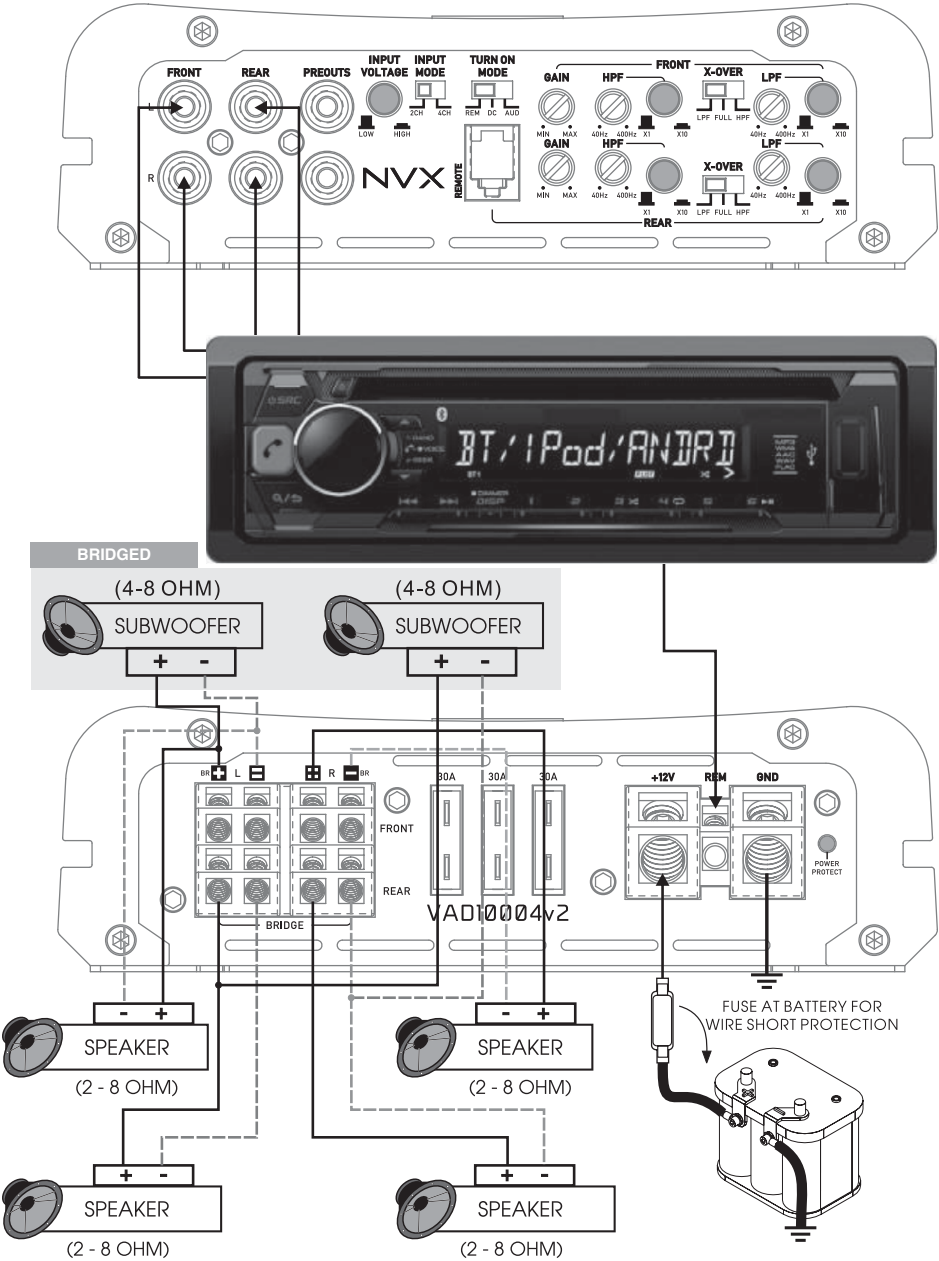
# VAD10001v2 / VAD17001v2 / VAD27001V2



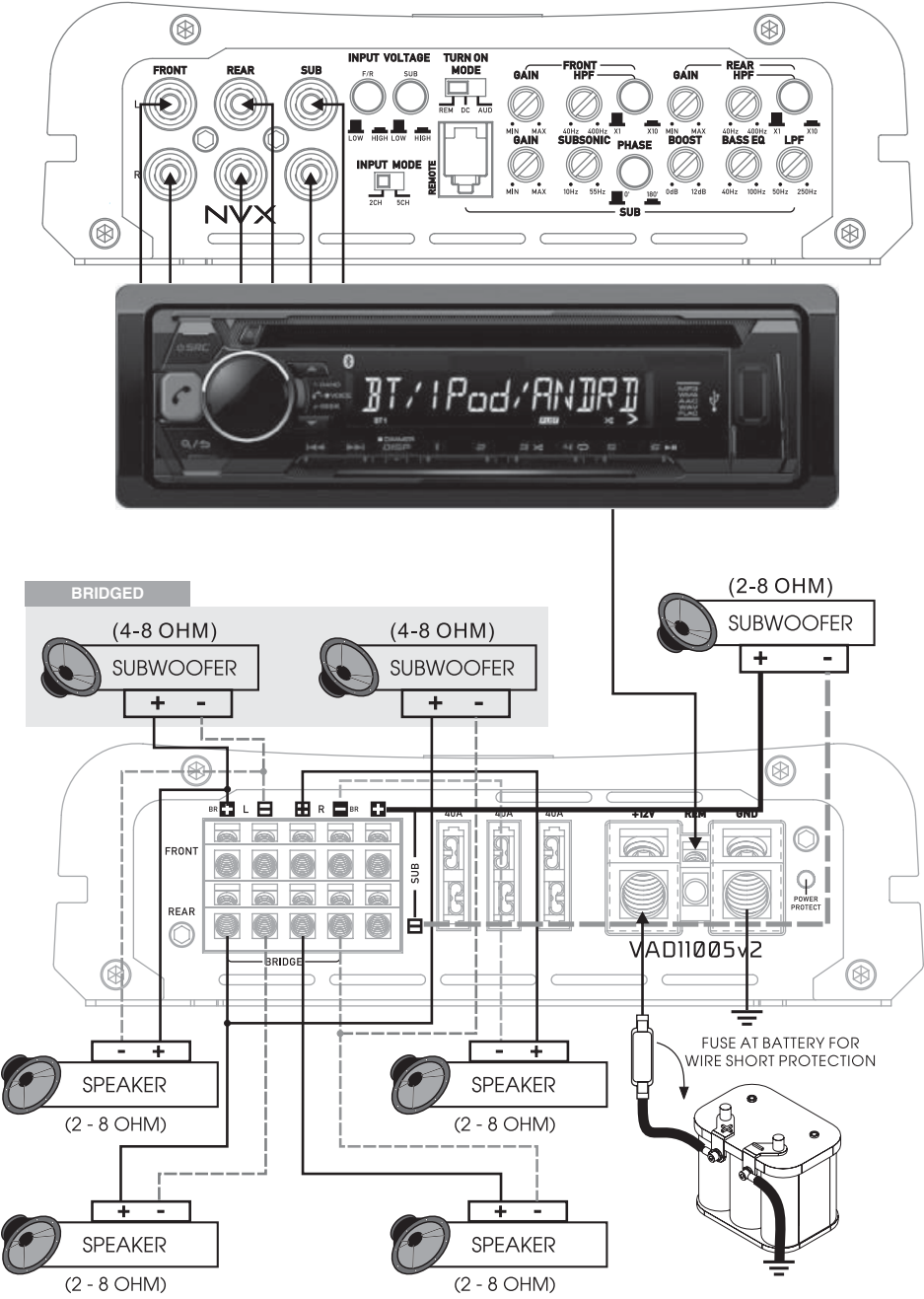
# VAD8402v2



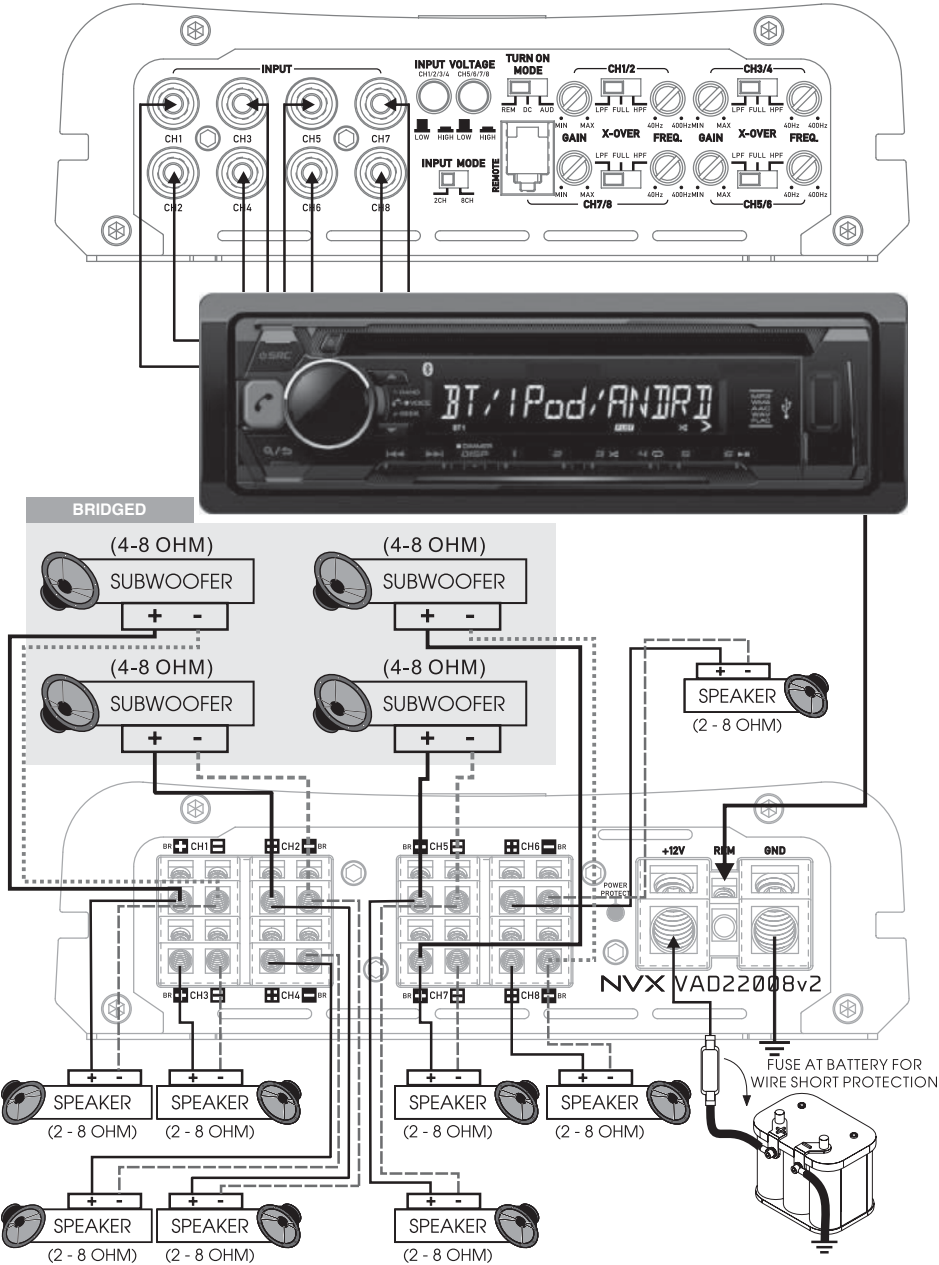
VAD10004v2



VAD11005v2



# VAD22008v2



# 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 its 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, NVX, at its sole option, may replace the unit with a current model of equal or greater value. To obtain a repair or replacement under the terms of this warranty, please return to the dealer first, if possible, and the dealer will direct you accordingly for repairs or replacement. You will be required to submit a copy of the original receipt. Return shipping for exchanges/ replacements is the sole responsibility of the original retail purchaser.

## LIMITATIONS

- This limited warranty does not cover failure of the product resulting from 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 that are 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 excessive power handling, blown 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 LIMITED WARRANTY. NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE LIMITED WARRANTY PERIOD HAS EXPIRED. SOME JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY 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 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.**

## NOTES

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Visit: [nvx.com](http://nvx.com) • Call: 213.444.1689 • 742 S. 11th St., Louisville, KY 40210