



**750 WATT RMS**  
**MONOBLOCK CLASS D**  
**AMPLIFIER**

BDA7501

**USER MANUAL**



## THANK YOU FOR CHOOSING NVX

Thank you for choosing the NVX Boost Series Monoblock Amplifier!

Your choice of an NVX BDA7501 Amplifier indicates a desire for high quality music reproduction in the automobile. NVX Boost Series Amplifiers bring you over four decades of car audio expertise. So whether you are a music loving commuter or a serious car audio competitor, NVX has the product for you!

## SPECIFICATIONS

AMPLIFIER	BDA7501	
RMS Power Output @ 14.4	450 Watts x 1 Channel @ 4 Ohms	
	750 Watts x 1 Channel @ 2 Ohms	
Frequency Response	50-250 HZ	
Input Sensitivity	.25-6.0 V	
Signal-to-Noise Ratio	90 dB	
Variable Low Pass Filter	50-250 Hz	
Subsonic Filter	10-50 Hz	
Bass Boost	0-18 dB	
RMS Power Output	400 Watts x 1 Channel @ 4 Ohms & ≤ 1% THD+N	
Signal-to-Noise Ratio	88 dBA 1 Watt into 4 Ohms	

## FEATURES

- 12 dB per octave slopes allow you to tailor the sound to best fit the subwoofer and your listening preferences
- 18 dB per octave slope offers steep roll-off above or below the selected frequency
- High quality platinum finish connections for solid electrical connections that resist corrosion
- Overload, short circuit, thermal, and reverse polarity circuit protection



## FEATURES CONT.

### LEVEL CONTROL

- **NOT a volume or a power limiting control**
- Makes the amp more sensitive to input from the stereo
- With the gain up the amp will reach full output at a lower volume
- Try to run the gain at the lowest setting possible for your system

### LPF CONTROL

- Removes unwanted frequencies from a subwoofer or amplifier
- Tweeters can easily be destroyed by bass notes, subwoofers won't sound natural if it is playing midrange notes
- Requires careful adjustment to ensure that you are left with no holes in your frequency response range

## INSTALLATION

Professional installation by an authorized NVX dealer is highly recommended! Otherwise, the performance of your new amplifier may not be satisfactory. In the event that you decide to do your own installation, please read and follow this manual carefully. Failure to do so may compromise the integrity of the amplifier, your automobile and potentially void the product warranty.

Amplifiers are generally mounted in the hatch/trunk area of a car or SUV and under or behind the seat of most pickup trucks. Select a location that will provide adequate ventilation for the amplifier. Avoid mounting the amplifier with the fins facing down. The fins should be facing up, either vertically or horizontally. Secure the amplifier with the screws provided.

Before securing the amplifier, inspect the mounting location carefully to ensure that you do not drill into or damage any electrical, hydraulic, fluid, or fuel lines.

***Know your total ohm load before you make any connection***

## INSTALLATION INSTRUCTIONS

1. Before you start, disconnect the negative cable from the car battery. Tape up the end so it is isolated from the battery.
2. Run an appropriate gauge wire from the location of the battery to the amplifier. Do NOT connect the power cable to the battery at this step. Plan this part of the installation carefully. This cable will carry very high current. If it should short to the body and it is not properly fused, it could catch fire.
3. Connect the power wire to the battery using a fuse capable of the total current load of all amplifiers connected. Don't install the fuse yet. Wait until the end. Locate the fuse as close as possible to the battery. If the fuse is further than 18" (wire length) from the battery you should reevaluate the wire and fuse placement.
4. Find the closest clear metal area to the amp for a ground. Sand, grind or scrape all paint and undercoating from the body and screw the ground securely in place.

*It is advisable to test the ground with an ohmmeter between the ground cable and the negative battery cable to ensure a good low resistance connection. Some alloys used in modern cars do not offer the best ground. If you believe this is the case consult with the vehicle manufacturer.*

5. Run the speaker wire to the subwoofer. It is advised that you leave some extra wire at this point. You can remove the excess later.
6. If you haven't already done so, mount the amp now.
7. Connect the power and ground to the amplifier.
8. Connect the remote wire from the head unit to the amplifier. Now is a good time to turn on the amp for the first time. Make sure it turns on properly and does not go into protection mode.

## INSTALLATION CONT.

9. Connect the wires to the amp and subwoofer (make sure the amp is off first). Make sure the polarity (+add-) is correct.
10. Connect the RCA's to the amp.
11. Double check the amplifier controls at this time. Make sure everything is set correctly for your system.
12. Now you're ready to play it for the first time. It is best to leave the gain all the way down at first. Start with the head unit volume low and work your way up.
13. Now you can tune the amp. Take your time and make only one adjustment at a time. It may take some time to get the system fully adjusted. During this time the amp is drawing current from the battery. You should check the battery voltage from time to time and re-charge it if it gets low. That's it. You're done. Now have fun.

# WARRANTY

NVX warrants to the original retail purchaser that this product is to be free from defective materials and workmanship for a period of two (2) years 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 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/repairs is the sole responsibility of the original retail purchaser.

## 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 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 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.**

**WARRANTY CONTINUES ON NEXT PAGE**

## WARRANTY CONT.

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**  
**10645 Freeport Dr.**  
**Louisville, KY 40258-1873**

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.



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Authorized Dealer's Name: _____
Purchase Date: _____
Model Number: _____



Visit: [nvx.com](http://nvx.com) | Call: 213.444.1689 | 15303 Ventura Blvd. 9th Floor, Sherman Oaks, CA 91403