

- IRS Full Class-D Topology Offers Efficiency&Performance
- Designed Specifically for all Powersport, Marine, Motorcycle Applications
- Conformal Coated PCB and IPX67 Waterproof to Withstand Outdoor Elements
- Ultra Mini Size For Easy Installations
- Surface Mount Component Technology

General Features:

- Audio Precision Quality Control Verification
- Stable&Reliable Four Layers PCB Trace Layout
- Power & Protection Led Lights Status Indicator
- Short circuit, thermal and voltage protection
- Top Tune Controls Access
- Multi-Input:Aux In & RCAs

AMPLIFIER OWNER'S MANUAL

Grey

Grey/Black Stripes

All Models Remote Knob Controller

NVX MVPA Powersport Amplifier

AMPLIFIER OWNER'S MANUAL



WHERE YOU HEADED?

Thank you for choosing NVX/MVPA powersport amps! Your choice of NVX/MVPA powersport amps indicates a desire for high quality music reproduction in the automobile.NVX/MVPA powersport amps brings to you over four decades of 12V audio expertise. So whether you are a off-road driving music lover, or a serious 12V

audio competitor, NVX/MVPA powersport amps have the product for you!

To take full advantage of the NVX/MVPA powersport amps gear you have just purchased, please read and follow the instructions in this manual. As with all of our products, professional installation by an authorized NVX/MVPA powersport amps dealer is highly recommended! Otherwise, the performance of your new gear may not be satisfactory. In addition to the installation services and expertise offered by an authorized \overline{NVX} dealer, the warranty of this product may be extended when installed by an authorized **NVX** dealer . Be sure to ask your authorized NVX dealer about whether your product may qualify for an extended warranty You're Headed in the Right Direction with **NVX/MVPA** powersport amps!

INTRODUCTION

The **NVX/MVPA** powersport amplifiers offer high quality audio reproduction for the audiophile and the everyday listener a like. All models feature fully variable crossovers with 12 dB per octave slopes, allowing you the ability to tailor the sound to best fit the speakers and your listening preferences

Directed RCA&Speaker&Power Harness Ensures solid electrical connections that resist corrosion Fully Variable Crossovers Fully variable crossovers promote installation ease and save the cost of outboard crossovers. Additionally, they may be used in conjunction with outboard passive or active crossovers, depending on the complexity required by the system. The 12 dB per octave slope offers steep rolloff above or below the selected frequency.

Protection Circuity Against Overload, Short Circuit, Thermal, Low Voltage, High Voltage, and Reverse Polarity. These Protection features are designed to protect the amplifier from misuse, as well as from common causes of amplifier failure

INSTALLATION

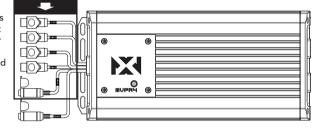
Professional installation by an authorized **NVX** amps dealer is highly recommended! Otherwise, the performance of your new gear may not be satisfactory. In the event that you decide to do your own installation, please read and follow this manual very carefully. Failure to do so may compromise the integrity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

Amplifiers are generally mounted in the hatch/trunk area of a off-road UTV,ATV,Motorcycle,Marine Boat,and Top Roof, Dash board, under or behind the seat of most Vehicles. 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.

Because of the wide range of head unit output configurations all NVX/MVPA powersport amps have an adjustable input sensitivity of "Gain" The gain is not a volume or a power limiting control like a throttle. It makes the amp more sensitive to input from the stereo. with the gain up the amp will reach full output at a lower volume setting on the deck. At higher gain settings the amp also becomes more more sensitive to noise from the car's electrical system. Try to run the gain at the lowest setting possible for you system.

There is no correct gain setting. Because speakers require different power demands to reach the same output, the gains most often need to be used to compensate for these differences. If you . tried to set all the gains at half way you would probably find the system didn't sound very good. Using good judgment and listening carefully to each speaker is still the best way to tune a



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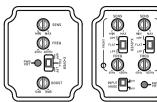
AMPLIFIER OWNER'S MANUAL

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NVX

CROSSOVER CONTROLS

A crossover is a device that removes unwanted frequencies from a speaker or amplifier.A tweeter can easily be destroyed by bass notes if they are not filtered out.Likewise a subwoofer will not sound natural if it is playing midrange notes. A crossover removes these sounds from the speaker. As you might guess, careful adjustment in need to ensure that all the speakers are playing the right sounds and that you are left with no "holes" or low



STAND HIN LLC

BO FLAT

FREQ

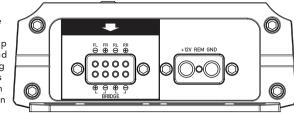
FREQ INPUT HODE HODE PRY INPUT 1204 O-PWR

SPEAKER OUTPUTS

spots in the frequency response.

This amplifier is a multi channel amplifier

design. Meaning it has more than one channel of speaker outputs. It is equipped with a large block style terminal for speaker connection. Make this connection carefully and neatly, strip your wire back and twist the exposed leads and insert them into the block terminal while being careful that there is no loose or frayed strands of wire and tighten the Allen head screw down on the terminal till the wire is tightly secured in



If the wires ever come in contact with each other the amplifier will go into protection. Know your total ohm load before you make any connections.

INSTALLATION INSTRUCTIONS

- Before you start, disconnect the negative cable from the car battery. Tape up the end so it is isolated from the battery.
- Run an appropriate gauge wire from the battery to the amplifier. 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
- 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 that 18 inches(wire length) from the battery you should reevaluate the wire and fuse placement.
- 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.

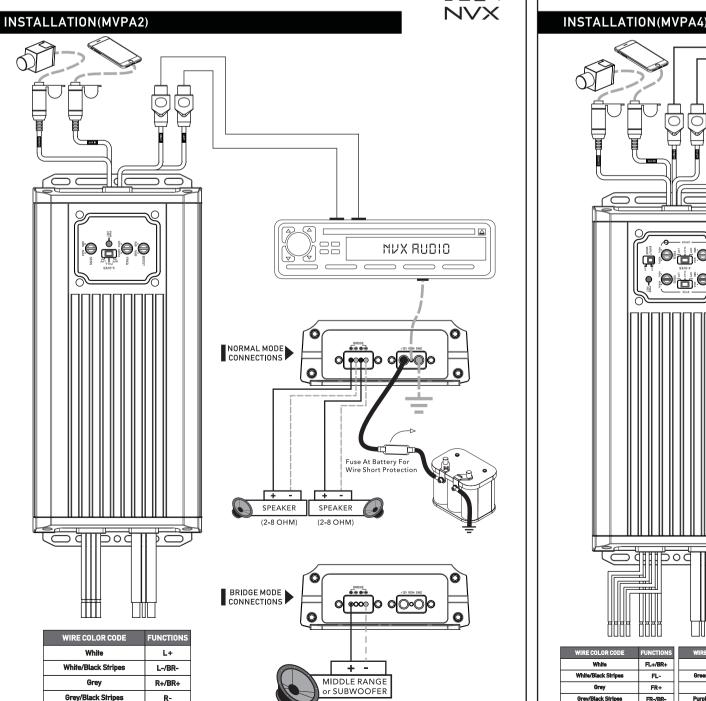
 It is advisable to test the ground with an ohmmeter between the ground cable and the negative battery cable to insure a good low resistance connection. Some alloys used in modern cars do not offer the best ground...If you believe this is the case consult with the vehicle manufacturer.
- Run the speaker wire to the speakers.It is advised that you leave some extra wire at this point. You
- can" clean it up" later. If you haven't already done so, mount the amp now.
 Connect the power and ground to the amplifier.
- Only after this step should you install the fuse at the battery.
- 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
- Connect the speaker wires to the amp and speakers (make sure the amp is off first). Make sure the polarity(+add-)is correct.
- 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.
- 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.
- 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

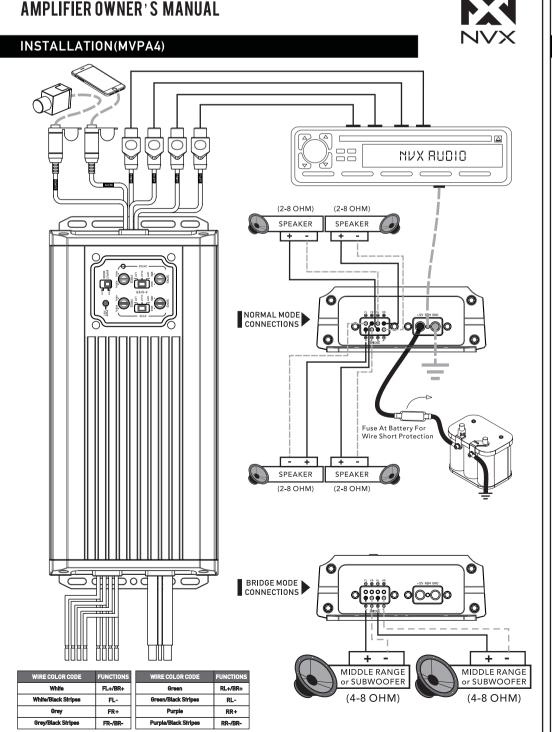
AMPLIFIER OWNER'S MANUAL

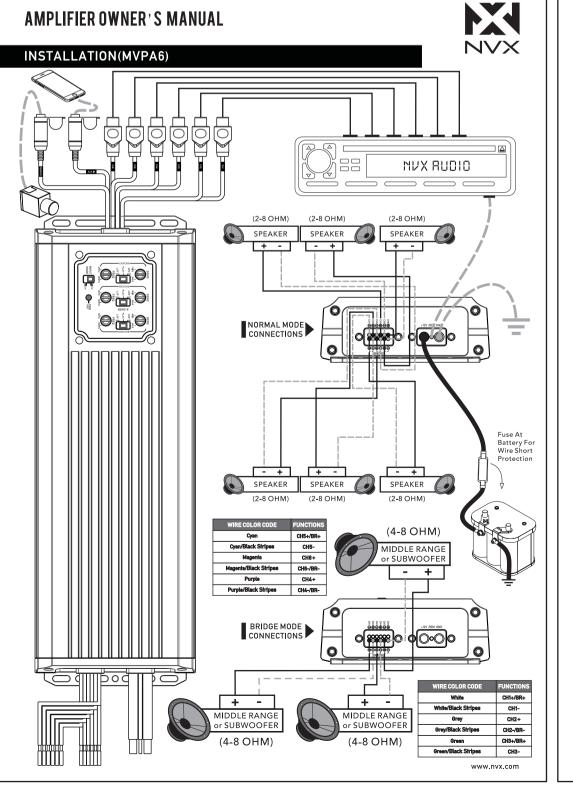
SPECIFICATIONS

MODEL NO.	MVPA2	MVPA4	MVPA6
Circuit Topology	Full Range Class-D	Full Range Class-D	Full Range Class-D
RMS POWER OUTPUT AT 1 Ω	N/A		N/A
RMS POWER OUTPUT AT 2 Ω	300Wx2CH	150Wx4CH	150Wx6CH
RMS POWER OUTPUT AT 4 Ω	200Wx2CH	100Wx4CH	100Wx6CH
RMS POWER OUTPUT AT 4 Ω BRIDGED	600Wx1CH	300Wx2CH	300Wx3CH
TOTAL HARMONIC DISTORTION	<0.3%	<0.3%	<0.3%
S/N RATIO REF 1W AT 4Ω	>90dB	>90dB	>90dB
GAIN RANGE	0.2-10V	0.2-10V	0.3-6V
CROSSOVER RANGE	40-400Hz	40-400Hz	40-400Hz
PER OCTAVE SLOPES	12dB	12dB	12dB
FREQUENCY RANGE	20-20KHz	20-20KHz	20-20KHz
TURN ON MODE	REM	REM	REM
INPUT CONFIG	N/A	2CH/4CH	2CH/6CH
REMOTE CONTROLLER	YES	YES	YES
IP WATERPROOF RATING	IPX67	IPX67	IPX67
AUXIN	YES	YES	YES
APPLICATIONS	UTV/ATV MOTORCYCLE/MARINE	UTV/ATV MOTORCYCLE/MARINE	UTV/ATV MOTORCYCLE/MARINE
DIMENSIONS(MM)	247×112×43 9.7″×4.4″×1.7″	247×112×43 9.7″×4.4″×1.7″	327x112x43 12.9"x4.4"x1.7"

AMPLIFIER OWNER'S MANUAL







CONSUMER LIMITED WARRANTY INFORMATION

NVX offers a limited warranty on this product with the following terms:

Mobile Electronics Limited Warranty

When purchased from an Authorized NVX Dealer, NVX warrants this product to be free from defects in material and workmanship under normal use for a period of ONE (1) YEAR from date of original purchase. If this product is identified as "Refurbished" or "B Goods", the warranty is limited to a period of NINETY (90) DAYS from date of original purchase. In all cases you must have the original receipt. Should service be necessary under this warranty for any reason due to manufacturing defect or malfunction during the warranty period, NVX will repair or replace (at its discretion) the defective merchandise with equivalent merchandise. Warranty replacements may have cosmetic scratches and blemishes. Discontinued products may be replaced with more current equivalent products. This warranty is valid only for the original purchaser and is not extended to owners of the product subsequent to the original purchaser. Any applicable implied warranties are limited in duration to a period of the express warranty as provided herein beginning with the date of the original purchase at retail, and no warranties, whether express or implied, shall apply to this product thereafter. Some states do not allow limitations on implied warranties; therefore these exclusions may not apply to you. This warranty gives you specific legal rights; however you may have other rights that vary from state to state.

What To Do If You Need Warranty Or Service

Defective merchandise 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 www.nvx.com or by contacting

Alternatively, if it becomes necessary for you to return defective merchandise directly to NVX, please contact us online at www.nvx.com/support for a Return Authorization (RMA) number. Be sure to package all defective items in the original container or in a package that will prevent shipping damage and follow the return instructions below.

NVX. 15303 Ventura Blvd., 9th Floor, Sherman Oaks, CA 91403

The RMA number must be clearly marked on the outside of the package. Please return only defective components. The return of functioning items increases your return freight charges. Non-defective items received 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-ofpurchase will be determined from type of sale and the manufacturing date code. Freight must be prepaid; items sent freight collect, or COD, will be refused.

Failure to follow these steps may void your warranty. Any questions can be directed via email to cs@nvx.com or via mail at the address listed above.

What Is Not Covered?

This warranty is valid only if the product is purchased from an Authorized NVX Dealer and used for the purpose for which it was designed. It does not cover:

- Damage due to improper installation and/or subsequent damage to other components
- Damage caused by exposure to moisture, excessive heat, chemical cleaners, and/or UV radiation • Damage through negligence, misuse, accident or abuse.
- Repeated returns for the same damage may be considered abuse Any cost or expense related to the removal or reinstallation of product
- Items previously repaired or modified by any unauthorized repair facility. Return shipping on non-defective items.
- Products with tampered or missing barcode labels Products returned without a Return Merchandise Authorization (RMA) number
- The cost of shipping product to NVX.

• Service or installation performed by anyone other than NVX.

NVX strives to maintain a goal of 1 week service for all acoustics (subwoofers, midrange drivers, tweeters, crossovers, etc) returns. Delays may be incurred if lack of replacement inventory or parts is encountered.

International Warranty

r distributor concerning specific procedures for your country's warranty policies.