



AURA[®]

OWNER'S

MANUAL



VENOM-D1 600

VENOM-D1 600 24V

MONOBLOCK POWER AMPLIFIER

WARNING!

PLEASE READ CAREFULLY BEFORE USING

INTRODUCTION

Congratulations and thank you for purchasing AurA VENOM series amplifiers, the logical choice in mobile audio amplification. Your amplifiers have been designed and engineered with the highest quality components and top of the line workmanship to help you reach the superior sound you are after.

To achieve optimal performance of your system, please take a few moments to read over this Owner's manual or visit authorized dealer if needed before starting your installation.

FEATURES

- ◆STABLE INTO 1 OHM LOAD
- ◆HIGH SPEED MOSFET POWER SUPPLY
- ◆12dB/OCT VARIABLE CROSSOVER
- ◆VARIABLE LOW PASS FILTER
- ◆VARIABLE SUBSONIC FILTER
- ◆0dB / 12dB SELECTABLE BASS BOOST
- ◆REMOTE CONTROL
- ◆COMPACT DESIGN

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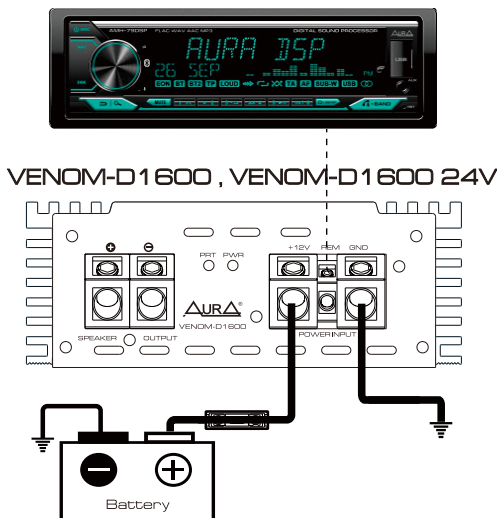
SPECIFICATIONS

Model	VENOM-D1600	VENOM-D1600 24V
RMS power @ 4 ohm	700 W x 1	700 W x 1
RMS power @ 2 ohm	1100 W x 1	1100 W x 1
RMS power @ 1 ohm	1600 W x 1	1600 W x 1
Working impedance	1 ohm stable	1 ohm stable
Input Sensitivity	6 V - 0.2 V	6 V - 0.2 V
Low Pass Filter	40 Hz - 20 KHz	40 Hz - 20 KHz
Subsonic Filter	10 - 55Hz	10 - 55Hz
Bass Boost	0 - 12 dB	0 - 12 dB
Frequency Response	20 Hz - 20 KHz	20 Hz - 20 KHz
Signal to Noise Ratio	>90 dB	>90 dB
THD @ 4ohm	< 0.1%	< 0.1%
Damping Factor	>150	>150
Working voltage	8 V - 16 V	16 V - 31 V
Dimensions Inches (L x W x H) inches	7.8x5.28x2.05	7.8x5.28x2.05

All features are subject to change in the continuing effort to improve the products without notice.



POWER CONNECTION



BATT (VENOM-D1600 - 12V POWER, VENOM-D1600 24V - 24V POWER)

Before mounting amplifiers, disconnect the negative cable from the battery to protect any accidental damage to your amplifiers and audio system.

Connect the power cables to power terminal 12V/24V depending upon model purchased.

All AurA VENOM series amplifiers are not equipped with fuses so that external fuses should be used.

Connect one end of fuse holder to the power cable going into the amplifiers and the other end of fuse holder to positive battery. This fuse location will protect the system and the vehicle against the possibility of a short circuit in the power cable. Be sure to use fuses and fuse holder adequate for the application.

GND (GROUND)

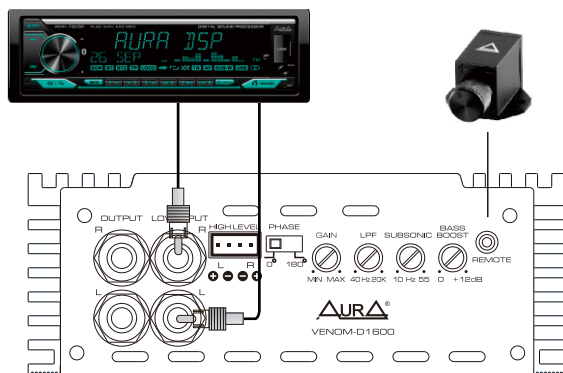
Locate a secure grounding connection as close to amplifier as possible.

Make sure the location is clean and provides a direct electrical connection to the frame of the vehicle. The ground needs to have as low of a resistance as possible. Connect one end of a short piece of the same size cable as the power cable to the grounding point or to one of your batteries or battery bank. Run the other end of the ground cable to the mounting location of the amplifiers for connection to the amplifiers ground terminals and connect the ground cable to the GND (ground terminal).

REM (REMOTE)

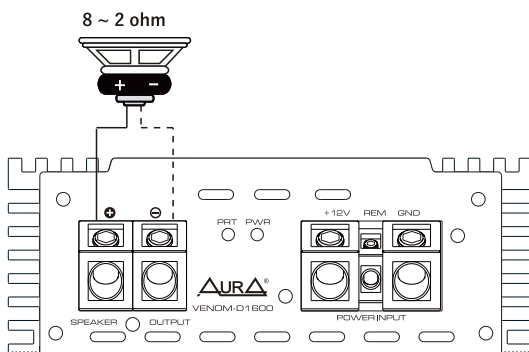
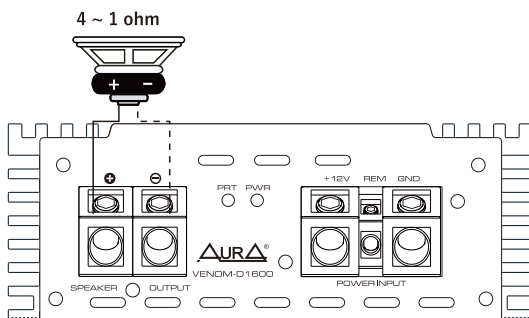
Run a remote turn on cable from the switched 12V/24V source . This may be a toggle switch, a relay, your source unit's remote trigger cables, or power antenna trigger cable. Connect the remote turn on cable to the REM (remote) terminal.

RCA INPUT CONNECTION



SPEAKER CONNECTION

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TROUBLE SHOOTING

- ◆ AurA VENOM series amplifiers have protection features to prevent any damages from misuse or faulty conditions.
- ◆ If VENOM-D series amplifiers sense excessive heat, short circuited speakers DC, or voltage the protection indicator will light, and the system will be turned off.
- ◆ In order to check the problem, you should turn all levels down and all power off and carefully check the installation for wiring mistakes or short.
- ◆ If AurA VENOM series amplifiers shuts down due to excessive heat, they will be working later when it is cooled down.
- ◆ Before removing your amplifier, refer to the list below and follow the suggested procedures.

NO SOUND (NO OUTPUT)

- ◆ Please check all connections, cables' routing, short & voltage.
- ◆ Please check the fuses. If they are blown, please replace with new one.
- ◆ Please check whether speakers work well, you can test speakers by connecting to another amplifier

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DISTORTION & NOISE

- ◆ Readjust input level and check the speaker quality at another amplifier. Replace poor quality speakers with good quality ones.
- ◆ Check amplifiers and headunit's ground contact. All grounds should be common.
- ◆ Check RCA cable, then replace with new one or reroute RCA cable.
- ◆ Engine noise is caused by poor grounding of amplifiers, headunit, other components, battery or alternator, so please check all grounding connection.

POOR BASS RESPONSE

- ◆ Please check speaker cables and reverse polarity.

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WEEE Directive 2012/19/EU on waste electrical and electronic equipment
Waste electrical equipment should not be disposed of with other household waste. Please
recycle it. For more information, please contact your local authority.

www.aurael.ru



В связи с непрерывной доработкой и улучшением продукта все технические характеристики могут
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