



Features

- High-Power Class D Amplifier
- High-Current Design
- 1 x 1000 Watts @ 4 ohms
- 1 x 2000 Watts @ 2 ohms
- 1 x 4000 Watts @ 1 ohm
- Smart Auto-Reset Protection Circuit
- 12 dB/octave Linkwitz-Riley Variable LP Filter
- 12 dB/octave Variable Subsonic Filter
- Solid Power/Speaker Terminals with Hex Screws
- Technically classified as a natural disaster.

EPIC 4000

MONOBLOCK AMPLIFIER

Warning

- **Two 0-gauge power wires and two 0-gauge ground wires are required for this amplifier to function.** This amp is living the high-current lifestyle!
- **Each 0-gauge power wire must have a 200-amp fuse installed within 12 inches of its connection to the battery.** This amp likes its fuse like it likes its bass: close and reliable.
- **Use only high-quality 0-gauge OFC (oxygen-free copper) wire for all power and ground connections.** Keep your power clean and your bass mean!
- **Do NOT mount the amplifier to subwoofer enclosures.** These two like their personal space.

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as mufflers, silencers, exhaust pipes, or other apparatus (including amplifiers) that produce heat.
9. **WARNING:** Improper installation may lead to permanent injury or death. Installation of the apparatus must be done with great care by qualified personnel, to prevent damage to fuel lines, power and other electrical wiring, hydraulic brake lines, and other systems, that might compromise vehicle safety.
10. Provide +12 V and Ground wiring of sufficient size to ensure adequate current to the amplifier.
11. Use rubber grommets to protect wiring whenever passing wires through metal openings or bulkheads.
12. Only use attachments/accessories specified by the manufacturer.
13. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the power input terminals are damaged or objects have fallen into the apparatus, does not operate normally, or has been dropped.

14. Fuses shall be replaced only with the correct type and fuse value, and only when the apparatus is powered off.
15. Exposure to high sound pressure levels may lead to permanent hearing loss. Take every precaution to protect your hearing.



The lightning flash with arrowhead symbol within an equilateral triangle 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 within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

Caution: to reduce the risk of electric shock, do not disassemble the apparatus. There are no user-serviceable parts inside. Refer servicing to qualified personnel.



Recycling notice: If the time comes and this apparatus has fulfilled its destiny, do not throw it out into the trash. It has to be carefully recycled for the good of mankind, by a facility specially equipped for the safe recycling of electronic apparatus. Please contact your local or state recycling leaders for assistance in locating a suitable nearby recycling facility. Or, contact us and we might be able to repair it for you.



Power Requirements

The **EPIC4000** is an extremely powerful amplifier and demands a high-performance vehicle electrical system for safe and reliable operation.

Voltage Requirements – To deliver its rated power (or more), the EPIC4000 requires a stable electrical supply between **13 and 16 volts**. Operating the amplifier **above 15 volts**, especially during loud musical peaks, can activate its built-in protection circuitry.

If this occurs, **lower the amplifier's gain setting** to prevent shutdown or damage. Even with reduced gain, the amplifier can still exceed its rated output when supplied with 15+ volts.

Electrical System Demands – A strong and stable electrical system is critical to maximizing both performance and lifespan. Poor connections and inadequate wiring create resistance, increase current draw, lower voltage, and place unnecessary stress on the amplifier.

Important: Skipping these upgrades can result in voltage drops, amplifier clipping, premature shutdown, or permanent damage. These requirements are not just suggestions — they are **critical for the safe and effective operation** of the EPIC4000.

To ensure consistent and reliable operation, your vehicle's electrical system **must meet the following minimum specifications:**

Minimum Electrical System Requirements

- > **High-Output Alternator**
A **200-amp alternator** (at idle) is required to maintain voltage under load
- > **Big 3 Wiring Upgrade** (0-gauge wire recommended):
 - Battery negative terminal — Vehicle chassis
 - Engine block — Vehicle chassis
 - Alternator output — Battery positive terminal
- > **Auxiliary Battery**
Install an **additional battery** near the amplifier. Recommended specs:
 - **90 Ah capacity** or higher
 - **1000 CCA** (Cold Cranking Amps) or higher
- > **Wiring to Auxiliary Battery**
 - Use **dual 0-gauge oxygen-free copper (OFC)** power and ground cables
 - Run cables directly from the main battery to the auxiliary battery.
- > **Fusing**
 - Install **two 200-amp fuses**, one on each power wire
 - Fuses should be placed **within 12 inches of the battery terminals**.

Quick Start

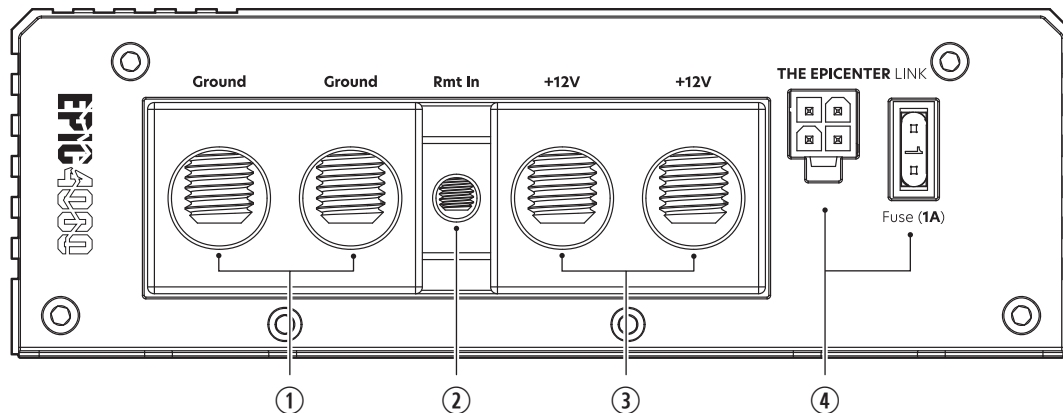
Here are a few general steps to get your EPIC4000 monoblock amplifier up and running:

1. Undo the +12 V and Ground connections to the vehicle battery before making any connections to the amplifier.
2. Pick a mounting location that will provide access to the controls and connections, provide plenty of good ventilation, and protect the amplifier from heat, moisture, and dirt. Make sure the heat sink fins are not covered.
3. The EPIC4000 amplifier needs to be securely mounted using the four mounting holes located in each corner.
4.  Before drilling any holes, take every precaution to prevent any damage to fuel lines, power and other electrical wiring, hydraulic brake lines, and other systems that might compromise vehicle safety.
5. When making connections, designate red RCA plugs as right, and designate white, black, or gray plugs as left. This is a good idea for consistency.
6. Use quality interconnect cables.
7.  Always connect the Ground terminal first before connecting the 12V power wire to the amp. **NEVER REMOVE THE GROUND WIRE** from the amp while the 12V wire is connected. Not following these instructions could result in damaging the amp and this would not be covered under warranty.

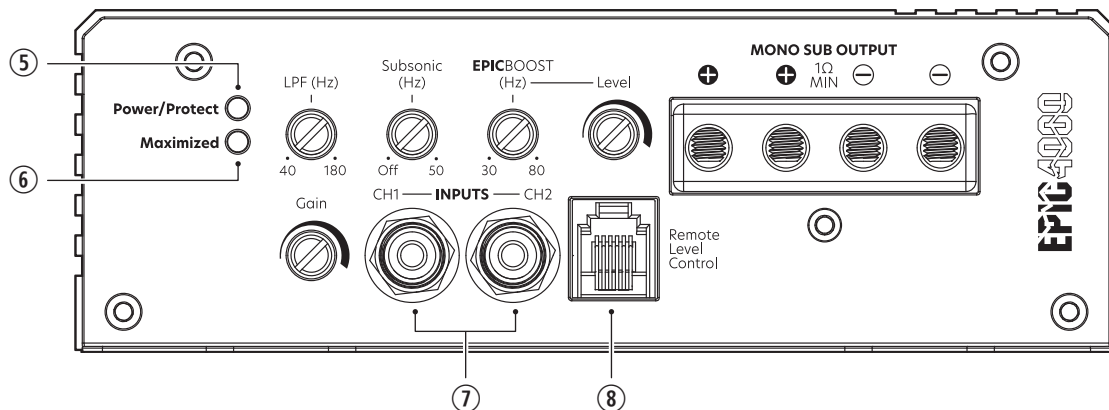
8. Connect the Ground terminal of the amplifier to a clean, solid ground in the vehicle, i.e. sheet metal. Use the shortest length possible of quality insulated wire of the recommended wire gauge (see specifications). Grind away any paint or coatings to ensure a clean, metal to metal contact. Use a sheet metal screw with a serrated flange, or a bolt and star washer.
9. Connect the +12 V terminal of the amplifier to the +12 V terminal of the vehicle battery. Use the same gauge wire used for the Ground wire.
 This wire must be fused close to the battery with an in-line fuse. See specifications for the recommended fuse rating.
10. Connect the remote power terminal of the amplifier to the remote turn-on output of your source unit.
11. Connect your source or line output converter (LOC) outputs to the amplifier.
12. Connect the ACR-E remote level control (included) to the Remote jack. Install the ACR-E in a location within easy reach so it can be safely adjusted.
13. Connect your loudspeakers (minimum impedance of 1 ohm minimum).
14. Set the crossovers to the frequency recommended by the loudspeaker manufacturer.
15. When all connections are made, reconnect the vehicle battery.
16. Adjust your gain settings to maximize your signal level.
17. Enjoy the drive!

This page is just here so the amplifier could flex harder on the next one.

Connections & Control Panel Features



- 1. Ground Terminal** – These screw terminals connect to a clean, solid ground in the vehicle. Use the shortest length possible of quality insulated wire of the recommended wire gauge (see specifications).
- 2. Remote Power Input Wire** – This wire connects to the 12 V remote trigger output of some head units and controls the on/off state of the amplifier.
- 3. Power Input Terminal +12 V** – These screw terminals connect to the +12 V binding post of the vehicle battery. Use quality insulated wire of the same gauge used for the Ground connection.
- 4. THE EPICENTER® Link** – This port with built-in fuse protection connects directly to The EPICENTER® Digital Bass Restoration Processor (sold separately) using the included one meter harness, providing +12 V power, ground, and remote.



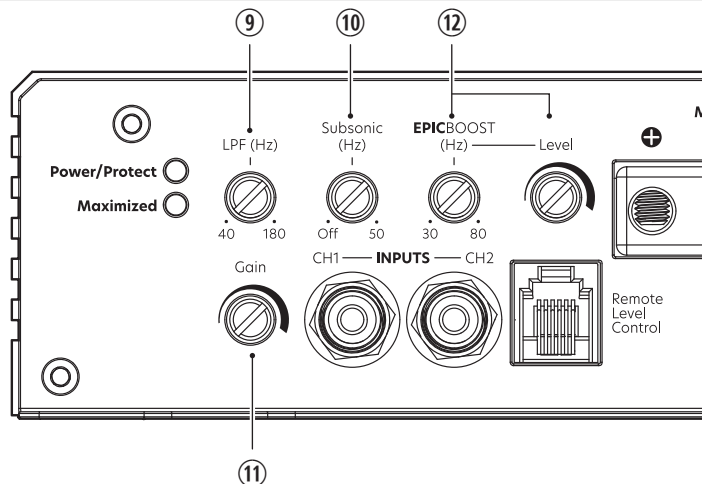
5. **Power/Protect LED** – When the unit has been powered on, this LED will glow a soothing **blue**, a color rarely seen in our Northwest skies. If this LED illuminates **red**, the amp is not blushing; this signifies the amp is in protection mode and something is wrong. EPIC Series amplifiers feature a **Smart Auto-Reset Protection** circuit. If cycling the power to the amplifier does not take the amp out of protection, try disconnecting the speaker wires and cycle power. If the amp is no longer in protection, check the speakers and wires for shorting. If the LED stays on with the speaker wires disconnected then contact AudioControl technical support for further instruction.
6. **Maximized LED** – This LED indicates when the amplifier inputs have been optimized for maximum performance. This LED should illuminate momentarily during brief bursts of music play back at max volume. In most scenarios, it should not be constantly illuminated for long periods of time.
7. **RCA Inputs** – Connect the line level outputs from your source or line output converter (LOC) to these inputs.
8. **Remote Level Control** – Connect the included ACR-E remote level control and cable here.

9. Low Pass Filter – A low pass filter allows you to match a speaker to the frequency range it is designed to handle. Choosing the low pass frequency recommended by the speaker manufacturer will provide increased speaker reliability and optimum sound quality. EPIC Series amplifiers have a 12 dB per octave active low pass filter with variable frequencies from 40 Hz to 180 Hz. The amplifier will output the frequency range below the selected low pass filter frequency. 80 Hz works well as a starting point for most systems.

10. Subsonic Filter – The subsonic filter is a high pass filter designed to conserve amplifier power and protect subwoofers from extremely low frequencies. EPIC Series amplifiers have a subsonic filter with variable cutoff frequencies ranging from OFF to 50 Hz. The subsonic filter is highly recommended for vented subwoofer enclosures with a recommended setting of 1/2 octave below the enclosure tuning frequency.

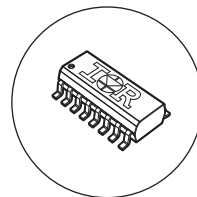
11. Gain Control – Use this dial to match the source unit's output voltage with the inputs of amplifier. Remember, this is NOT a volume knob. With the source unit set to 75%, adjust this knob to the point where the Maximized light shines briefly. This will be your optimal gain setting.

12. EPICBoost (Hz) – EPICBoost is a variable frequency (30 to 80 Hz) bass equalizer with a boost range of 0 dB to +12 dB.



Smart Auto-Reset Protection – EPIC Series amplifiers feature a robust protection circuit to protect the amps from low/high voltage, unexpected short-circuits, or other potential electrical or thermal hazards. The Smart Auto-Reset Protection circuit offers the following protection:

Output Over-current Protection (OCP)
 Input Over-voltage Protection (OVP)
 Input Under-voltage Protection (UVP)
 Output DC-offset Protection (DCP)
 Over-Temperature Protection (OTP)



ACR-E Remote Level Control

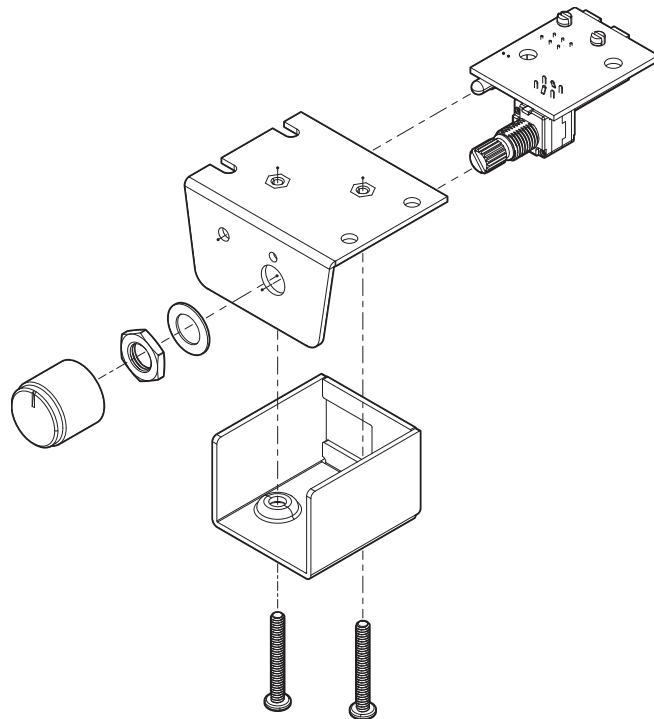
ACR-E Remote (included) – The ACR-E remote level control allows you to control the volume of the EPIC Series monoblock amplifiers from the front of the vehicle. The remote acts as an attenuator, meaning when it is fully clockwise there is no change to the volume (as if there is no remote connected). Turning the knob counter-clockwise decreases the volume.

Installation – The ACR-E may be mounted under the dash using its own enclosure, or through a custom hole in the dash. The level control knob should be within reach of the driver, and in a spot where the LED is plainly visible. Ensure the amplifier is powered off when connecting the ACR-E.

Dash Bracket Installation – The ACR-E mounts with four screws, which attach to the underside of the dashboard. Slide under the dash and place the dash control in its mounting position, mark the mounting holes, drill pilot holes, and secure with four screws.

Custom Installation – ACR-E can be flush mounted directly on the dash/console panel (or anywhere else). Referencing the drawing right, disassemble the ACR-E. Drill a 9/32" (7 mm) hole in the panel for the control along with a 3/32" (2.3 mm) hole for the lock tab and a 1/8" (3 mm) hole for the LED. Reassemble the ACR-E components on the dashboard or console.

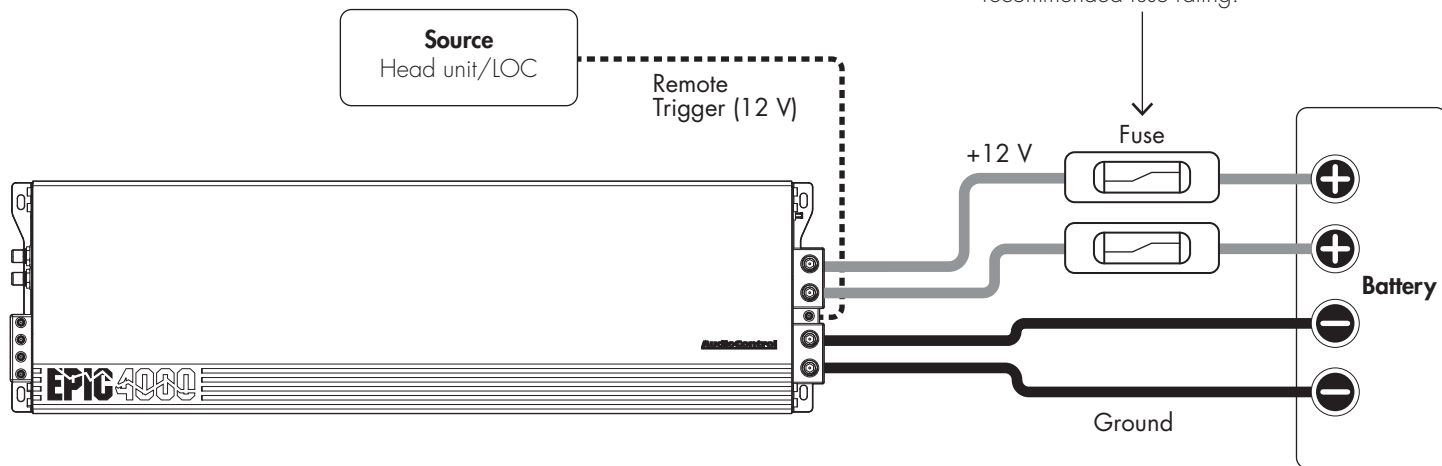
 **Important** – AudioControl's ACR-1 remote is NOT compatible with EPIC Series amplifiers.



Power Connections

In this example, the source has a +12 V trigger output that is connected to the EPIC4000 remote input terminal. When the head unit is turned on, it will turn on the amplifier.

Use the recommended gauge insulated wire for the +12 V and Ground connections. An external fuse must be installed on the positive (+) wire. See specifications for the recommended fuse rating.



⚠ Caution

An external fuse must be added to the Positive (+) wire within 12 inches of the battery.

See **Specifications** for the recommended fuse rating.

Fuse

+12 V

Battery

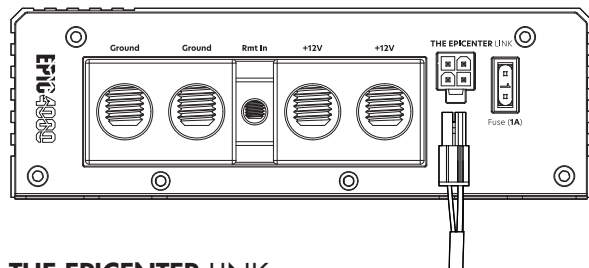
Ground

Built for THE EPICENTER®

EPIC Series amplifiers are designed for maximum, clean power output. When combined with AudioControl's original and best-selling digital bass restoration processor **THE EPICENTER®** or **THE EPICENTER MICRO**, the resulting bass will be... EPIC!

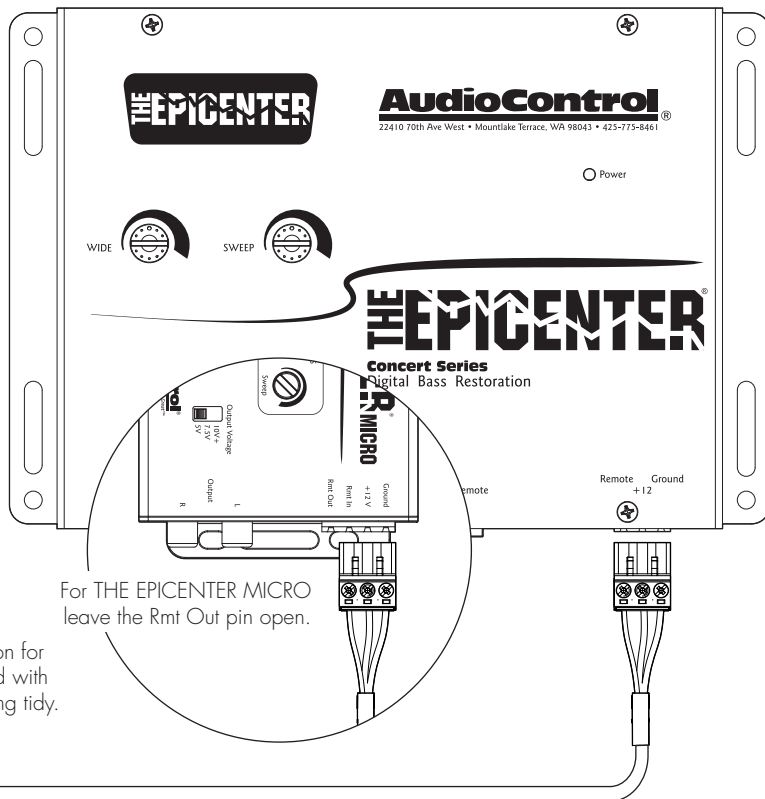
Keep your wiring tidy with **THE EPICENTER LINK** and supplied harness to provide power, ground, and remote signal to **THE EPICENTER®**.

THE EPICENTER® or THE EPICENTER® MICRO are not included.



THE EPICENTER LINK

EPIC Series monoblock amplifiers provide power, ground, and remote turn on for **THE EPICENTER** or **THE EPICENTER MICRO**. A one meter harness is included with your amp to make this simple plug and play connection and keep your wiring tidy.



EPIC4000 Specifications

All specifications are measured at 14.4 VDC (standard automotive voltage). As technology advances, AudioControl reserves the right to continuously change our specifications, like our Pacific Northwest weather, although we are working on changing that as well.

Amplifier Topology	Class D
Power Output RMS (14.4V, <1% THD)	1000 Watts @ 4 ohms
.....	2000 Watts @ 2 ohms
.....	4000 Watts @ 1 ohm
Frequency Response (+/- 1 dB)	10 Hz - 190 Hz
S/N Ratio	104.8 dBa, Ref 1000 Watts @ 4 ohms
Power / Ground Wire Gauge	0 AWG
Speaker Terminal Wire Gauge	8 AWG
Recommended Fuse Rating	200 Amp x 2 / 400 Amps x 1
Low Pass Filter	12dB/octave Linkwitz-Riley, 40 Hz to 180 Hz
Subsonic Filter	12 dB/octave Linkwitz-Riley, Off to 50 Hz
EPIC Boost	30 to 80 Hz, Gain: 0 to 12 dB
Line-level Inputs	0.5 to 12 VRMS
Chassis Dimensions (LxWxH)	.21 in x 6.1 in x 2.04 in
.....	533 mm x 155 mm x 52 mm
.....	Dimensions do not include connectors

What's in the box: EPIC4000 monoblock amplifier, wrench, screws, ACR-E remote level control and cable, THE EPICENTER LINK (1 meter harness), manual

Warranty

A Few Words About Warranties

People are scared of warranties. Lots of fine print. Months of waiting around. Well, fear no more—this warranty is designed to make you rave about us to your friends. It's a warranty that looks out for you and helps you resist the temptation to have your friend, "...who's good with electronics," try to repair your AudioControl product. So go ahead, read this warranty, then take a few days to enjoy your new AudioControl processor before registering at <http://audiocontrol.com/product-registration/>.

"Conditional" doesn't mean anything ominous. The Federal Trade Commission tells all manufacturers to use the term to indicate that certain conditions have to be met before they'll honor the warranty. If you meet all of these conditions, we will warranty all materials and workmanship on your AudioControl product for one year from the date you bought it from a Factory Direct authorized AudioControl retailer (five years if it is installed by a Factory Direct authorized AudioControl retailer). We will fix or replace it, at our option, during that time.

Products purchased from unauthorized resellers (including third-party sellers on marketplaces such as Amazon, eBay, or Best Buy) are not covered under AudioControl's warranty. To ensure full warranty coverage, products must be purchased directly from AudioControl/Stinger or from an authorized dealer.

EPIC Series Amplifiers Warranty

One (1) year from the original date of purchase

*Note: AudioControl/Stinger reserves the right to repair or replace returned items in lieu of credit.

Conditional Conditions

Here Are The Conditional Conditions

1. You have to go online and register your AudioControl products.
2. You must keep your sales receipt for proof of purchase showing when and from whom the unit was bought. We're not the only ones who require this, so it's a good habit to get into with any major purchase.
3. Your AudioControl products must have originally been purchased from a Factory Direct authorized AudioControl retailer. You do not have to be the original owner, but you do need a copy of the original sales slip.
4. You cannot let anybody who isn't: **(A)** the AudioControl factory; **(B)** somebody authorized in writing by AudioControl to service your product. If anyone other than **(A)** or **(B)** messes with your AudioControl product, that voids your warranty.
5. The warranty is also void if the serial number is altered or removed, or if your AudioControl component has been used improperly. Now that sounds like a big loophole, but here is all we mean by it. Unwarranted abuse is:
(A) physical damage (don't use it to level your RV);
(B) improper connections (120 volts AC into a 12 volt DC power jack can fry the poor thing);
(C) sadistic things (your imagination is best kept private)... This is the best product we know how to build, but if you mount it to the front bumper of your car or use it as a counter-weight for your daughter's trebuchet project, something will go wrong.
6. Assuming you conform to 1 through 5, and it really isn't all that hard to do, we get the option of fixing your old unit or replacing it with a new one. To initiate a warranty claim, please contact AudioControl and we will issue an RA (Return Authorization) number and provide shipping instructions. Products received at AudioControl without an RA number will be refused.

Legalese Section

This is the only warranty given by AudioControl. This warranty gives you specific legal rights that vary from state to state. Promises of how well your AudioControl component will perform are not implied by this warranty. Other than what we have covered in this warranty, we have no obligation, express or implied. Also, we will not be obligated for direct or indirect consequential damage to your system caused by hooking up your AudioControl component.

See ya!

