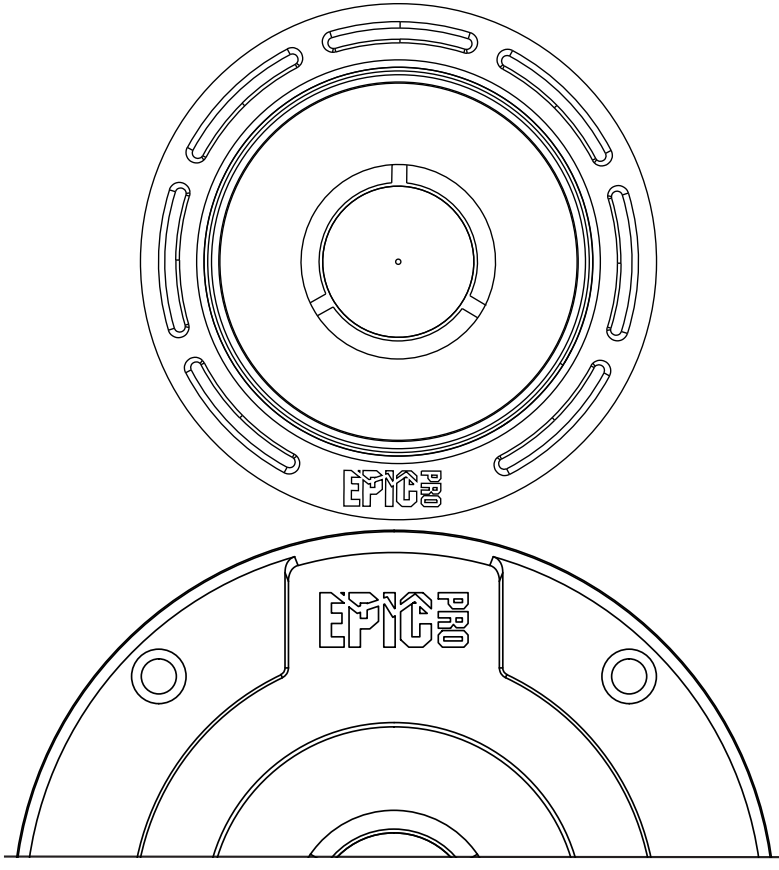


AudioControl®

Making Good Sound Great™

FEATURES

- Precision-designed front horn for widened bandwidth
- Lightweight titanium diaphragm for high SPL
- OFC voice coil for high power handling
- Powerful neodymium motor structure
- Bullet phase plug improves off-axis clarity
- Front and rear installation methods
- Dual mounting rings
- Crossover included
- May improve your mood, but not your driving

EPIC PRO

PRO AUDIO TWEETERS/EPICPRO3SBT

User Guide

Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not submerge this apparatus in water.
6. Clean only with a dry cloth.
7. **WARNING:** The speakers must be properly secured in the vehicle. Improper installation may lead to permanent injury or death. Installation of the speakers 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.
8. Use speaker wire of sufficient size to ensure adequate current to the speaker. For EPIC Series Tweeters, we recommend 16–18 gauge wire.
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as the speaker input terminals are damaged, objects have fallen into the apparatus, does not operate normally, or has been dropped.
10. Exposure to high sound pressure levels may lead to permanent hearing loss. Take every precaution to protect your hearing.



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.



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 apparatii. 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.

CE UK CA

Speaker Talk

Thank you for purchasing this pair of outrageous EPIC super bullet tweeters. Be warned: these are seriously loud!.

If you did not attend auto-shop in school or are having trouble plugging in power tools, your best bet is to seek out a qualified AudioControl dealer-They have the skills, experience, and specialized tools to get your vehicle sounding like a live concert and they usually smell alright too.

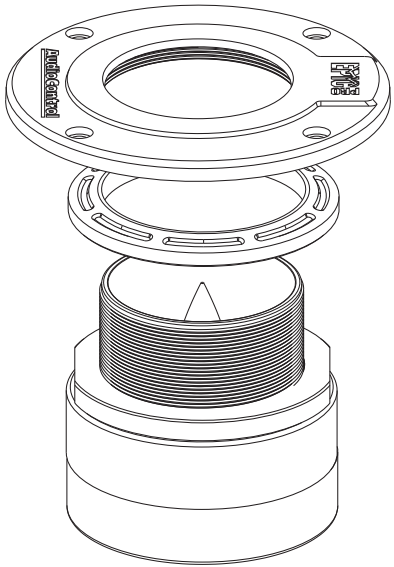
Pro Audio

The **EPICPRO3SBT** isn't your typical soft or metal dome tweeter—it's built to be bigger, bolder, and louder. Engineered for extreme efficiency and high output, this compression tweeter features oxygen-free copper (OFC) voice coils, a titanium diaphragm, and a precision-designed horn to deliver up to 105 dB of efficiency across a wide 4,500 Hz to 20,000 Hz frequency range.

For the best audio performance, we recommend pairing each **EPICPRO3SBT** with two EPIC midrange drivers—either 6.5-inch, 6x9 inch or 8-inch models. This setup ensures optimal dynamics, extended bandwidth, and a well-balanced sound profile.

EPIC Pro tweeters are designed to pair seamlessly with either our **EPICFOUR** or **EPICBIGFOUR** amplifiers. The right choice depends on your installation needs—and both deliver powerful, high-quality sound. (See pages 6-7 for examples)

Parental discretion advised :)



Specifications - EPICPRO3SBT

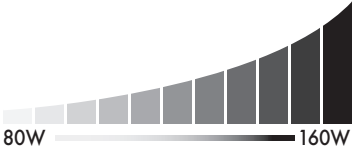
Speaker Model	**EPICPRO3SBT**
Speaker Size	2.75 in (70 mm)
DC Resistance (Re)	3.6 ohms
Voice Coil	1.5 in (36 mm)
System Frequency Response	3500 Hz - 20,000 Hz
Sensitivity*	105 dB 1 W / 1 m
	108 dB @ 2.83 V / 1 m
Magnet Weight	4 oz (neodymium)
Magnet Dims	52x32x5 mm

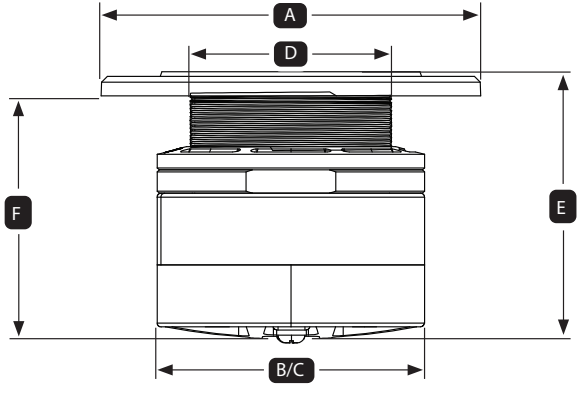
Dimensions for Tweeter

Overall Diameter Front Mount (A)	3.85 in / 98 mm
Overall Diameter Rear Mount (B)	2.71 in / 69 mm
Cut Out Diameter Front Mount (C)	2.15 in / 90 mm
Cut Out Diameter Rear Mount (D)	2.45 in / 52 mm
Mounting Depth (E)	2.51 in / 63.8 mm
Total Depth (F)	2.575 in / 70 mm

Suggested Amplifier Power

Performs with precision at 80 watts, but push it to 160 watts and it unleashes maximum SPL with incredible clarity — built to handle serious power with ease.



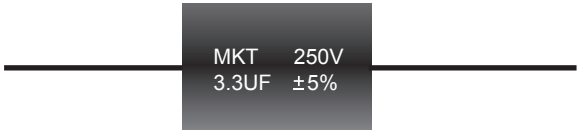


**We show sensitivity in both 2.83V/1m and 1W/1m for the most helpful comparison. Most amps work by delivering voltage, not a fixed wattage. Since 2.83 V equals 1 W into an 8 Ω speaker but 2 W into a 4 Ω speaker, this gives you a reliable way to compare speakers, no matter the impedance.*

Tweeter Crossover setup

The power handling of the **EPICPRO3SBT** depends on the crossover points used. Please see below to determine the crossover points and corresponding power ratings.

When fitted with the supplied crossover, the **EPICPRO3SBT** can be used at its full RMS power of 160 W, as it is safely crossed over at 12,000 Hz with a - 6 dB slope.



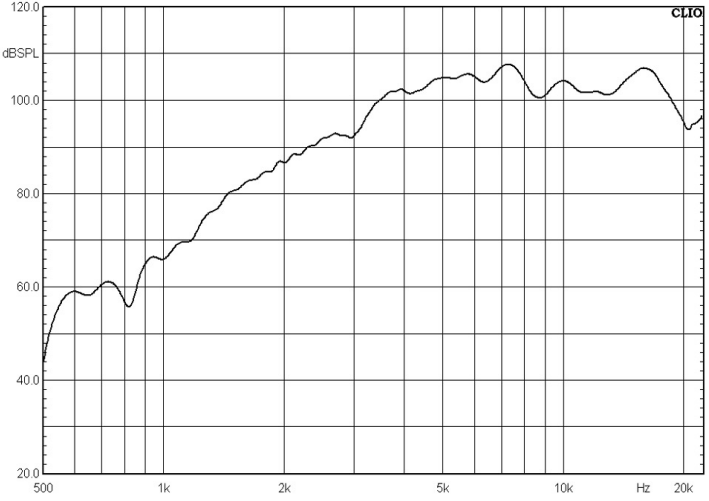
**The crossover is installed on the positive speaker wire of the tweeter. Keep it installed unless using an active crossover system, as described below.*

When using active crossovers on an amplifier or DSP, the following crossover points and power ratings can be utilized for further control of your **EPICPRO3SBT**.

Crossover Point	HPF Slope	Power Rating	Response Type
3500 Hz	12 dB	80 W RMS	Wide Range
4000 Hz	12 dB	120 W RMS	Loud & Musical
4500 Hz	12 dB	160 W RMS	Maximum power

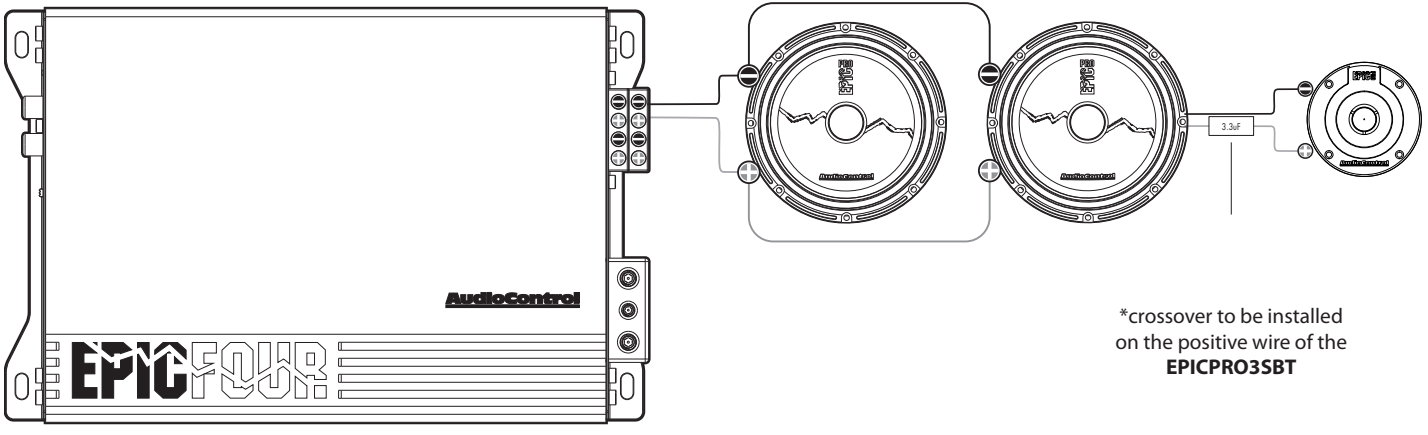
Frequency Response Graph

The frequency response graph below details the bandwidth in which the **EPICPRO3SBT** operates. This graph will help you determine the crossover settings for your midrange drivers on your amplifier, as well as their integration with additional tweeters and subwoofers in your system.



Tweeter Wiring Installation

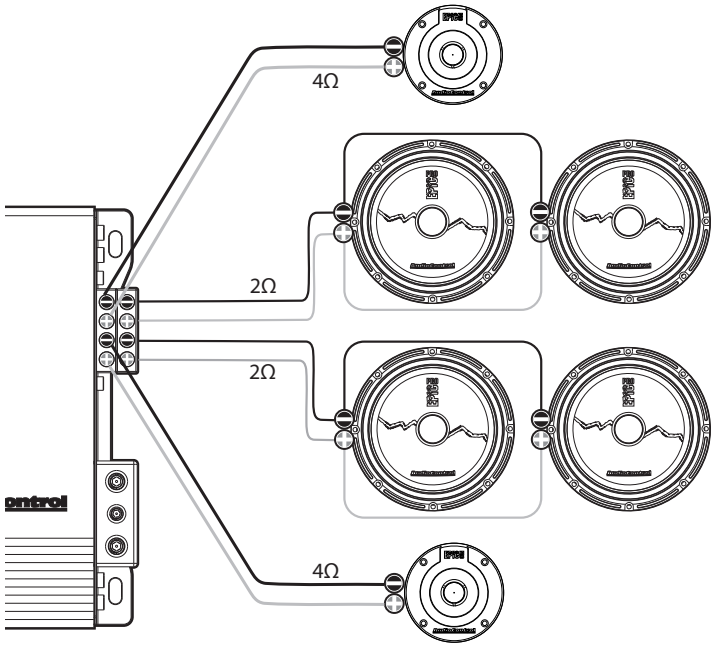
The **EPICPRO3SBT** is a high-frequency bullet tweeter that plays frequencies from 4,500 Hz to 20,000 Hz. To ensure safe installation and functionality, please install the tweeter with the in-line crossover (capacitor) on the positive line, as shown in the drawing below. Failure to do so may damage the tweeter and void the warranty.

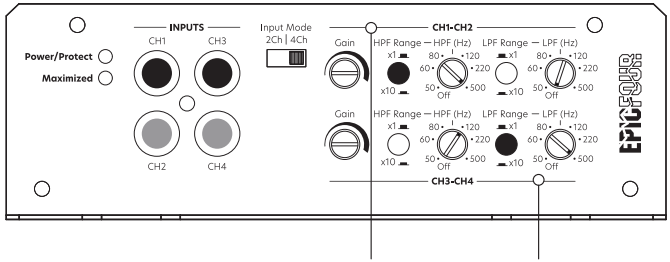


*crossover to be installed on the positive wire of the **EPICPRO3SBT**

Multi-Speaker Installation

In this example, we are connecting two **EPICPRO3SBT** tweeters and 2 pairs of **EPICPRO6X** speakers to the **EPICFOUR** 4-channel amplifier.





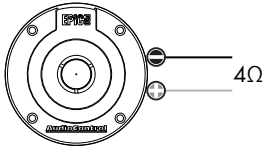
Ch1&2 ***EPICPRO3SBT*** *- HPF set to x10 with button pressed in, filter set to 4,500 Hz, LPF set to off*

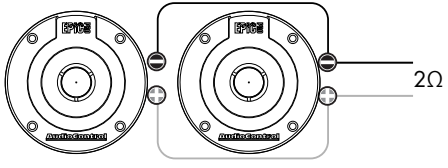
Ch3&4 **EPICPRO6X** *- LPF set to x10 with button pressed in, filter set to 5,000 Hz, LPF set to x1 with button out filter set to 120 Hz*

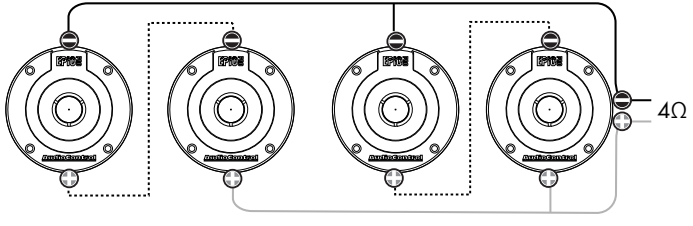
When installing the ***EPICPRO3SBT*** *independently with an amplifier like the AudioControl* ***EPICFOUR****, you can connect it directly to the amplifier. Simply utilize the amp's built-in high-hass Filter (HPF) and engage our x10 multiplier switch (as indicated). This setup allows for precise fine-tuning of the tweeter's crossover, with full instructions on page 5. The x10 multiplier extends the selectable crossover point, enabling the* ***EPICPRO3SBT****'s frequency range to reach up to 4,500 Hz*

Speaker Wiring Configurations

The illustrations below show how to configure your **EPICPRO3SBT** tweeters for different impedance levels, ensuring optimal installation within your system.





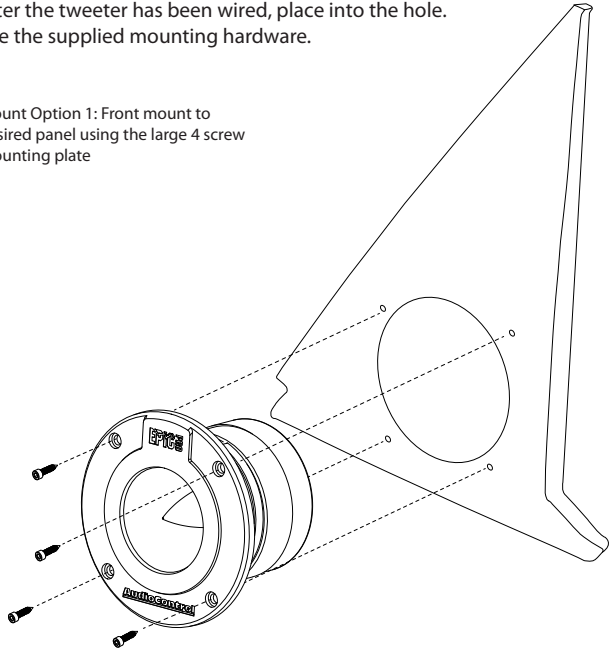


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Feel free to contribute yours before moving on.

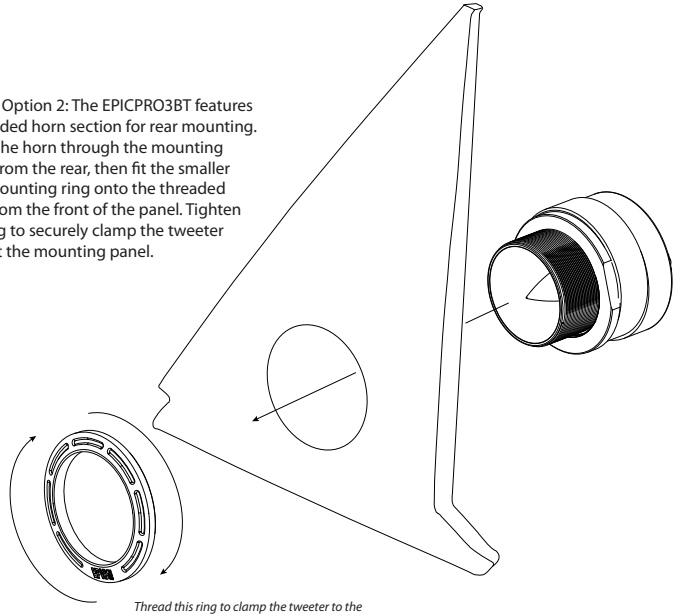
Tweeter Installation

- First, determine where the tweeter will be mounted. Next, make sure the area has a flat surface for the speaker to mount.
- Check the mounting depth of the desired location (use page 4 for tweeter mounting dimensions.)
- Using the cut-out template, mark the location for the tweeter to be mounted.
- Using the tool of your choice, cut out the marked hole.
- After the tweeter has been wired, place into the hole.
- Use the supplied mounting hardware.

Mount Option 1: Front mount to desired panel using the large 4 screw mounting plate



Mount Option 2: The EPICPRO3BT features a threaded horn section for rear mounting. Insert the horn through the mounting panel from the rear, then fit the smaller EPIC mounting ring onto the threaded horn from the front of the panel. Tighten the ring to securely clamp the tweeter against the mounting panel.



Thread this ring to clamp the tweeter to the panel

The Warranty

In just the same way as being covered in honey and thrown into a dark pit full of hungry woodchucks, 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 AudioControl. It's a warranty that looks out for you and your client, plus helps you resist the temptation to have your friend Sparky, who's "good with electronics," try to repair your AudioControl product. So go ahead, read this warranty, then register the information at www.audiocontrol.com/product-registration and include your comments.

Our warranty has conditional conditions! "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, AudioControl will, at its discretion, repair or replace any AudioControl speaker products that exhibit defects in materials and/or workmanship for one (1) year from the date you bought it. We will repair or replace it, at our option, during that time.

Here are the conditional conditions:

1. You must fully register your purchase within 15 days of the purchase date by going to the AudioControl product registration page at:

   www.audiocontrol.com/product-registration

   Failure to register your product will negate the warranty.
2. You need to hold on to your sales receipt! All warranty service requires original sales receipt documentation. The warranty only applies to the original purchaser from an authorized AudioControl dealer. Note: Products purchased from unauthorized dealers are not covered under warranty.
3. The AudioControl speaker products must have originally been purchased from an authorized AudioControl dealer.
4. Our warranty covers AudioControl products that have been installed according to the instructions in this manual.
5. You cannot let anyone who isn't: (A) the AudioControl factory; or (B) someone authorized in writing by AudioControl, service your AudioControl product. If anyone other than (A), or (B) messes with your AudioControl product, the warranty is void.
6. The warranty is void if the serial number is altered, defaced or removed, or if your product has been used improperly. Now that may sound like a big loophole, but here is what we mean by this: Unwarranted abuse is: (A) physical damage (don't use your product to pound in fence posts); (B) improper connections (120 volts into the speaker terminals can fry the poor thing). This is the best product we know how to build, but for example, if you mount it to the front bumper of your car, drop it over Niagara Falls, or use it for anchoring your boat, something will go wrong.

Assuming you conform to 1 through 6, and it really isn't all that hard to do, we get the option of fixing your product, or replacing it with a new one, at our discretion.

In the event that your product is out of warranty or not covered under our warranty, you may request to have any damage repaired at our normal "Out of Warranty" repair cost.

Legalese

The warranty above is the only warranty issued by AudioControl. This warranty gives you specific legal rights, and you may also have rights that vary from state to state.

Promises of how well your AudioControl product will work are not implied by this warranty. Other than what we've said we'll do in this warranty, we have no obligation, express or implied. We make no warranty of merchantability or fitness for any particular purpose. Also neither we nor anyone else who has been involved in the development or manufacture of the unit will have any liability of any incidental, consequential, special or punitive damages, including but not limited to any lost profits or damage to other parts of your system by hooking up to the unit (whether the claim is one for breach of warranty, negligence of other tort, or any other kind of claim). Some states do not allow limitations of consequential damages.

For more information about this fine product, and for additional details of the limited warranty and repair services, please visit **www.audiocontrol.com**

For technical questions, please visit **www.audiocontrol.com/knowledge-base/**

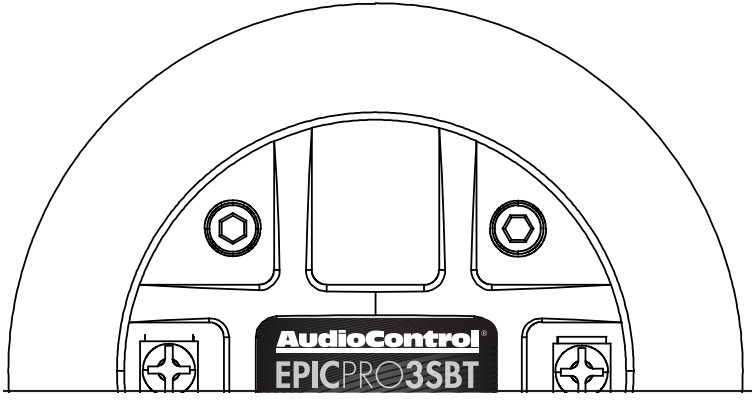
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St Petersburg, FL 33702

Support:
Phone: 425-777-7723
Email: support@audiocontrolmobile.com

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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.

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