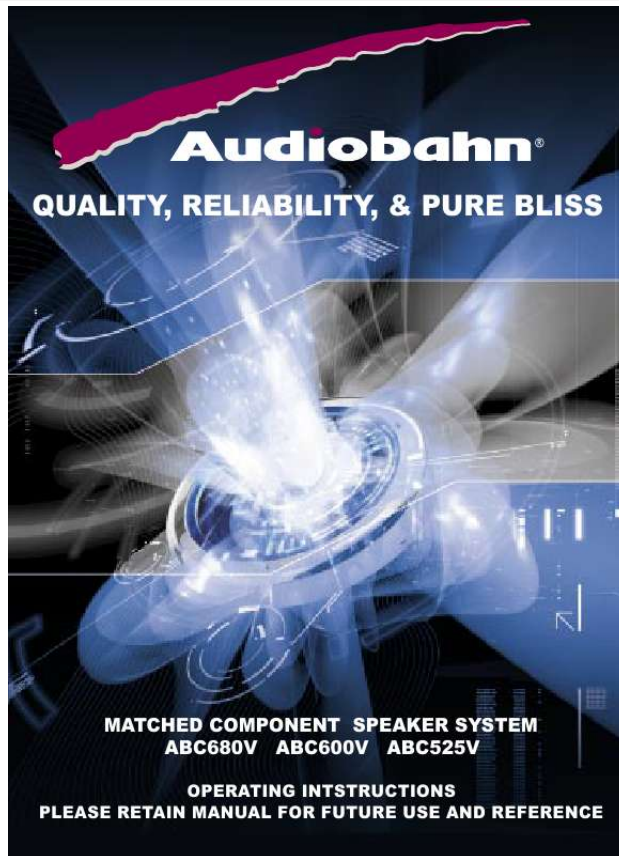




# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for AUDIOBAHN ABC680V. You'll find the answers to all your questions on the AUDIOBAHN ABC680V in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

**User manual AUDIOBAHN ABC680V**  
**User guide AUDIOBAHN ABC680V**  
**Operating instructions AUDIOBAHN ABC680V**  
**Instructions for use AUDIOBAHN ABC680V**  
**Instruction manual AUDIOBAHN ABC680V**



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**Manual abstract:**

We make you look as good as you sound. We strive to take car audio to an extreme the world has never seen, and a world that never stops evolving. Audiobahn was established in 1997 with one long-term goal in mind, "Build it Bigger, Badder, & Better, and the people will take notice!" We back this statement with an engineering team that has brought home several Innovations, Design & Engineering Showcase Awards, and a marketing team from around the world that spends countless hours developing our no compromise products to satisfy the most discriminating enthusiasts. Our global manufacturing facilities feature ISO9002 ratings (the highest level of quality control awarded in the electronics manufacturing industry), fully robotic assembly lines and a state of the art, California based R & D laboratory. Due to overwhelming response from our competitors, and our goal to participate in even more events this year, we created \*"TEAM AUDIOBAHN." This organization is designed to create a support network along with shirts and perks for team members. "TEAM AUDIOBAHN" is not only for the diehard competitor, but also for anyone that loves car audio as much as we do. With four levels of play, one is right for you to get started in the Audiobahn family. Our Technical Department and entire staff look to strive above and beyond the rest of the pack by going that extra mile to help you out. Whether you happen to be a veteran competitor, or a beginner car audio enthusiast who does not know a voice coil from a spider. We are all here to help you get the best system you can with what you have. @@We make you look as good as you sound. @@@@Other information can be located by using the table of contents. We at Audiobahn Inc. have worked very hard to make sure that all of the information in this manual is current, but, as we are constantly finding new ways to improve our product, this information is subject to change without notice.

All updated information can be found on our web page in the technical support section. 2 Introduction Dear Customer, Congratulations on your purchase of the worlds finest brand of car audio products. Here at Audiobahn Inc. we are devoted to making our musical reproduction the vert best, and we are pleased you have chosen our product. Through years of engineering expertise, hand craftsmanship, and critical testing procedures, we have created a wide range of products that reproduce music with all the clarity and richness you deserve.

For maximum performance we recommend you have your Audiobahn product installed by an Authorized Audiobahn Dealer, as we provide specialized training through our Audiobahn Installer Training Programs. Please read your warranty, keep your receipt, and original carton for possible future use. To get a free brochure on Audiobahn products in the US call (714) 988-0400 or e-mail us at sales@audiobahn.com. WARNING Continuous exposure to sound pressure levels over 100dB may cause permanent hearing loss. High powered autosound systems may produce sound pressure levels well over 135dB. Need we say more! Use common sense. If after reading this manual you still have questions regarding your product, we recommend that you see your nearest Audiobahn Dealer. A list of Authorized Audiobahn Dealers can be found on our web page. If you need further assistance, feel free to call us at (800) 488-8595 and ask for the Technical Department.

Be sure to have the model number, date of purchase, and invoice number available when you call. The model number can be located on the outside of the carton. Record this in the space provided below along with the date of purchase. It is a good idea to keep your receipt with this as you will need it in the case of needing a warranty, repair service or exchange. Model Number: \_\_\_\_\_ Date of Purchase: \_\_\_\_\_

3 Features and Specifications FEATURES SPUN ALUMINUM 1 PIECE CONE BUTYL RUBBER SURROUND 2-LAYER HIGH-TRMP ASV VOICE COIL 4 OHM IMPEDANCE COMPONENT MATHED 12dB PER OCTAVE CROSSOVER NETWORK 1" SILK DOME TWEETER (SURFACE OR FLUSH MOUNT) COMPLETE WITH MOUNTING HARDWARE STRONTIUM MID-WOOFER MAGNET NEODYNIUM TWEETER MAGNET SPECIFICATIONS POWER HANDLING ABC680V: 160 RMS POWER 320 ACH POWER ABC600V: 140 RMS POWER 280 ACH POWER ABC525V120 RMS POWER 240 ACH POWER FREQUENCY ABC680V: 25Hz - 25kHz ABC600V: 30Hz - 25kHz ABC525V: 35Hz - 25kHz MAGNET WEIGHT ABC680V: 15oz ABC600V: 15oz. ABC525V: 15oz. SENSITIVITY ABC680V: 93dB ABC600V: 91dB ABC525V: 90dB Mounting Tweeter Amplifier Midwoofer Tweeter Amplifier / Source Wiring and Controls 1 2 3 From left to right you have three sets of terminals. The left terminal in each set is negative (-) and the right terminal is positive (+).

(1) is the input terminals. This is the speaker wire coming from your amplifier or source unit.

(2) is the tweeter output. This is the speaker wire going to the tweeter. (3) is the midwoofer output. This is the speaker wire going to the midwoofer. (4) is the tweeter gain switch.

This allows you to adjust the gain of your tweeter. It allows you to switch between 0dB and -3dB. Setting the switch in the left position (5) sets it at 0dB, and setting the switch in the right position (6) sets it at -3dB. 6 Choosing A Location It is always best to plan the complete installation prior to attempting to install any product. @@@@This applies mostly to later model vehicles.

@@@@Most speakers will fit into stock locations on the vehicle. In this case only depth consideration is important. @@Be careful when cutting out the template. If you cut the template properly, the speaker will be a perfect fit. @@Confirm the cut by placing the speaker in the hole. You may need to modify the hole cut as necessary. @@This will help to insure proper cutting and a good fit. Mark the locations for the speaker mounting screws. Then remove the panel and drill the screw holes. When finished you can replace the panel.

@@File any area that may interfere with the mounting of the speaker. @@Treat the area for water protection when necessary. @@Turn on the various components and slowly advance the volume. @@@@Makes sure that your audio system is off while installing and connecting your new Audiobahn Speakers. Failure to do so could result in damaging the speaker beyond repair. This is not something that would be covered under the manufacturer warranty. Be sure to route the wires to the speakers with the insulated terminal ending at the speaker. This will insure a good contact with the speaker. If you need to shorten the speaker lead, do so on the opposite end of the insulated terminals or the bare end. Be sure the polarity is correct at all times.

The speaker leads are color coded for negative and positive. Make sure that the leads connected to the positive terminal of your amplifier or source unit is correctly connected to the positive terminal of the speaker. To insure long-term reliability all bare wires and wire-to-wire connections should be soldered and insulated with heat shrink or electricians tape.



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*Under no circumstances should you leave any bare wires uncovered, as this can and will lead to the failure of your speakers and possibly other components. When mounting in a door it is imperative to have the right amount of slack in the connecting wire as to not get crimped or torn when the door is opened or closed.*

*Avoid areas of the door jam that pinch. This will cause damage to the speaker and other components over long-term use. Once the speaker wiring is complete, you can connect the opposite end to the amplifier or source unit. Again, be sure to observe correct polarity. Solder and wrap all stripped connections.*

*9 Securing the Speaker Securing the Speaker Once you ha power fuse, replace it only with a fuse identical to that supplied with the system. Using a fuse of a different type or rating may result in damage to this system which is not covered by the warranty. Disclaimer Specifications are subject to change with out notice. For the most updated Specifications call Audiobahn, your local Authorized Audiobahn Dealer, or check the Audiobahn web site. [www.audiobahn.com](http://www.audiobahn.com)*

*12 Warranty Audiobahn Consumer Product Warranty Policy Audiobahn products are manufactured with the highest quality components and some of the most advanced technology available. Because of this, we recommend that you have your new products installed by an Authorized Audiobahn Dealer. (A list of Authorized Audiobahn Dealers can be found on our web page). Warranty Period: One year from the original date of purchase.*

*Warranty Coverage: This warranty covers manufacturer defects only. @@@@Do not send the entire enclosure, unless the enclosure is defective itself. You must receive prior authorization and an RA# before sending in any complete enclosure). AUDIOBAHN DOES NOT WARRANTY ANY PRODUCTS NOT PURCHASED THROUGH AN AUTHORIZED DEALER. (A list of Authorized Audiobahn Dealers can be found on our web page). AUDIOBAHN*

*WARRANTIES DO NOT COVER THE FOLLOWING: Any product not purchased from an Authorized Audiobahn Dealer (including Internet dealers) Damage caused by abuse, misuse, accident, water / flood, or theft (including any cosmetic damage to the body of the product) Damage caused by improper installation*

*Any cost or expense related to removal or reinstallation Any unauthorized services Any product that has the serial number removed, altered, or defaced Subsequent damage to any other components Pinched, cut, or stripped wires / terminals Any product that is new, and/or found to be in working condition*

*L.E.D. indicators on electronics (Audiobahn will only replace L.E.*

*D.(s) found to be defective at the time of purchase) 13 .*



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