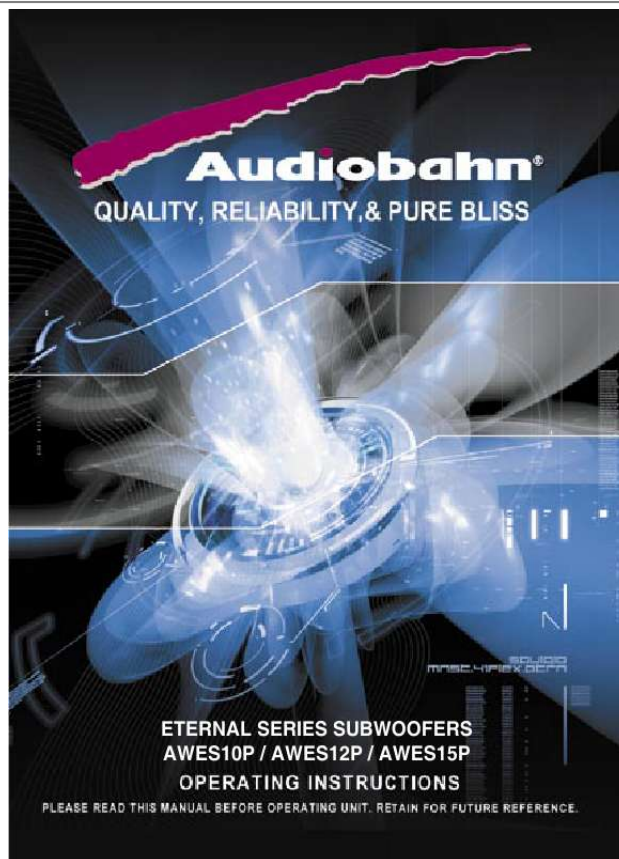




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for AUDIOBAHN AWES15P. You'll find the answers to all your questions on the AUDIOBAHN AWES15P in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual AUDIOBAHN AWES15P
User guide AUDIOBAHN AWES15P
Operating instructions AUDIOBAHN AWES15P
Instructions for use AUDIOBAHN AWES15P
Instruction manual AUDIOBAHN AWES15P



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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 that 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. @@ Here at Audiobahn Inc. @@@@ 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.

Great products and proper installation are only a small piece of the puzzle when it comes to your system. Make sure that your installer is using only 100% authentic installation accessories from the Audiobahn Connections. The Audiobahn Connections line has everything ranging from the smallest terminal, to power wires up to 0 gauge, and 4 channel RCA cables. To get a free brochure on Audiobahn products and Audiobahn Connections in the U.S. call (714) 988-0400 or e-mail us at sales@audiobahninc.com. WARNING Continuous exposure to sound pressure levels over 100 dB 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 a warranty repair or exchange. Model Number: _____ Date of Purchase: _____ 3 Woofer Introduction Audiobahn woofers are a low frequency driver designed primarily for use in small sealed or vented enclosures depending on the model of sub. Please check the specifications in this manual, our website at www.audiobahninc.com , or call us at 714-988-0400 or 800-488-8595. As specifications and parameters are subject to change, we highly advise always checking our web site or calling us for the most current information. @@ This ensures a perfect alignment on each and every woofer. @@@@ This greatly improves the clarity of the speakers frequency response. @@@@ Vas is just a parameter used when calculating a box.

@@ Ft.) 0.71 Cu. Ft. 2.

14 Cu. Ft. 3.21 Cu. Ft.

@@ Resp. @@ Ft.) Port Size (Inches) Port Vel. (%) -3dB (Hz) Tune Freq. (Hz) Sub Disp. (Cu. Ft.) Port Disp.(Cu. Ft.

) Total Vol. (Cu. @@ Ft.) Port Size (Inches) Port Vel. (%) -3dB (Hz) Tune Freq. (Hz) Sub Disp. (Cu. Ft.) Port Disp.(Cu.

Ft.) Total Vol. (Cu. Ft.) 1.

1 3 x 12.25 17.67 28.82 35 0.25 0.

059 1.5 1.95 4 x 11.25 29.06 12.06 35 0.4 0.093 2.5 2.95 (2) 4 x 15.

5 7.55 28.05 35 0.7 0.255 3.75 (Not Designed for Competition) Ultimate SPL Bass Box Ported Air Space (Cu. Ft.) Port Size (Inches) Port Vel. (%) -3dB (Hz) Tune Freq. (Hz) Sub Disp.

(Cu. Ft.) Port Disp.(Cu. Ft.

) Total Vol. (Cu. Ft.) 2 4 x 11 13.85 27.

96 35 0.25 0.09 2.5 2.8 (2) 4 x 16.5 7.64 27.98 35 0.4 0.27 3.

5 4 (2) 4 x 10 9 27.36 35 0.7 0.125 4.75 A port velocity of 20% or under is good for everyday use and 5% or under for SPL competition . Port velocity An EBP of less than 45 is SUGGESTED for only a sealed box and greater than 65 for a ported box. EBP 56 Model # AWES10P 0.5 1.25 82.04 45 AWES12P 0.

75 1.75 84.37 44 AWES15P 1.5 3 84.54 NR = (Not Recommended) The larger a sealed box is, the lower the sub will play, but the less power it will handle.

The smaller a sealed box is, Sealed Minimum (Cu. Ft.) Maximum (Cu. Ft.) SPL (dB) All sealed boxes already include the displacement for the subwoofer. AWES10P Space Saver Everyday Ultimate 9 AWES12P Space Saver Everyday Ultimate 10 AWES15P Space Saver Everyday Ultimate 11 Enclosures And Setup Building an Enclosure To work properly, the walls of the enclosure must be rigid and not flex when subjected to high pressure generated by the speaker's operation. For optimum performance, we recommend using 3/4" MDF (Medium Density Fiberboard) and internal bracing. The enclosure should be glued together along with support of screws or nails. Because MDF is porous, it is suggested that you seal the outside with polyurethane prior to painting or carpeting. Calculating Volume Calculating is merely a matter of measuring the dimensions in inches, and using the following formula: Box Volume = (Height) x (Width) x (Depth) divided by 1728. This will give you the volume of the box in cubic feet. If two facing sides are uneven length, add them together, and divide by 2 to take the average. Using this number will give you the volume without the necessity of calculating the box in sections, and adding the sections together. The thickness of the baffle material reduces the internal volume so this must be subtracted from the outside dimensions to determine the internal volume. The amount of air displaced by each model is listed on the specifications sheet in this manual and should also be subtracted from the gross volume calculation.

All box parameters include displacement for ports and subs. These specs do not include the volume of the material used to build the box, so this must still be factored into the calculation.

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Subwoofer Crossover There are two operational types of crossovers, passive itself. You must receive prior authorization and an RA# before sending in any complete enclosure). Audiobahn will only replace L.E.D.(s) found to be defective at the time of purchase. 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 Any product that is new, and/or found to be in working condition L.E.

D. @@@@Any product found to have no manufacturer defect will be returned to the sender at their cost. You must acquire a Return Authorization Number (#) prior to returning ANY product to Audiobahn. That Return Authorization Number (RA#) must be prominently and clearly marked on the outside of the shipping carton, or product delivery will be refused (no exceptions will be made). Please note: All shipping and handling (to and from) charges will be the sole responsibility of the consumer.

*Please record and keep your Return Authorization Number (RA#) in the event that further communication is required. Return Authorization Number (RA#):
Date product was sent: _____ Contact Information Audiobahn Headquarters 114 South
Berry St. Brea, CA 92821 Phone (800)488-8595 Fax. (714)988-0433 Pacific Coast Time : 9am-5pm Mon. - Fri.
tech@audiobahn.com 16 .*



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