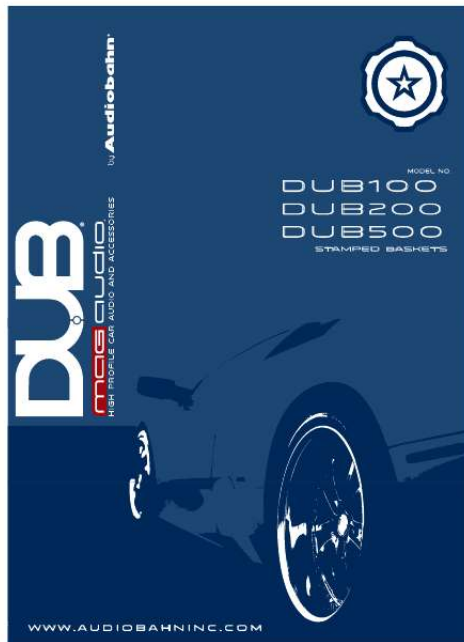




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for AUDIOBAHN DUB100. You'll find the answers to all your questions on the AUDIOBAHN DUB100 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual AUDIOBAHN DUB100
User guide AUDIOBAHN DUB100
Operating instructions AUDIOBAHN DUB100
Instructions for use AUDIOBAHN DUB100
Instruction manual AUDIOBAHN DUB100



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Manual abstract:

audiobahninc.com The Audiobahn Way To bring the product to market that excites the consumer through sound and vision from an orientation of integrity and customer service. 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. Judge for yourself, and remember what it's all about, "If it's not Bigger, Badder & Better, it's not Audiobahn." If audio is your life, Audiobahn is the brand for you! We make you look as good as you sound.

@@@Please read your warranty, keep your receipt, and original carton for possible future use. 2 ratings (the ics a state of To get a free brochure on DUB audio products in the U.S. call 988-0400 or e-mail us at www.dubaudioseries.

com (714) WARNING rs, and our ed *"TEAM rt network BAHN" is not loves car ht for you 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 DUB audio Dealer. A list of Authorized DUB audio 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.

strive a mile to itor, or a coil from a u can with ut, "If it's udio is your ok as good est ll, see our com to learn Model Number: _____ Date of Purchase: _____ WWW.DUBSERIES.COM 01 Table of Contents Introduction Getting Started Woofer Introduction Woofer Features

Theile / Small Parameters Box Parameters Graphical Response Curves Enclosure and Setup Troubleshooting Warning and Disclaimer Warranty 01 02 03

04-05 06 07 08-10 11 12 13 14-15 Getting Started Welcome to DUB audio This manual has been designed to provide information for the owner, salesperson, and installer. For those of you who want quick information on how to install this product, please turn to the installation section of this manual. Other

information can be located by using the table of contents. We at Audiobahn have worked very hard to make sure that all of the information in this manual is current, but, as we are costantly 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. 02 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. By utilizing the latest materials and construction design and techniques, we are able to offer a subwoofer with optimized low frequency response. Woofer Audiobahn Dual 4 Ohm Coil High Excursion Sub Audiobahn Sticker Installation & Owner's Manual Wipe Towel

Registration and Warranty Card Technical Design Features Cast The dual voice coil woofers use a polished chrome steel stamped basket. This ensures a perfect alignment on each and every woofer.

Glass Fiber Composite Laminated The cone material is a KM3 Coated laminated paper. This provides the necessary combination of weight and strength and allows for extreme levels of output without causing cone failure. The increased rigidity of the cone also helps lower distortion levels. WWW.DUBSERIES.COM 03 Woofer Features 2 inch Rubber Surround The 2 inch rubber surround provides the consistent support necessary for the linear motion of the speaker

cone. In addition, the inherent damping capabilities eliminates the transmission of sonic disturbances between the cone and the frame of the speaker. @@@@Vas is just a parameter used when calculating a box. @. @Ft. 2.26 Cu. Ft. 0.85 Cu.Ft.

Vas (Cu. @. @Resp. @. @Ft. 6 3/8" 10 7/8" 12 1/8" 0.23 Cu.Ft. @. @. @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.) Port Size (Inches) Port Vel.

(%) -3dB (Hz) Tune Freq. (Hz) Sub Disp. (Cu. Ft.) Port Disp.(Cu. Ft.) Total Vol. (Cu. @. @. @. @An EBP of less then 45 is SUGGESTED for only a sealed box and greater then 65 for a ported box.

EBP 42 39 39 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, the higher the frequency the sub will play, and the more power it will handle. Model # DUB100 0.5 1.25 DUB200 0.

75 1.5 DUB500 1.25 3 Sealed Minimum (Cu. Ft.) Maximum (Cu. Ft.) All sealed boxes already include the displacment for the subwoofer. NR = (Not Recommended) WWW.DUBSERIES.COM 07 DUB100 Curves 08 DUB200 Curves WWW.



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DUBSERIES.COM 09 DUB500 Curves 10 Enclosure 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: $\text{Box Volume} = (\text{Height}) \times (\text{Width}) \times (\text{Depth})$ 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 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. The warranty is applicable to the original purchaser, and is nontransferable. You must have a receipt from an Authorized Audiobahn Dealer that shows the location of purchase, price paid, and date of purchase. (Products purchased by consumers from an Authorized Audiobahn Dealer outside the United States, are covered only by that countries Distributor and not by Audiobahn). Notes: Complete subwoofer enclosures (Audiobahn will replace defective subwoofers, plexiglass, or neon 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 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. indicators on electronics 14 Warranty Cont lity ilable.

ucts orized How to receive warranty service: Contact your local Authorized DUB audio Dealer, or call audiobahn at (800) 488-8595 between the hours of 9:00 AM and 5:00 PM PST. If you are having problems with your system, we recommend you check the product carefully and thoroughly to confirm that the product truly has a manufacturer defect; as opposed to abuse, or other components in the system causing the failure. @@@@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. se. ects only. nonaudiobahn date of obahn Dealer ies fective e enclosure, rior nclosure). t the time of ollowing: udiobahn Return Authorization Number (RA #): _____ lood, or of the product) Date product was sent: _____ tallation 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@audiobahninc.com WWW.DUBSERIES.COM 15 .



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