



Car Audio Component Product Manual



Introduction & Thanks

Thank you for purchasing your new Bassface speakers. Every element of these products has been designed to give you the best possible performance for your money. Please take the time to read these instructions carefully as they contain useful and important information. Spending time getting the installation and setup right will be rewarded by many years of listening enjoyment. This manual is a detailed resource and contains a lot of important information. It is designed to be read in conjunction with the Specification Data Sheet included with your speakers.

Do not discard the original packaging for these speakers. It is needed for warranty service to ensure safe transit, and to preserve resale value.

Cautions & Warnings



Modern high power audio systems can generate AC voltages at the speaker similar to mains operated equipment. Your wiring needs to be good to be safe. Please remember this and take your time. Always use appropriate hand and eye protection when working with tools, and always work within your capabilities as an installer. Please make sure that your installation and any partnered product is suitable and compatible. If you are unsure please seek qualified advice before proceeding.

Please exercise caution when setting volume levels – powerful audio equipment can easily produce enough sound to permanently damage hearing. Remember that audio competitors use ear protection when operating and competing.

Warranty & Development

We offer a limited 12 month manufacturer warranty via your distributor or retailer. Please retain your purchase receipt as proof of purchase. Please note that Bassface operates a policy of continuous product development and reserves the right to change specification without prior notice. You can follow our process on our website by reviewing the version history information. The latest version of this manual, and the product Data Sheet can be downloaded from the product page for the model number of your speaker kit.

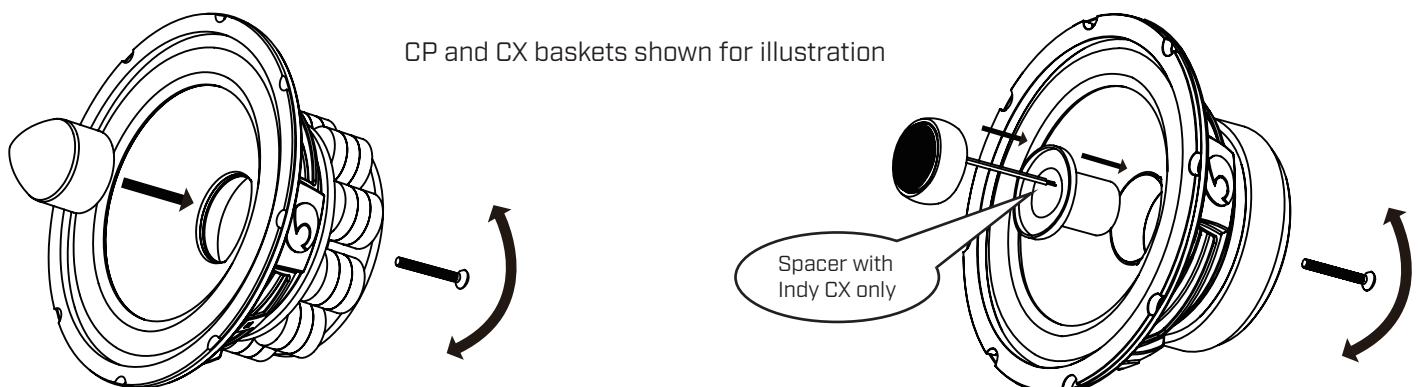
Please undertake installation of the speakers only if you have the skills, knowledge and tools required to do so. Failure to observe any of the installation points may invalidate your warranty. Product abuse or damage from running at over capacity is also not covered under warranty.

Preparation & Speaker Kit Physical Installation

Before installation, disconnect the batteries, taking note of any required precautions suggested by the vehicle manufacturer such as alarm or radio codes, on board computer, AGM battery coding requirements and vehicle power-up procedures.

Before installation, take time to review the fitment location and check on mounting clearance both behind and in front of the speaker. If you do not have space to allow operation of the vehicle windows you may need to obtain spacer rings to move the unit forwards. Ensure that the cone and surround will not touch anything during playback. Remember that the cone will move a few mm forwards during operation. Should you need to make your own spacer rings, we suggest to use MDF for best results.

The speaker can be prepared for operation as a point-source coaxial component by installing the tweeter as shown, Alternatively, install the phase plug to the centre of the midrange to use as a traditional component speaker. In either case, take care not to damage the delicate components of the speaker during assembly. Do not over-tighten the locating screw.

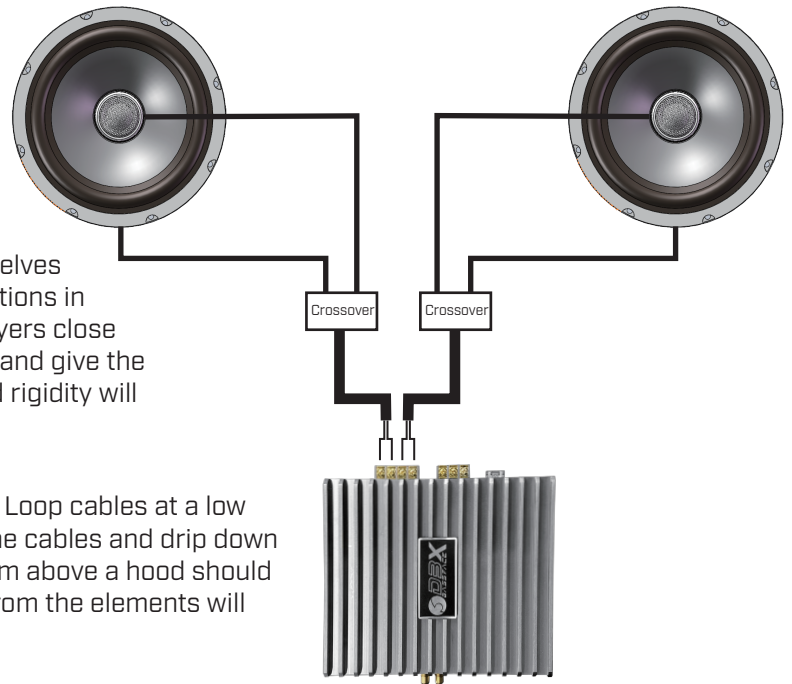


When mounting the speaker with screws be sure not to damage the rubber surround. If you need to drill new holes for mounting the speaker into the panel then make a pilot hole first to ensure accuracy, after marking the points with a pen.

Ensure there is no gap between the speaker framework and the door panel; leaks here will ruin the bass response. It is vital that the chassis of the speaker is tightly mounted and perfectly flat.

Consider sound proofing the car around the speakers themselves to ensure that the sound produced does not get lost in vibrations in the panel. When installing sound proofing try to double up layers close to the speaker itself. Aim to increase the weight of the panel and give the speaker something solid to kick against. This extra mass and rigidity will give you the best sound quality possible.

Work out where any water ingress will affect the installation. Loop cables at a low point under the speaker so droplets form on the bottom of the cables and drip down into the door drain. If the speaker will be subject to water from above a hood should be made and fastened above the driver as constant attack from the elements will eventually cause damage.



Electrical Installation & Setup Help

Now you can connect the input cables from the audio source. If these are the original wires then sometimes the colours and markings of OEM cables are inconsistent from side to side. The easiest way to get this right is use a simple multi meter. Set the multi meter to ac volts. Then, connect the ground wire of the multi meter to a ground point of the car and play some music through the head unit, testing each wire as you go. The wire that goes into positive voltage is the positive cable.

If adding external amplification use high quality, non-combustible, correctly rated cables only with appropriate crimped or soldered terminals. Failure to observe this point can result in damage to product or vehicle or even an electrical fire.

It is important to allow the speakers to run in for several hours at lower volume levels before feeding them with large amounts of power. When setting up your system for sound, remember that the most common cause of speaker failure is distortion caused by an amplifier set at too high a level.

If you have the facility available on your head unit or amplifier it will be beneficial in most cases to set a crossover point, to limit the amount of bass that is being fed in to your speakers. As a starting guideline for 4 Inch drivers we would recommend the use of a 160Hz HPF crossover; for 5.25 Inch 100Hz and for 6.5 Inch we would start at 80Hz.

If you're not running a subwoofer or you want maximum fidelity at the expense of outright volume you can experiment with lower crossover points, especially if you have soundproofed your doors.

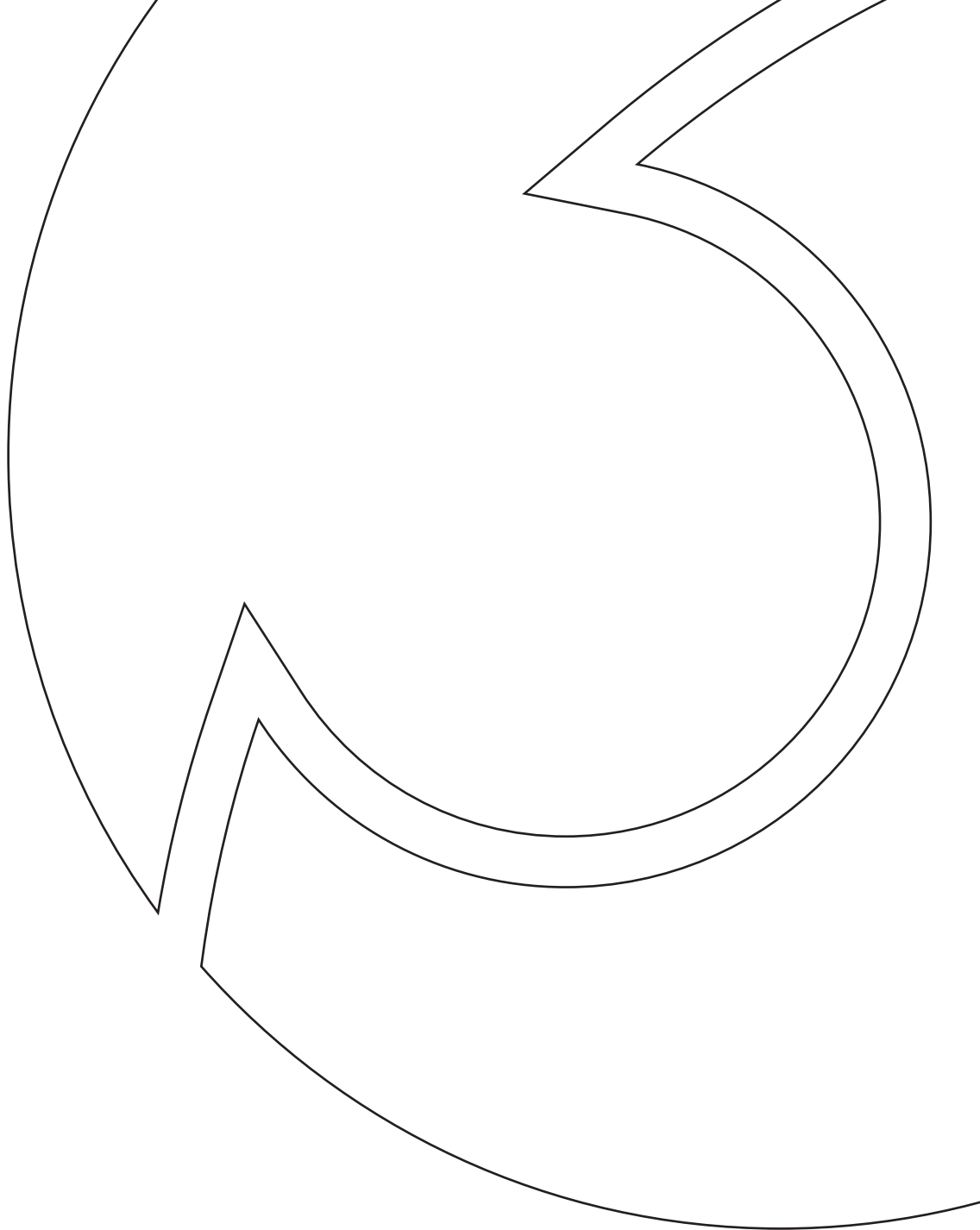
Servicing & Care

Contact your authorised dealer or country distributor should your speakers fail to function as expected. We recommend that the speakers only be transported for service in the original packaging to cushion the unit from transit damage.

For some of our speakers, especially those likely to be used in competition where they are often pushed to destruction, we offer replacement cone/motor kits to keep ongoing system running costs at a minimum. See the spare parts section of www.bassfacecaraudio.co.uk for details.

Conclusion

We hope this guide proves to helpful to you during the installation of your new speakers. If you are unsure of any step in the process we urge you to talk to your supplying dealer, country distributor or even to our UK headquarters for help before you do anything that might damage yourself, your vehicle or your new speakers. We are all here to help and always welcome questions from new owners. You can reach us in English at info@bassfaceaudio.com.



www.bassfacecaraudio.co.uk

Bassface Distribution Ltd 17 Peel
Street Warehouse Macclesfield,
Cheshire SK11 8BH, United Kingdom

info@bassfaceaudio.co.uk

