



BlackSPL6.1

Firstly, thank you for your purchase. Every element of this product has been optimized to give you the best possible performance for your money. We think that Bass Face represents the highest quality to price ratio available on the market today.

Please take the time to read these instructions carefully. You will need to follow them to have a successful install and get the most from the product.

Do remember that incorrect installation or abuse is NOT covered under warranty – it is YOUR responsibility to make sure that your installation and partnered product is suitable and compatible.

Before installation, please take the time to review your chosen fitment location and to check on mounting clearance both behind and in front of the midbass speaker. If you do not have the clearance behind to allow operation of the vehicle windows or other functions you may need to obtain spacer rings to move the unit forwards. You need to ensure that the cone, protruding tweeter and surround will not touch anything during playback. Remember that the cone will move a good few mm forwards during operation. Should you need to make your own spacer rings, we suggest MDF or similar, since the additional solidity and lower resonance goes a long way towards eliminating vibrations when compared to a standard plastic ring.

When you mount the speaker with screws it is really important to make sure that you do not damage the rubber surround with tools or any retaining washers. If you need to drill new holes for mounting the speaker into the steel of the panel then make a small pilot hole first to ensure accuracy, after first marking the points with a felt tip pen.

Crucially, you also need to ensure that there is no gap between the speaker framework and the door panel – as leaks like this will ruin the bass response. Additionally it is vital

that the chassis of the speaker is tightly mounted and perfectly flat. If you do not have a flat surface then you can use a combination of washers and long screws to install without putting the cast chassis of the speaker under tension. A cast chassis has a low resonance and keeps the cone under the best possible control but is very rigid and brittle, and damage can be done by a mounting plane that is not flat. You must then ensure that any leaks are totally plugged with silicone sealant.

We strongly advise that you consider sound proofing the car at least around the midbass speakers themselves to ensure that the sound produced does not get lost in the vibrations created in the panel. This will allow your speaker to be more rigid, giving you the best sound quality possible. It will also improve the output of the driver considerably, with no downsides!

When installing sound proofing it normally helps to warm the material before use. Try to double up the layers close to the speaker itself. You are trying to increase the weight of the panel and give the speaker something solid to kick against.

Now you can connect the input cables from the audio source. Most likely these will be the original wires that were previously going to the standard door speaker. You might have to extend them - if you are indeed connecting directly to the factory cables from the head unit, then you can sometimes have a tricky job because 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. Firstly, set the multi meter to 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 multi meter will show either a positive figure or a negative figure as the music plays. The wire that goes into positive voltage is the positive cable. Connect this to the positive side of the speaker and connect the other wire to the negative side of the speaker.

If you are connecting via an amplifier your task becomes a lot easier. All you have to do is remember which wire is positive coming from the amplifier by identifying the stripe on the wire and keeping that convention consistent throughout your installation. So it's either "stripe to positive" or "stripe to negative" right the way through.

The BLACKSPL5.1 and the BLACKSPL6.1 come with a pre wired 2 way crossover, ideally this box wants to stay as close to the speaker as possible and will fit descretely into a door card. If you do choose to use it in a location further away you will need to refer to the enclosed wiring diagram to ensure the correct wiring. Incorrect wiring could lead to speaker failure. These **MUST** be used and can not be left out of the installation.

Now your installation is basically complete you can temporarily reassemble the car and have a preliminary listen. When it comes to setting up your system for sound, please remember that the single most common cause of speaker failure is distortion. And the single most common cause of distortion is an amplifier set at too high a level.

The most annoying aspect of car audio is that the car radio manufacturers insist on producing head units that actually distort at about three quarters the way up their volume scale. If you add a little bass to the settings this critical point can be as low as half the way up the volume level! The result of this is that the hapless owner of the system blames the speaker for the distortion. The comment is usually "the speakers are not powerful enough to take the sound." In reality, you need to ensure that you play the system within the scope of the capability of the amp you are using. If this is a simple head unit then consider adding a subwoofer if you need more bass – or add an amplifier to the speaker outputs if you need to drive your new speakers harder. Whatever you do, don't sit there distorting your sound and then expect us

to dish out replacement speakers under warranty.

With your BassFace BLACK series speakers you are going to experience a much finer tonal balance and a superb stereo experience. What you are not going to do is to make your amplifier or head unit more powerful than it already is, or to re-write the rules of physics and create sub bass out of a speaker that is not designed to do that.

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. For the BLACKSPL5.1 we would recommend the use of a 100Hz crossover in most situations, and on the BLACKSPL6.1 we would suggest 80Hz as an excellent starting point. Although this is not strictly necessary as they are full range and in a door with sufficient sound deadening treatment they will give a very good response down to 50 hz.