

## **OUTRIGGER SET FOR QUADRAL CHROMIUM 8 LOUDSPEAKERS**

Thank you for purchasing the outrigger set for Quadral Chromium 8 loudspeakers not only will these outriggers give you far greater stability but they will also improve the performance of the sound.

In order to obtain maximum performance from your speakers please read these instructions carefully and retain for future use.



**Important Notes:** Please ensure you read and understand these notes as failure to do so may result in possible damage to the user and or the loudspeakers if the instructions are not followed. (If in doubt ask!)

The kit comprises of\_

- 2 x Long Anodised Aluminium Outrigger Bars (Front of Speaker)
- 2 x Short Anodised Aluminium Outrigger Bars (Rear of Speaker)
- 8 x Stainless Steel Thumbscrews
- 8 x Card Gaskets
- 4 x M4 x 50mm (Front of Speaker)
- 4 x M4 x 40mm (Rear of Speaker)
- 8 x Screw Cups
- 8 x M4 Flat Washers

Tools you will need

- Medium size cross head screwdriver (PZ1 or PZ2)
- Tape Measure

### **Step 1**

Invert your loudspeaker and you will see 4 rubber feet on the base of the speaker (Photo 1). The feet are attached with adhesive tape. They should be removed and any tape residue cleaned using a non-aggressive substance such as isopropyl alcohol. (If in doubt test on a small inconspicuous area first). See Photo 2.



Above Left Photo 1 Above Right Photo 2



Above Left Photo 3 Above Right Photo 4

## Step 2

Remove the four screws from the base of each loudspeaker using a crosshead screw driver (photo 3), these can be retained for conversion back to standard in the future if required.

Now you will need the long and short outrigger bars, two longer M4 x 50mm screws for the front of the speaker and two shorter M4 x 40mm screws for the rear of the speaker and four screw cups (Photo 4).

## Step 3



STEP 3 it is important you understand step 3 please read carefully.

This step is to check the fixing screws are not too long. The screws in the base of the speaker fix into a threaded insert that has a blind hole. In practice these are found to be inserted at variable depths. For this reason it is very important that the screw is not too long for the hole or it will bottom out. These instructions must be followed to check the hole depth.

Take the longer front M4 x 50mm screws and screw cups and screw the M4 screw fully home i.e. until it reaches the bottom of the thread (nip it up but not too tight, too tight and you may loosen the threaded insert). Now gently so as not to mark the painted surface slide the outrigger next to the screw cup.

If the screw is too long then the bottom of the screw cup will be higher than the top face of the outrigger as shown below in Photo 6. If this is the case then use one or more of the M4 washers pack out and to ensure the screw does not go too deep.

If the screw cup appears as shown in Photo 5 then no additional washer is needed.



Above Left Photo 5 Above Right Photo 6

Now repeat the same procedure using the M4 x 40mm screws at the rear of the speaker

### Step 5

Now the card gaskets (for protection of paint) can be placed over the holes (Photo 7) and then the front and rear outriggers should be fixed loosely into place allowing the final position to be adjusted using the correct length screws and any packing washers.

The position of the outriggers should be checked using a tape measure (Photo 8) and when positioned correctly the screws should be nipped up tight....but not crazy tight as this will cause the threaded insert to rotate in the speaker.

When both the front and rear outriggers are fixed the speaker can be stood back upright



**Do not lift the speaker using the outriggers as this may pull the threaded inserts out of the speaker base.**



Above Left Photo 7 Above Right Photo 8

## Stage 8

The thumbscrews can now be screwed into the outriggers and adjusted for level. No locking nut is required as gravity will keep the screws locked up in position.

Note: Spike cups are not included.



**Take care with the spikes as these may be sharp!**



That's is do the second speaker and you are good to go.