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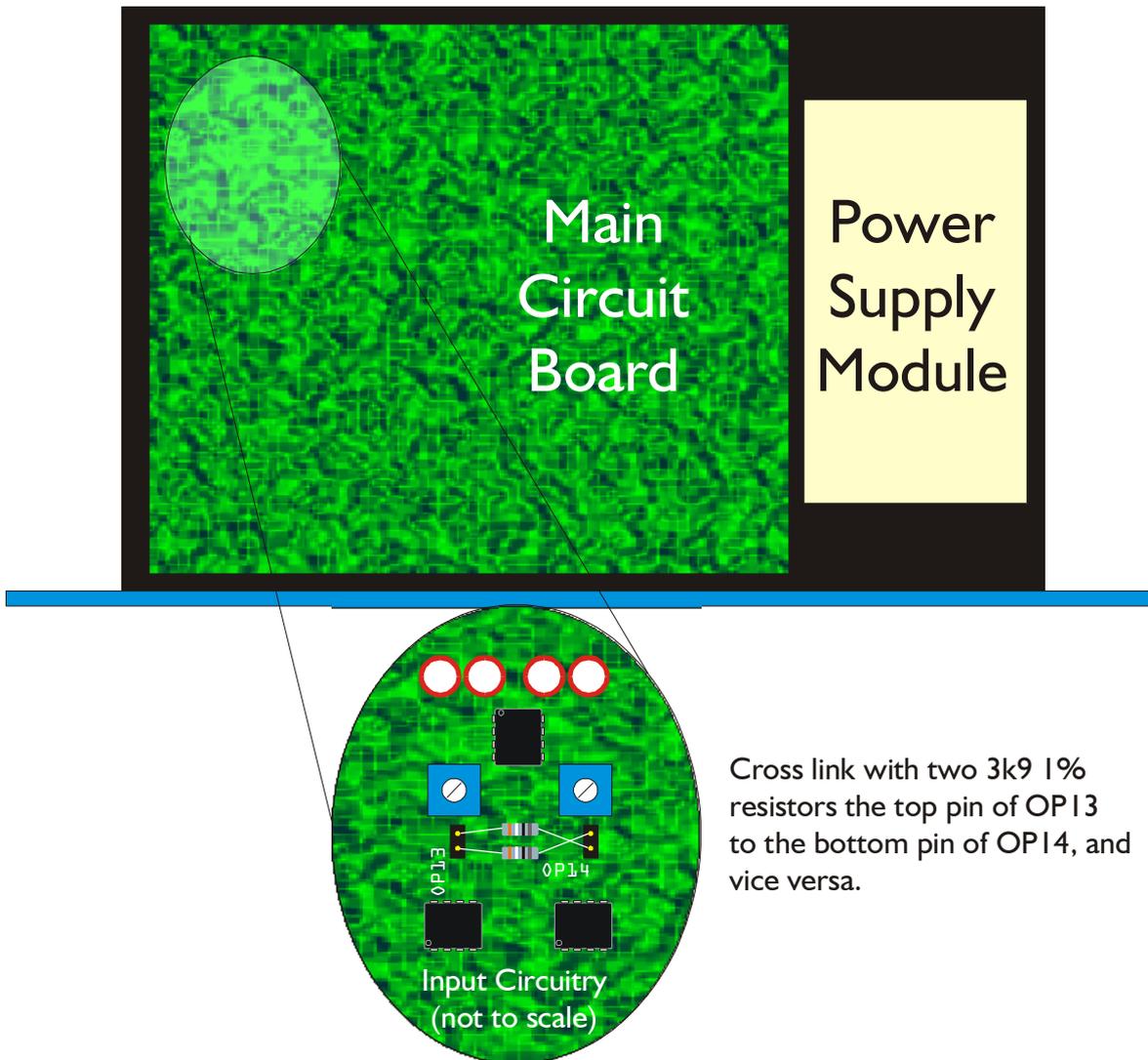Fax: 01299 879969 (Intl. +44 1299 879969)

...sum the inputs on the DP226 or DP224

Whilst there are configurations in both the DP226 and DP224 software that allow certain outputs to be fed from a sum of the inputs, there is no way to feed all the outputs from a mix of both inputs A and B.

A simple modification involving two resistors fitted across existing jumper points around the input circuitry will mix the two inputs together, at the same time providing 6dB of gain due to the summing process.

The procedure is as follows:

♦ Disconnect the unit from the main supply!

♦ Remove the top cover screws of the DP224/6 (7 in total) and set to one side.

♦ Now, with the front panel facing you, locate the input gain jumpers. These can be found towards the back left hand side of the unit in front of the two presets (probably blue)..They consist of a couple of small gold coloured pins, and are labelled 'OP13' and 'OP14'.

Main
Circuit
Board

Power
Supply
Module

Cross link with two 3k9 1%
resistors the top pin of OP13
to the bottom pin of OP14, and
vice versa.

Input Circuitry
(not to scale)

♦ If you have been supplied with a cross-linked adapter cable, simply plug it in across the
   two jumpers in place of the resistors.

   Now, check that it works.

***Do not perform the following test connected to your speaker system as full range audio is
sent to all outputs!***

♦ Power up the unit and, once it's woken up, change the configuration to 2 x 2 way
   crossover (or 2 x 3 way). Next, switch the unit off, and then holding in the 'MENU' key,
   switch it back on. When it asks for a security code, use the 'GAIN' keys to enter 4A311
   (for a DP224) or 561B (for a DP226). This will open all the crossovers to full bandwidth.

♦ Now, feed a signal into input A and confirm that the same output level is present on all
   four outputs. Do the same for channel B. Note that summing the two inputs will produce
   a 6dB level increase over and above using one input, so reduce the input level being fed to
   the crossover accordingly.

♦ Replace the top cover.