

Hairball Audio



FET Compressor Stereo Link Guide

Adding the stereo link circuit to your new or existing build is fairly strait forward. To stereo link two units you will need a stereo link PCB, switch (SPDT) and interconnect jacks in each unit.

The diagram below shows the basic wiring process.



Not all the output pot wiring is shown. You should observe proper shielding techniques to avoid unwanted noise.

If you are using a pushbutton version, you can also use your +8 switch as the stereo link selector. Wire it in the same way you would wire the GR disable as described in the pushbutton PCB wiring guide document. In this case you will want both the GR metering switch and stereo link switch selected at the same

Loop and Link

You should consult the schematic/wiring guide for the complete output pot wiring. Without a stereo link PCB a shielded wire will connect the CW terminal of the output pot to pad 15 of the ratio board.

When adding the stereo link board you will want to disconnect this wire from ratio board pad 15 and connect it to you link selector switch. Wire ratio pad 15 to the common terminal of your switch. Finally wire the link pad on the stereo link PCB to the remaining terminal.

When stereo linking is *disabled* your switch will connect ratio pad 15 to CW terminal of the output pot. When stereo linking is *enabled* your switch will connect ratio pad 15 to the Link pad of the stereo link PCB.

In and Out

The in and out pads are used to interconnect the two mono compressors. For proper operation you must connect the in of unit A to the out of unit B and the out of unit A to the in of unit B.

If you have only two units that you will be linking, you may choose to use a single TRS connector. In the case you will want to reverse the in and out on each unit.

Unit A T – In Pad R – Out Pad S – Ground Unit B T – Out Pad R – In Pad S – Ground

With this method using a TRS cable will properly connect the two units.

If you have more then two units for stereo linking you may want to use two TS connector on each unit dedicating one for in and one for out. This will allow you to interconnect different units by using a TS cable to connect the in of one unit to the out of the other and so on.

+30V and Ground

The circuit requires +30VDC that can be supplied by connecting the +30V pad of the link PCB to the +30V test point on the main PCB.

GND connects to ground.

Operation

For proper operation the units must be connected and both link boards should be enabled as described above. The controls on both units should be set the same and the Q1 FET transfer curves should be reasonably similar.