

v1.0

How to Change Input Polarity on BSS Soundweb Devices

30-Aug-23

Applicability:

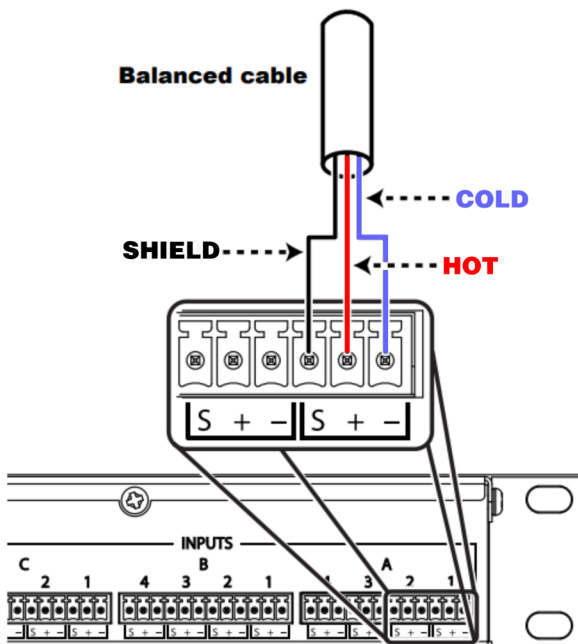
The following set of instructions will show you how to change the signal polarity of the analog inputs of a BSS Soundweb device, such as a BLU50, BLU100 or BLU 103. This also applies to any analog input cards for the 800 series chassis. does not apply to digital input cards or BLU-Link.

There are two methods you can use to accomplish this:

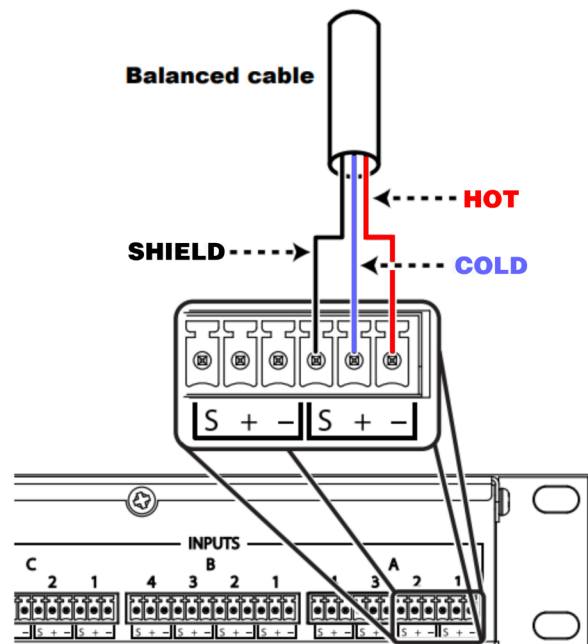
Method One: Input wiring

You can physically invert polarity by swapping the Positive and Negative signal wires on the input Phoenix connector as shown below:

Normal Orientation

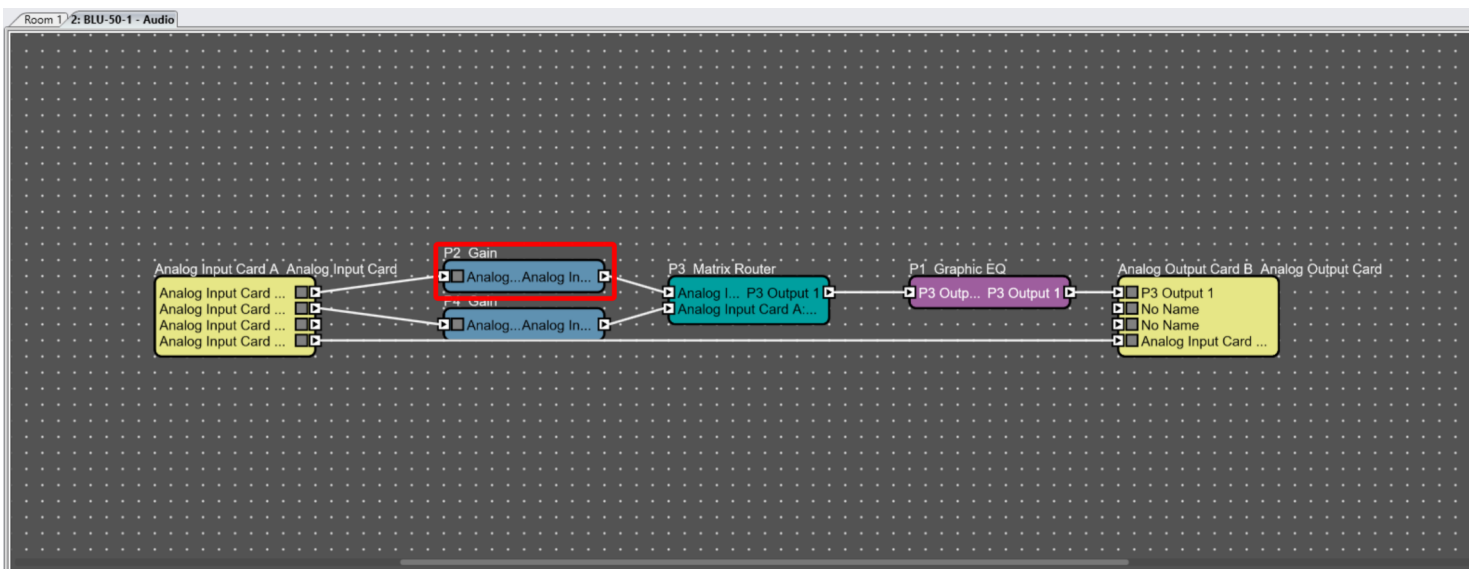


Polarity Reversed

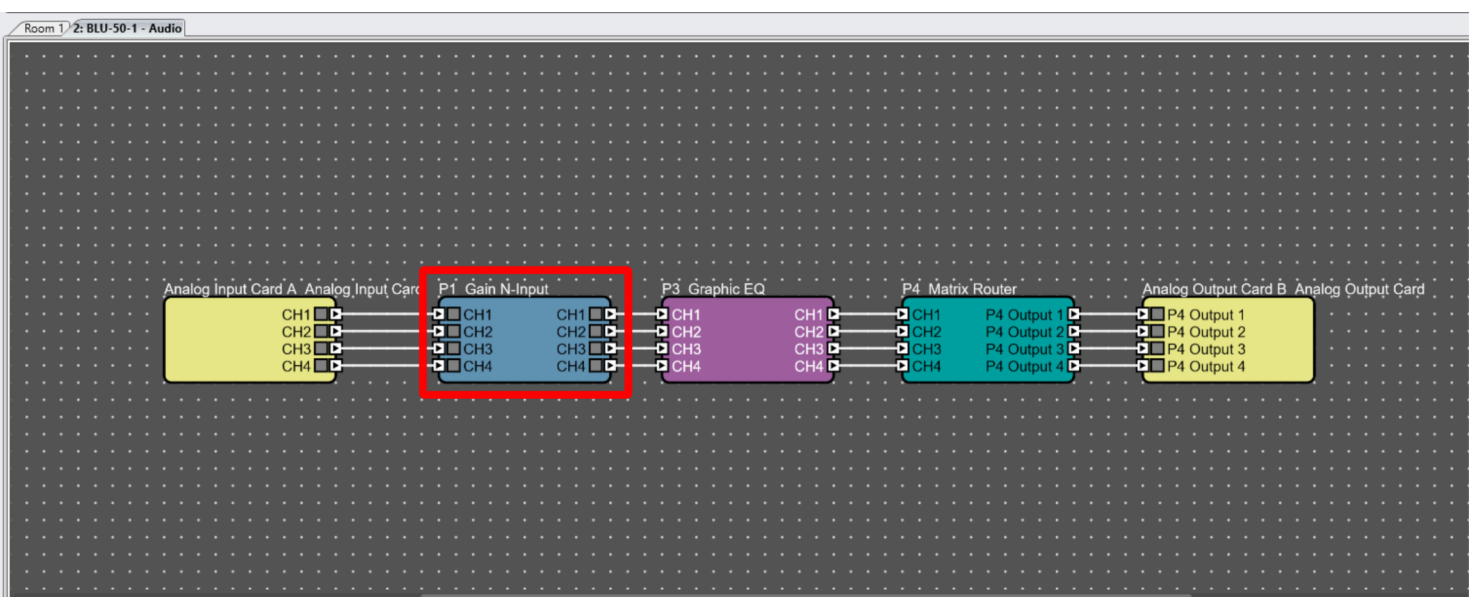


Method Two: DSP Processing object

Polarity can also be changed by using a DSP Processing Object such as the **Gain** or **Gain N-Input**. The best practice would be to insert this object at the very beginning or very end of your DSP signal chain, where it would not affect the polarity of any Blu-Link or Dante channels.



Using a Gain Processing Object

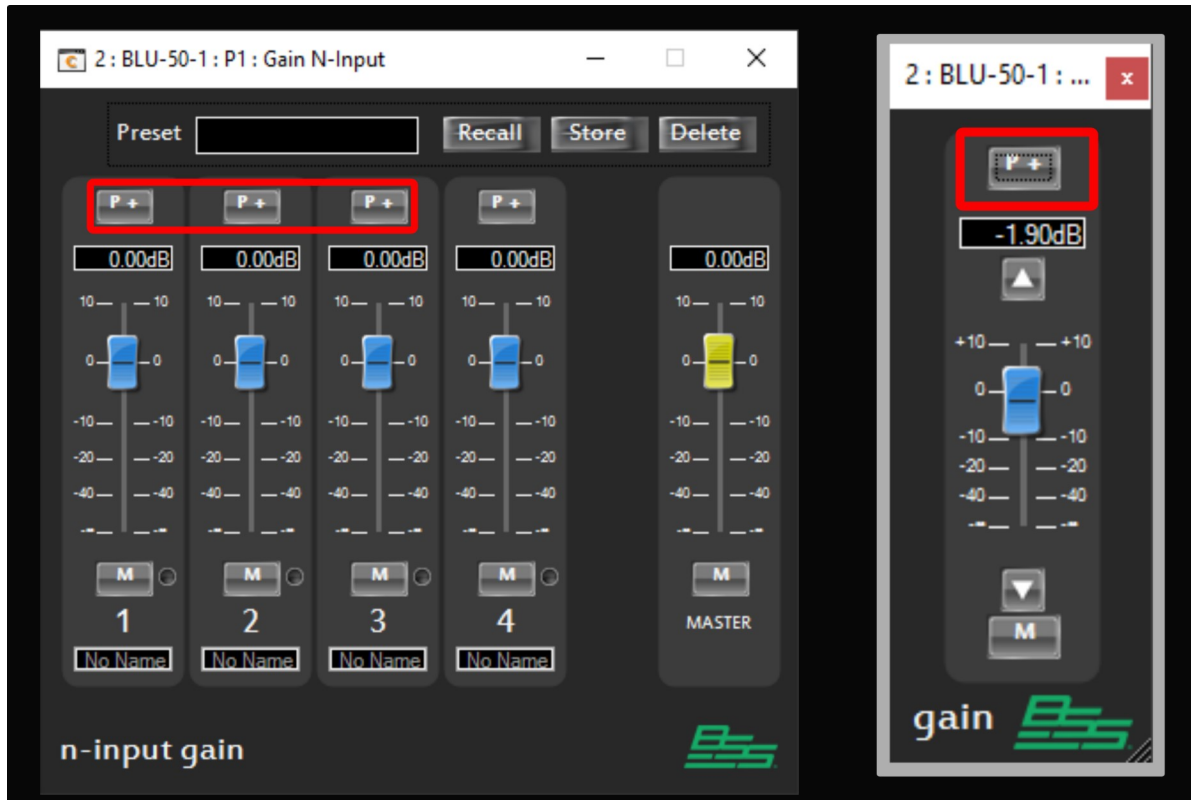


Using a Gain N-Input Processing Object

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Within the processing object, you can toggle the polarity with the **P+** icon:



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