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SYSTEM  
TECHNOLOGY  
BULLETIN

## Crown Field Support Engineering

**Issue Date:** 17 December 2013

**Ref. No:** Speakon Wiring for Bridge #0001

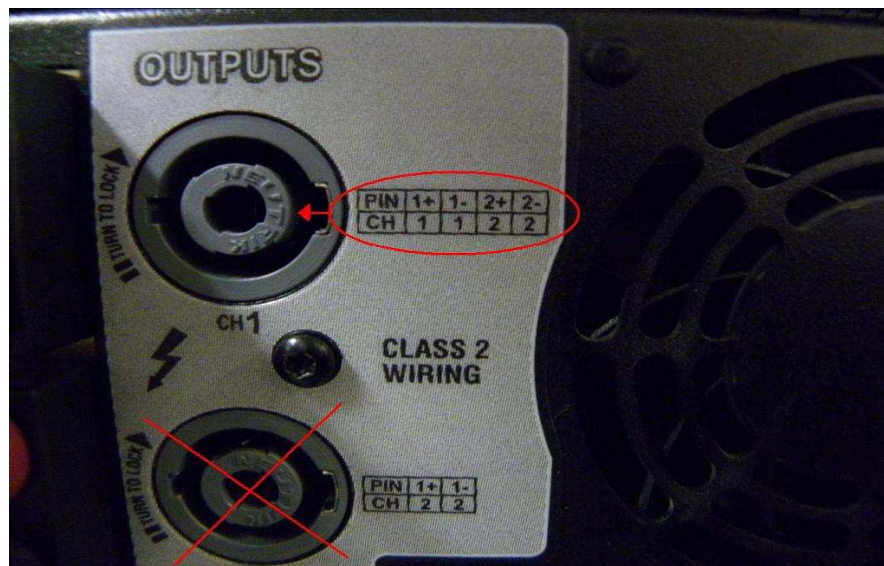
**Subject:** Making a Bridged Speakon Cable

**Applicability:** The following instructions are how to wire a speakon output connector on an amplifier for bridge mono configuration.

### Requirements:

- Neutrik Speakon NL4 connector
- Amp with Speakon output w/ 1+, 1-, 2+, 2-

Pretty much any professional power amplifier using Speakon connectors today, either Channel 1 speakon output has been designated to be wired for bridge mono, or there may be a separate speakon on ones amplifier design specifically for bridge mono use. Crown amplifiers do not have a separate speakon for bridge mono use only. In this note we are referring to Channel 1 speakon output of the amplifier wired 1+, 1-, 2+, 2-.





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1. With your NL4 connector open you will see 4 internal connections. These are referred to as 'Poles' and you have to look close but each are labeled 1+, 1-, 2+ and 2-. The picture below we tried to highlight those connections and labeled for easy identification.



2. Connect the two speaker wires to 1+ and 2+. The 1+ connection or pole is your positive to the speaker. The 2+ connection or pole will be the negative to your speaker. See picture below.





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3. Now you can close up your connector and you want to label this end of the cable that it's wired for bridge mono as the other end of the cable, if using speakon there, is wired 1+ and 1-. It's only at the amp end where the speakon would be wired 1+ and 2+

### Tech Tip

Per the above information on wiring a speakon cable for bridge mono applications, this makes that cable specific for that use only unless one keeps opening up the NL4 connector and re-wires it. A better option one can do is create a bridge mono adaptor cable. Neutrik makes a connector called the NLT4MX. Here's a link to their web site for more info and a picture below as to what the connector looks like.

<http://www.neutrik.us/website/uploads/images/08/660x/nlt4mx.jpg?v=2>





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Using the NLT4MX, a length of your speaker cable, and a NL4 Speakon connector you can create your own adaptor. You wire the NL4 Speakon as described above with your short length of speaker wire. Then at the other end you wire the NLT4MX with the wire at 1+ of the NL4 to the 1+ on the NLT4MX, the wire on the NL4 at 2+ you connect to the 1- of the NLT4MX. Now you can keep all your speakon cables wired 1+ and 1- to be used at anytime vs. cables made for a specific function. Picture below shows the adaptor created.





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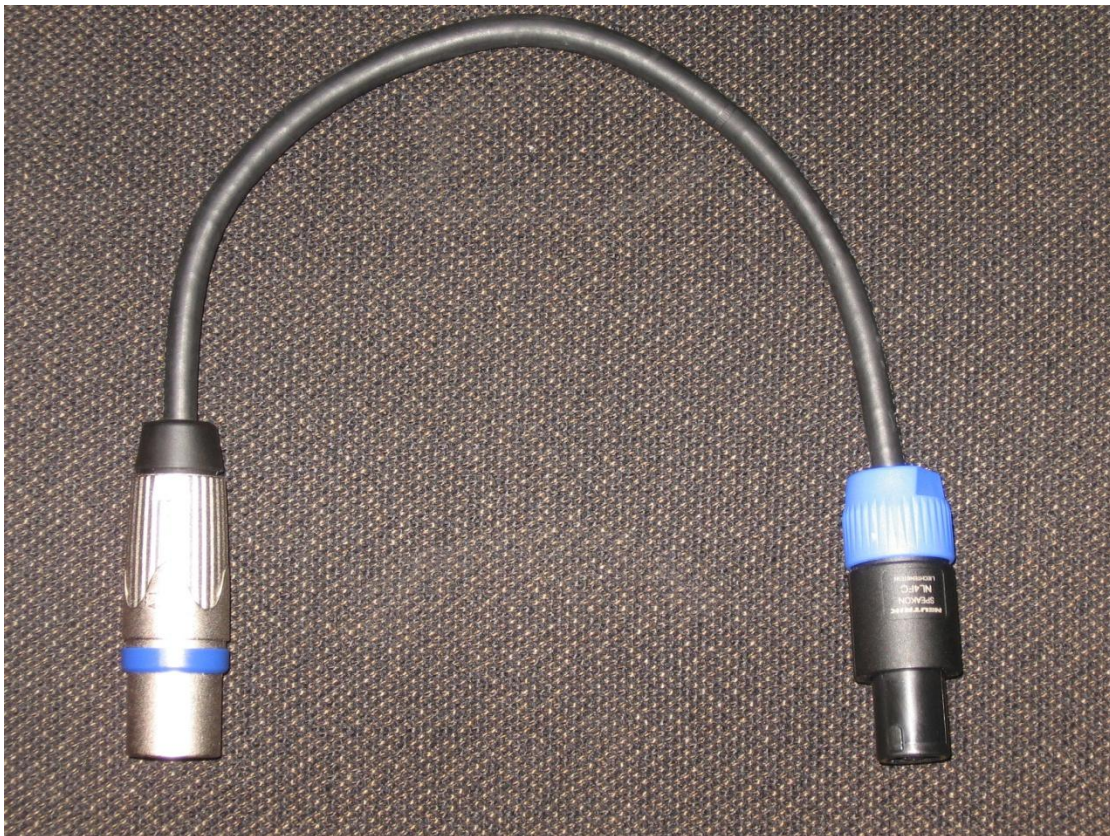
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Now you only need to store away this small adaptor vs. rolling up and storing away specific lengths and types of speaker cables.



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