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JBL SYNTHESIS SDP-40HD TRIGGER CONNECTION

SEPTEMBER 24, 2007

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Problem

The below document outlines how to use the SDP-40HD trigger outputs with the new style phoenix connector and the older style DIN connector as found on the S5165, S7150 and S800 amplifiers. The SDP-40HD is shipped with a 6 pin phoenix/Euro block connector with screw down terminals for the 3 triggers. It may be necessary to retrofit this screw down terminal with an existing amplifier or SDEC that uses the DIN connector.

Solution

If you are using the standard JBL Synthesis Interconnect Kit you will need to follow the below procedure to rework one of the existing DIN cables.

1. Cut off one end of the cable and strip back the rubber sleeve to expose the 5 wires inside the cable.
2. You will only need to connect 4 of these wires. The first 2 pairs are used for Power and Cinema triggers. The PGM 2 trigger is not used for any of the JBL Synthesis amplifiers or switching speakers. This trigger can be used but is not mandatory.
3. Using a continuity meter identify the wires from the DIN cable.
4. Connect the wires to the Phoenix connector according the below chart:

| SDP-40HD Phoenix Connector | SDP-40HD Use | DIN Connector at the Plug Side |
|----------------------------|-----------------------|--------------------------------|
| Pin 1 | Power On +12 Volts | Pin 3 |
| Pin 2 | Power On Ground | Pin 1 |
| Pin 3 | Cinema Mode +12 Volts | Pin 5 |
| Pin 4 | Cinema Mode Ground | Pin 2 |
| Pin 5 | Music Mode +12 Volts | No Connection |
| Pin 6 | Music Mode Ground | No Connection |

Wire Diagram

