JBL SYNTHESIS SDP-40HD TO AMPLIFIER TRIGGER CONNECTION

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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 new style mini-mono power trigger on the S5165, S7165 and S820 amplifiers. The SDP-40HD is shipped with a 6 pin phoenix/Euro block connector with screw down terminals for the 3 triggers. It will be necessary to fit this screw down terminal with an amplifier that uses the mini-mono connector.

What Is Needed

1. (1) Male Mini-Mono phone plug, such as Switchcraft part # 750 (solder) or # 740 (screw down); 3.5mm (1/8" /.141 inch) 2 conductor.
2. 2-conductor wire, shielded or unshielded as available and to the needed length.
3. 6-pin Phoenix block supplied with SDP40HD

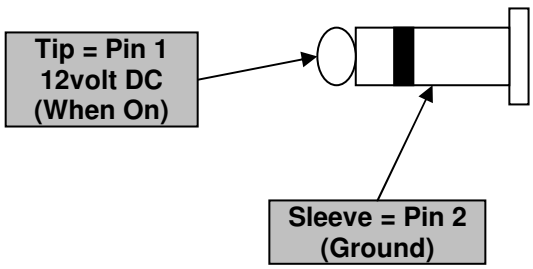
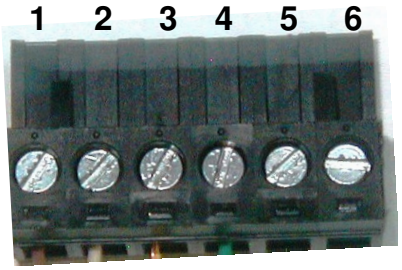
Detailed Instructions

1. The power trigger for the amplifiers only needs to connect to Pin1 and Pin2 on the SDP40HD.
2. Connect the wires to the Phoenix connector according the below chart:

SDP-40HD Phoenix Connector	SDP-40HD Use	Mini-Mono Plug
Pin 1	Power On +12 Volts	TIP
Pin 2	Power On Ground	Sleeve
Pin 3	Cinema Mode +12 Volts	No Connection
Pin 4	Cinema Mode Ground	No Connection
Pin 5	Music Mode +12 Volts	No Connection
Pin 6	Music Mode Ground	No Connection

Wire Diagram

Mini-Mono Plug Connections



Phoenix Connector Pin Numbering