

FRONT EDGE DESCRIPTION

1-6 **CHANNEL INPUT GAIN:** Sets the desired input gain of the channel. Gain is set simultaneously for both outputs.

7&8 **OUTPUT LEVEL CONTROL:** Sets the signal gain/attenuation of the active balanced output stage of output channels 1&2 respectively.

REAR PANEL DESCRIPTION

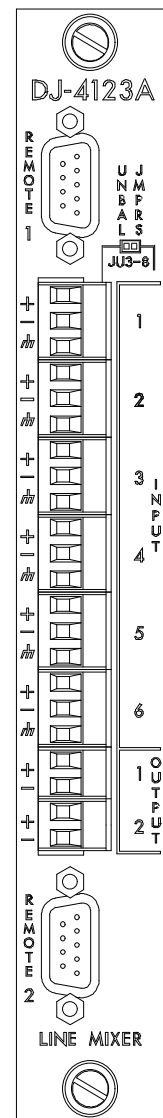
9 **CHANNEL ONE REMOTE:** The remote VCA muting and level control for output channel one are accessed via this DB-9 connector. Both outputs may have their levels controlled remotely by wiring a 10k Ω linear taper potentiometer to the wiper pin of the corresponding DB-9 connector on the rear panel. A mute only configuration can be achieved by simply grounding the wiper pin through a contact closure.

10-15 **CHANNEL INPUTS:** These are 82k Ω , electronically balanced, instrument grade, line level inputs (configurable to 41k Ω unbalanced operation via jumper setting). The input circuitry is capable of accepting signal levels up to +19dBV. Each input is provided with a three position screw clamp connector block for interconnection to external sources. With this connector there is no numerical pin designation as there are on XLR type connectors. Connections can be made as they are represented on the rear panel. The (+) symbol designates the non-inverting signal connection, the (-) input represents the inverting signal connection, and the ground symbol represents the shield or ground connection.

Note: For use with an unbalanced source, tie the signal positive to the non-inverting (+) connection, and the signal ground to the inverting (-) connection. For additional information, refer to the System 41 Installation Manual for proper wiring techniques

16&17 **CHANNEL OUTPUTS:** These are electronically balanced, low impedance, line level outputs which are the sum of all input channels selected via the Output Program controls. These outputs are suitable for driving loads of 600 Ω or more. The outputs are provided with a two position, removable screw clamp connector. The (+) symbol designates the non-inverting signal, and the (-) designates the inverting signal connection.

18 **CHANNEL TWO REMOTE:** The remote VCA muting and level control for output channel two are accessed via this DB-9 connector. Both outputs may have their levels controlled remotely by wiring a 10k Ω linear taper potentiometer to the wiper pin of the corresponding DB-9 connector on the rear panel. A mute only configuration can be achieved by simply grounding the wiper pin through a contact closure.



CIRCUIT BOARD CONTROLS DESCRIPTION

1-6 **INPUT BALANCE SELECT:** Selects each channel for balanced/ unbalanced operation.

7 **OUTPUT PROGRAM:** Selects which inputs are to be routed to the outputs according to the following scheme:

Switch	Function
1	Routes Channel 1 to Output 1
2	Routes Channel 2 to Output 1
3	Routes Channel 3 to Output 1
4	Routes Channel 4 to Output 1
5	Routes Channel 5 to Output 1
6	Routes Channel 6 to Output 1
7	Routes Channel 1 to Output 2
8	Routes Channel 2 to Output 2
9	Routes Channel 3 to Output 2
10	Routes Channel 4 to Output 2
11	Routes Channel 5 to Output 2
12	Routes Channel 6 to Output 2

8&9 **OUTPUT REMOTE LEVEL:** Enables/Disables the VCA circuitry (and therefore the remote capability) for outputs 1&2 respectively.

10&11 **DB-9 CONNECTORS:** Refer to the diagram below for the DB-9 pin configuration.

Pin	Function
1	Routes Channel 1 to Output
2	Routes Channel 2 to Output
3	Routes Channel 3 to Output
4	Routes Channel 4 to Output
5	Routes Channel 5 to Output
6	Routes Channel 6 to Output
7	Wiper
8	Voltage Reference 10VDC
9	Ground

