



Professional Sound Products

SYSTEM 41[®]
Set Up Procedure
DJ-4102
MICROPHONE MIXER

Refer to back page for Control Record.

Refer to **SYSTEM 41 Installation Manual** for general instructions on module installation and wiring.

Refer to **DJ-4102 Data Sheet** for product specifications.

PROGRAMMING OUTPUT MIXERS

Locate on component side of board 12 white mix jumpers (see Module Detail). With all jumpers in place all 4 microphone inputs and both line inputs are mixed to both outputs. Remove jumper where signal is not desired in mix. (Example: To eliminate INPUT 1 from mix A (OUTPUT 1) remove jumper 1A).

Note: Mix A feeds OUTPUT 1, mix B feeds OUTPUT 2.

100 Hz FILTERS

Locate 100 Hz bypass jumper pads (see Module Detail). Without jumpers in place, a 100 Hz 6dB/octave high-pass filter is in the microphone channel. Soldering in a jumper extends response to 20 Hz.

MICROPHONE TO LINE CONVERSION

Locate jumpers near the input transformers and move as indicated on Module Detail (inserts 23dB attenuation into input and raises impedance to 13k Ω).

Lower pre-amplifier gain to unity by removing gain resistors near transformers (see Module Detail).

PHANTOM POWERING

18 VDC is fed through the transformer center tap via a 1.8k Ω resistor near each input transformer.

Note: Remove the 1.8k Ω resistor for all input sources except powered microphones. Failure to do so can result in improper frequency response. Some powered microphones may require reducing the value of the feed resistor to maintain sufficient microphone voltage.

LINE INPUT GAIN

Line INPUTS 5 and 6 have gain programming resistors as shown in Module Detail. Gain equals $1 + 10/R$ (R in k Ω).

REMOTE CONTROL INPUT SWITCHES OPTION

See table below for subminiature connector pin numbers. A grounded control line opens respective switch.

PRE-AMPLIFIER OUTPUT

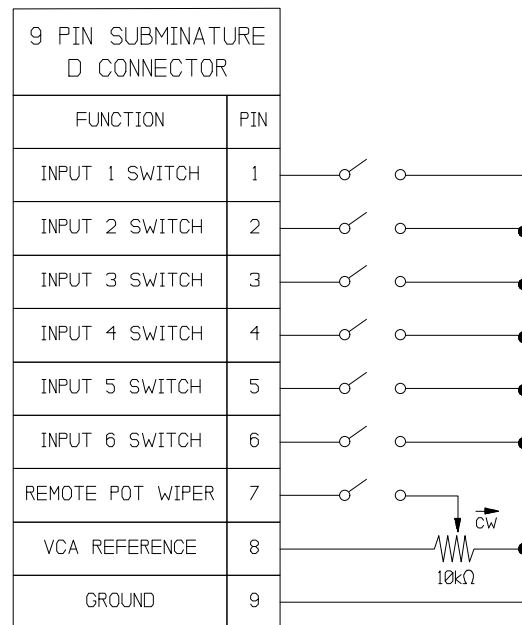
When remote control input switches are installed, pre-amplifier output may be taken after the switch if desired by moving the jumper as shown in Module Detail.

PAGE/MUTE OPTION

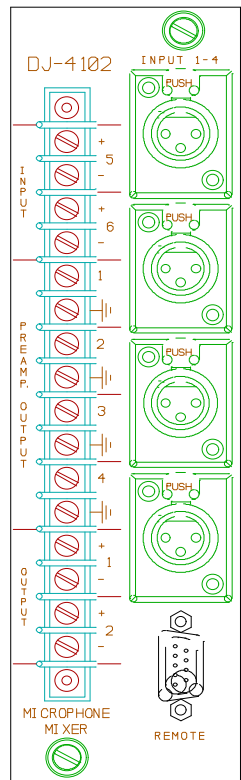
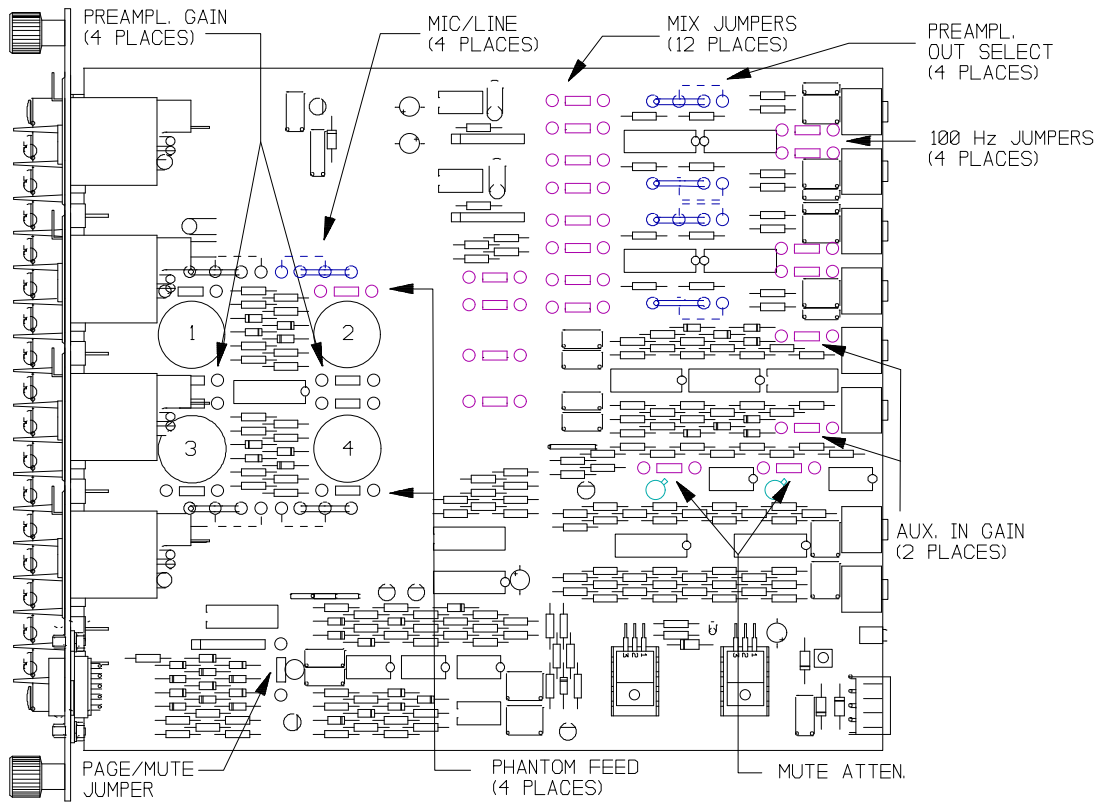
Line INPUT 6 may be used as a page input which bypasses the system mute. Mute attenuation is controlled by resistor value in positions shown in the Module Detail. Do not install the output mix programming jumpers 6A or 6B.

REMOTE LEVEL CONTROL OPTION

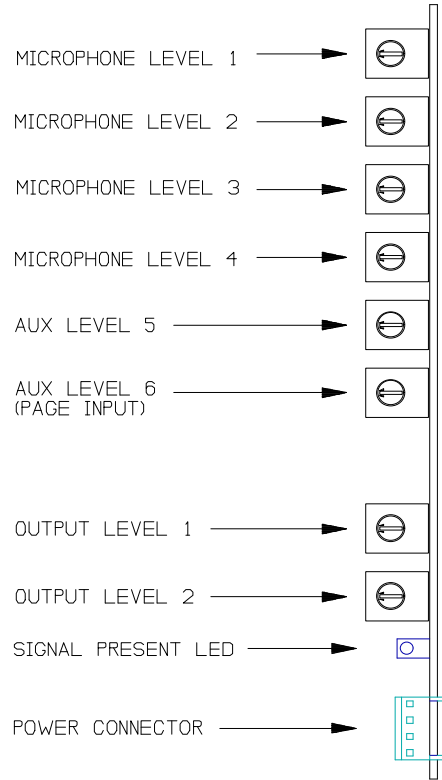
See table below for subminiature connector pin numbers. Use 10k Ω linear potentiometer. Place a SPST switch between potentiometer wiper and pin 7 if ON/OFF is required. Refer to **SYSTEM 41** Installation Manual.



MODULE DETAIL



REAR PANEL



FRONT EDGE CONTROLS

Control Record

DJ-4102

MICROPHONE MIXER

Refer to the first page for Set Up Procedure.

Record on the Documentation Panel pictorial to the right all front panel control settings. This must match the Documentation Panel in the mainframe.

100 Hz filters bypass channels _____

Mic to Line converted channels _____

Pre-Amplifier Gain reduced channels _____

Phantom Powered channels _____

MIX PROGRAMMING

Inputs to OUTPUT 1 (Mix A) _____

Inputs to OUTPUT 2 (Mix B) _____

Mainframe # _____









Module Position # _____

Contractor _____

Installer _____

Job _____

Date _____

INPUT	1
_____	N 
_____	2
_____	N 
_____	3
_____	N 
_____	4
_____	N 
_____	5
_____	N 
_____	6
_____	N 
OUTPUT	
_____	1
_____	N 
_____	2
_____	N 
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