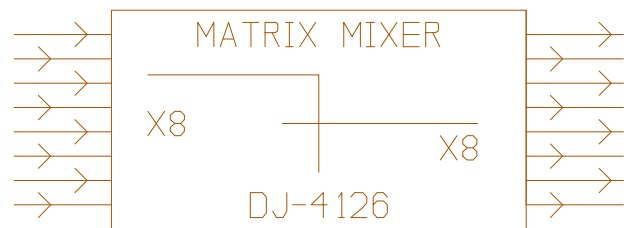


### DESCRIPTION

The DJ-4126 provides eight active balanced inputs and eight active balanced outputs. Solid state switches, controlled by DIP switches, select any or all inputs to any output.

### DESIGN SYMBOL

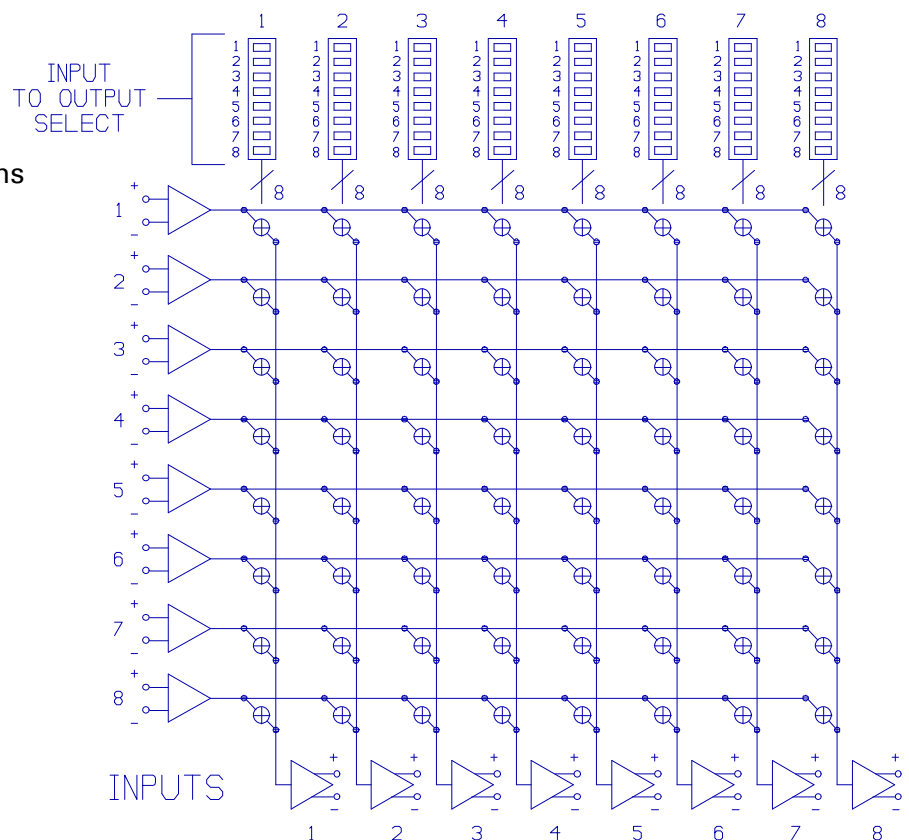


### FEATURES

- Unity gain
- Low crosstalk/feedthrough
- Ideal for Mix-Minus systems
- Clickless switching
- Five Year Limited Warranty

### FUNCTIONAL DIAGRAM

#### OUTPUT DIP SWITCHES



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## OPERATION

The DJ-4126 is equipped with 8 DIP switches. Each of these 8-position DIP switches corresponds to one of the outputs in the matrix mixer. The positions 1-8 on each DIP switch correspond to the audio inputs 1-8. The signal to each output is the mix of the inputs selected by the 8-pole DIP switch corresponding to that output.

## SPECIFICATIONS

LINE INPUT .....	Standard <b>SYSTEM 41</b> active balanced
Impedance .....	.82k $\Omega$ balanced, 41k $\Omega$ unbalanced
Maximum Input .....	+ 19dBV
LINE OUTPUT .....	Standard <b>SYSTEM 41</b> active balanced
Impedance .....	200 $\Omega$ for 600 $\Omega$ or greater load
Maximum Output .....	+ 19dBV, unloaded
GAIN .....	0dB (unity)
FREQUENCY RESPONSE* .....	+ 0dB, -0.5dB
THD* .....	Less than 0.02% @ 0dBV output
EQUIVALENT INPUT NOISE* .....	Less than -90dBV
CROSSTALK/FEEDTHROUGH .....	Less than -70dB @ 1 kHz
CURRENT CONSUMPTION .....	100 mA
MODULE SPACE .....	Two units, 2.4 inches wide

\* Measured over a 20 Hz - 20 kHz bandwidth

## ARCHITECT'S SPECIFICATIONS

A matrix mixer shall provide eight active balanced inputs and eight active balanced outputs. Each output mix shall be independently selectable to include any or all inputs. All switches shall be solid state and be activated by DIP switches. Audible clicks shall not occur when switch settings are changed. Gain shall be unity. Feedthrough of non-selected inputs and crosstalk between outputs shall be attenuated by greater than 70dB at 1 kHz. Equivalent input noise shall be -90dBV or less, 20 Hz to 20 kHz. THD shall be less than .02% at 0dB, 20 Hz to 20 kHz. The outputs shall be monitored by a signal present LED. The matrix mixer shall mount in and be powered by the IRP Model DJ-4100, DJ-4101, or DJ-4150 mainframe. The matrix mixer shall be the IRP Model DJ-4126, 8 x 8 Matrix Mixer.

## ORDERING INFORMATION

Specify: DJ-4126, 8 x 8 Matrix Mixer