

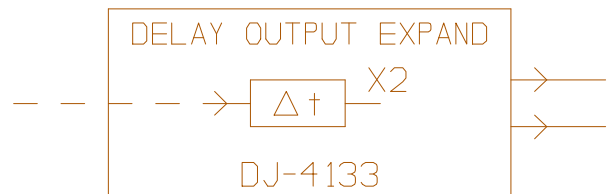
### DESCRIPTION

The DJ-4133 Audio Signal Delay Output Expand provides two independently delayed outputs selectable in 1.0 millisecond steps to 255 milliseconds maximum. Dynamic range exceeds 100dB. Frequency and power responses extend to 20 kHz.

The DJ-4133 is digitally linked to the DJ-4132, DJ-4135, or DJ-4139 delay modules enabling indefinite expansion of outputs with no noise accumulation. To extend the delay duration see the DJ-4134 data sheet.

An optional Remote Select of Pre-Set Delay allows four different delay settings to be stored for each output. Remote contact closures independently select the preset delay for each output. See DJ-4133-1 Data sheet.

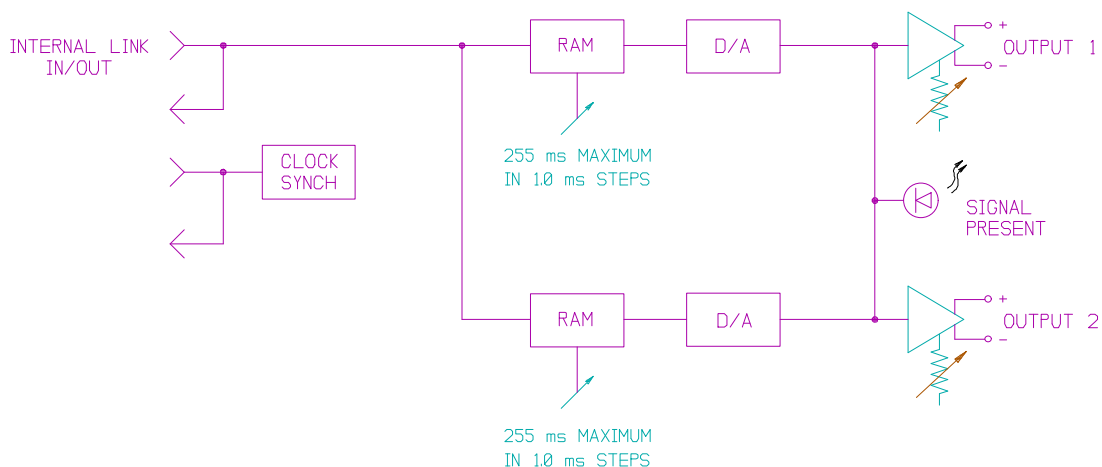
### DESIGN SYMBOL



### FEATURES

- Adjustable in 1.0 millisecond steps
- Active balanced outputs
- Greater than 100dB dynamic range
- 20 kHz bandwidth
- Indefinite output expansion
- Output level controls
- Signal present LED
- Digital linking

### FUNCTIONAL DIAGRAM



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## SPECIFICATIONS

DIGITAL INPUT .....	Internal; 2.048 MHz Data/8.192 MHz clock
LINE OUTPUT .....	Standard <b>SYSTEM 41</b> active balanced
Impedance .....	200Ω for 600Ω or greater load
Maximum Output .....	+ 19dBV unloaded
OUTPUT GAIN .....	Adjustable; attenuate only; 0dB maximum
FREQUENCY RESPONSE* .....	+ 0dB, -3.0dB
THD + NOISE* .....	Less than 0.1% @ 1 kHz/0dBV
NOISE* .....	Less than -83dBV, 0dBV output attenuation; -93dBV, -10dB output attenuation
DYNAMIC RANGE* .....	Greater than 100dB
DELAY .....	Adjustable in 1.0 millisecond steps to 255 milliseconds maximum
TRANSIT TIME .....	Retains 24 μs (A/D/A conversion delay) from analog input to analog output
CURRENT CONSUMPTION .....	90 mA
MODULE SPACE.....	One unit, 1.20 inches

\* Measured over a 20 Hz - 20 kHz bandwidth

## ARCHITECT'S SPECIFICATION

The Audio Signal Delay Output Expand shall provide two outputs. Each shall be independently selectable in 1.0 millisecond steps to 255 milliseconds maximum. Delay shall be set via two 16 position switches; the first switch shall have increments of one millisecond, and the second switch shall have increments of 16 milliseconds. A digital link shall prevent noise accumulation and provide for expanding the number of outputs and/or extending the maximum delay duration. Outputs shall be active balanced with level controls provided. The output signal shall be monitored by a signal present green LED. Frequency response shall be 20 Hz to 20 kHz + 0, -3dB. Noise shall be less than -83dBV measured with a 20 kHz unweighted filter. The expansion outputs shall mount in and be powered by the IRP DJ-4100, DJ-4101, or DJ-4150 mainframe. The expansion outputs shall operate with the IRP model DJ-4132, DJ-4135, or DJ-4139 delay modules. The expansion outputs shall be the IRP model DJ-4133.

## ORDERING INFORMATION

Specify: DJ-4133, Audio Signal Delay Output Expand

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.