

CinemaAcoustics ENGINEERING NOTES

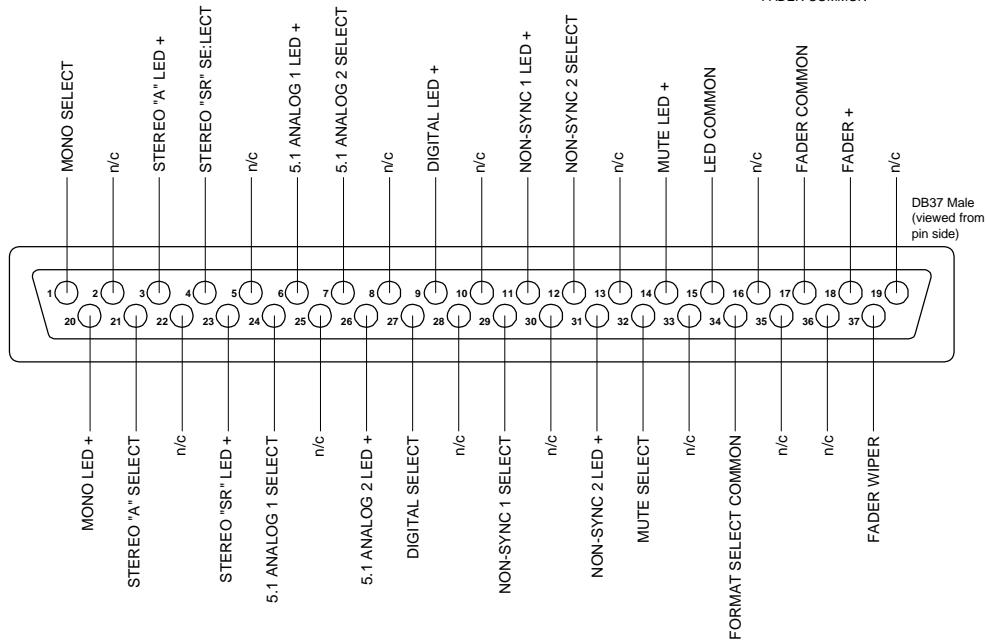
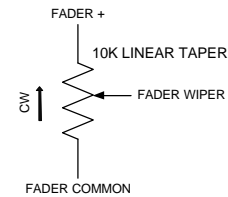
Note 003, 1 May 98

USING THE CA-DP300 DP WITHOUT THE CA-M300 MONITOR/CONTROLLER

The CA-DP300 Digital Processor is the digital component of the CA-CP600 Digital Cinema Processor. The CA-DP300 can be used in stand-alone applications where the CA-M300 may be redundant or unnecessary. User-supplied Format Select and Mute switches can be connected to the CA-DP300 rear panel automation connector, or at the DB37 Control connector. Format and Mute Indicator LEDs can also be connected to this connector. At a minimum, the House fader must be supplied by the user and connected to the Control connector.

The pin-out for the DB37 Control connector is shown in the figure below. Formats are selected by momentarily shorting the desired Format Select pin to the Format Select Common. LEDs can be driven without need for user-supplied current limit resistors by attaching the anode of the LED to the desired Format LED + pin and the cathode to the LED Common pin. The LED drive points may also be used for control system monitoring of the cinema processor's state. The voltage source at each LED drive pin, provided within the CA-DP300, is +5VDC with 220 Ω in series.

The House Fader should be connected as shown in the adjacent figure. Center detent potentiometers are recommended.



CA-DP300 / CA-M300 CONTROL CONNECTOR

For more information contact:

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