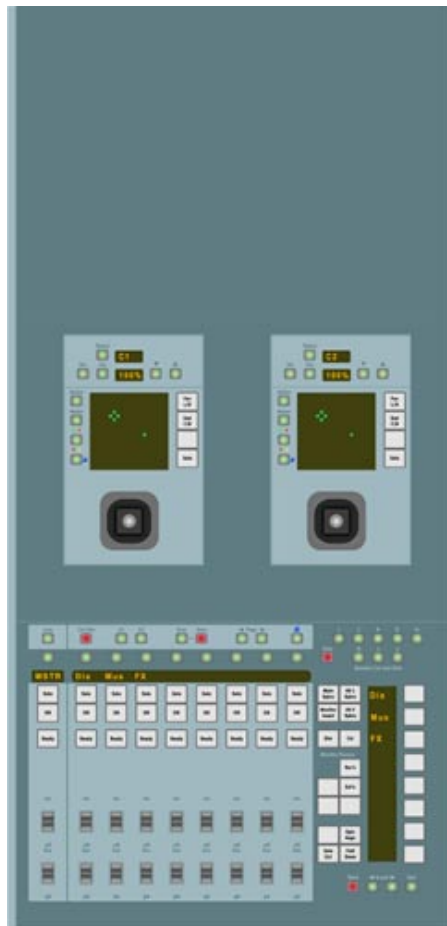


Euphonix System 5

CM403 Module

Installation Guide

Document Revision: 1.1
eMix Version: 2.5 and higher
Release Date: January, 2002



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CM403 Module

The CM403 uses the same form factor and architecture as a standard control module (CM401, 402, 408). A single Ethernet port connects the module to the system via the 100 BaseT Eucon switch. The CM403 houses a TFT and fits three panels of the same size: Film Post and the Dual-Joystick Panels. The Film Post panel can be placed above or below the Joystick Panel depending on the preference of the operator. The user has the option of placing their own motion controller, such as a JSK Engineering Inc. P2 Control Head or Soundmaster ION™, into the spare panel.

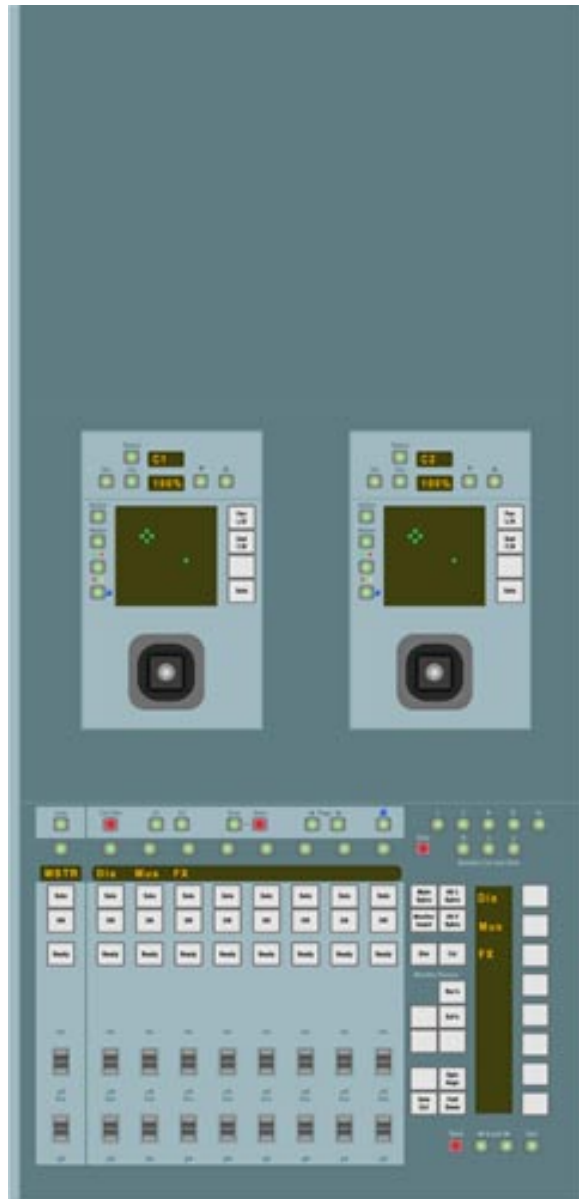


Figure 1: CM403 Module with Film Post Panel and Joysticks

ID selection

Up to four CM403 modules can be installed in a System 5 console. Set the ID switches on the back panel of the module according to Table 1:

Table 1 CM403 ID Switch Settings

CM403 #	Frame ID	Module ID	Position # in eMix
1	1H	13	1–29
2	1H	14	1–30
3	1H	15	1–31
4	1H	16	1–32

NOTE: In a dual-operator console, **all** CM403 modules are connected to the **master** console, which is used for monitoring and record control.

External Record Control

The **Euphonix EXT** 25-pin connector on the rear panel of the CM403 accepts two external closures:

Table 2

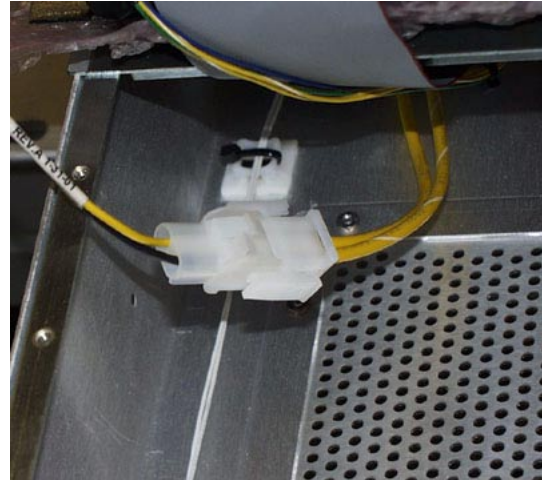
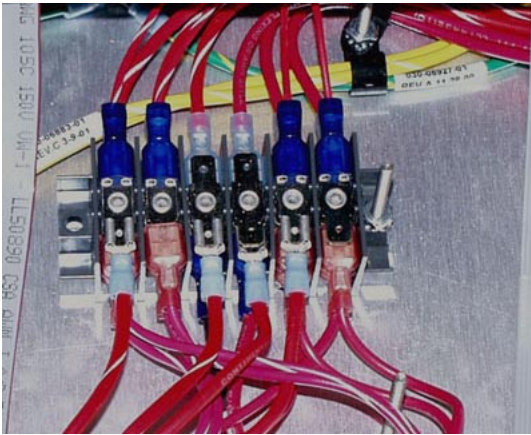
Function	Switch Input	+5 V
Record In	Pin 25	Pin 13
Record Out	Pin 11	Pin 13

The +5V output on the connector is internally protected by a 200 mA self-resetting fuse. The active-high switch inputs are TTL-level inputs with 100 K pull-down resistors.

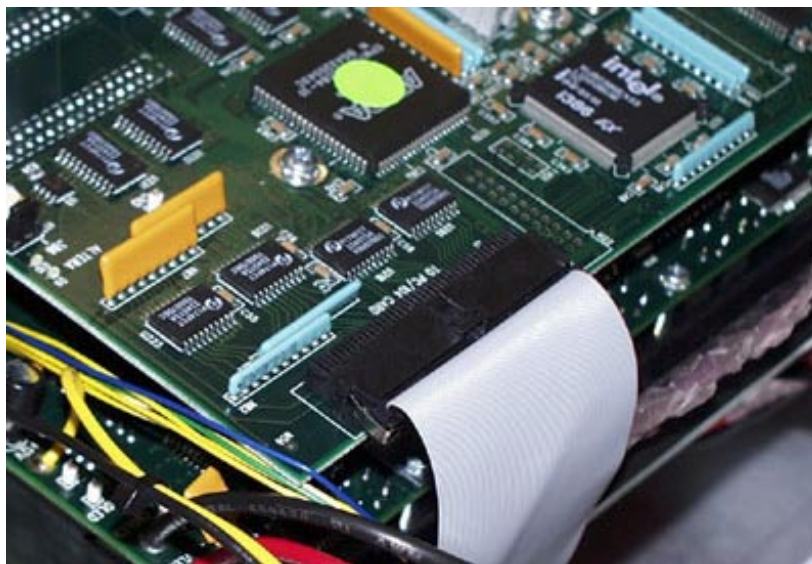
Film Panel Installation

NOTE: Each instruction pertains to the picture beneath its text.

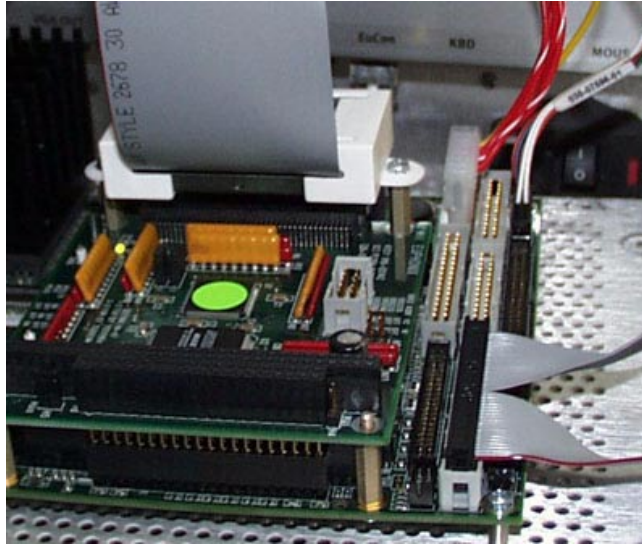
Connect the 5-V power cables (red) from the Film Panel to the header block on the bottom of the module. Be sure to maintain correct polarity (red/white stripe is negative). Connect the 12-V power connection to the mating connector coming from the PSU.



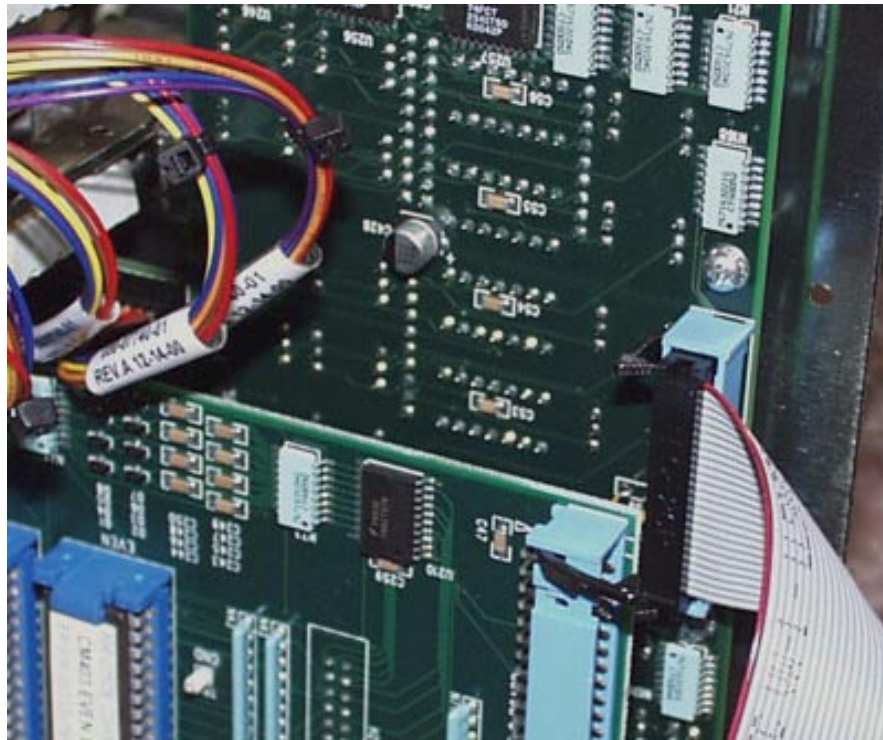
Connect the PC104 cable to H26 on the Film Panels 386 board.



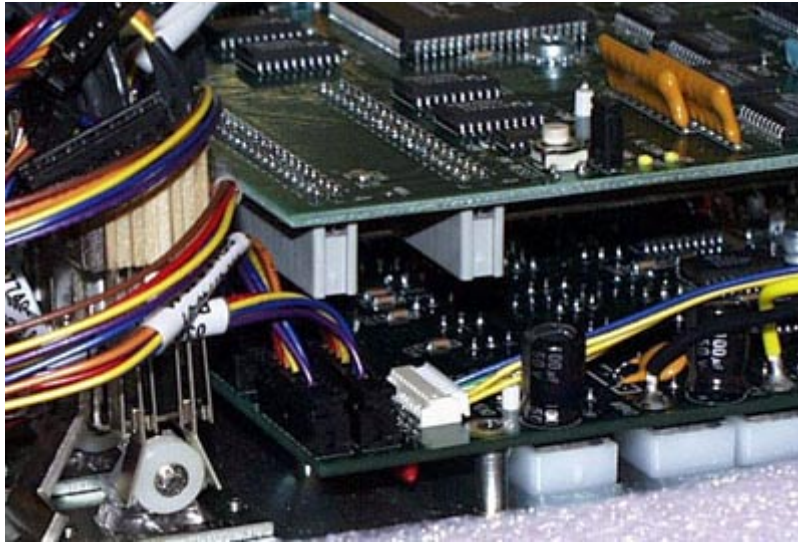
Connect the opposite end of the PC104 cable to the PC104 card on the SBC (Single Board Computer) mounted on the rear ventilation panel of the module. Secure the RF choke as shown above.



Connect the Euphonix Ext cable (25-pin D-sub on the rear panel) to H103 on the upper board of the Film Panel.



Connect the TFT backlight cable to the connector on the upper board of the film panel.



Joystick Panel Installation

Connect the 5-V power cables (red) from the Joystick to the header block on the bottom of the module. Be sure to maintain correct polarity (red/white stripe is negative). See the photo in Film Panel Installation. Connect the serial cables from the 9-pin connectors on the rear panel of the CM403 to the headers on the joystick PCBs. Attach two serial cables between the external CM403 9-pin joystick ports and the adjacent CM408 9-pin serial ports.

