SC-4 Connection Guide
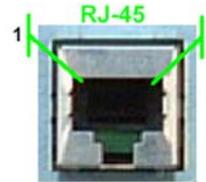
8)U-Net Terminators supplied with SC-4 system. All 8 U-Net ports MUST be terminated either at the control panel or on the SC-4 rear panel.
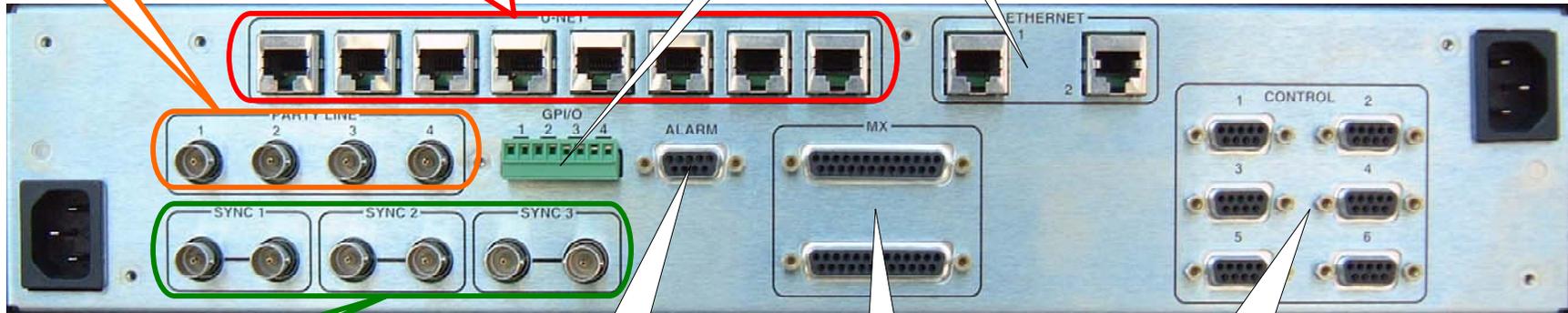
SC-4 is connected via CAT-5 cable to the control system network, Hub or ethernet panels. Use port 1. See System Installation Guide, section 1 for instruction on setting the IP address.

RJ-45
1   8

4)Partyline connectors connect to Partline control panels via typical coaxial connection. No termination required.

8)U-Net connectors are attached to U-Net based control panels via a typical CAT-5 cable and terminated with the supplied U-Net terminators. Maximum cable length of 1000 feet per port.

Not used

5   1
9 Pin
9   6

A maximum of 3 sync sources may be connected to the loop thru Sync Connectors. Sync source must be analog black burst or analog tri-level sync. DO NOT connect SDI reference signals.

Alarm connectors

Alarm Pin Out

1 - ALM0
2 - ALM1
3 - ALM2
4 - ALM3
5 - SMPTE0
9 - SMPTE1
6,7,8 - GND

MX-Bus connects to MX bus connections on router frames. Both ports must be terminated, either on the SC-4 or router chassis. Total maximum length of 300 feet.

Serial ports are used for RS-232 or RS-422 interface. Format is jumper selectable.

Serial Port Pin Outs

	RS-232	RS-422
1 -	NA	N/A
2 -	TXD	TX-
3 -	RXD	RX+
4 -	NA	N/A
5 -	GRD	GND
6 -	NA	N/A
7 -	NA	TX+
8 -	NA	RX-
9 -	NA	N/A

Serial Port Defaults
Ports 1,3 & 5
38.4 Kbaud, 8 data, 1 stop, No Parity, Indexed
Ports 2,4 & 6
19.2 Kbaud, 7 data, 2 stop, Even, Numeric

Select RS-422 or 232
Remove SC-4 from frame. Locate serial port jumper blocks on left-rear area of SC-4. Move jumper, for each port, to desired selection.

MX-Bus Terminator

MX-Bus Cable

Note: "READY" LED's illuminates only when 2)SC-4's are installed and then only after the 2 cards are fully synchronized.

SC-4 Reset Switch - use CAUTION Ensure that System Ready LED is illuminated on both cards, before activating.

RJ-45

ACTIVE
SMPTE ALARM
PS-1 FAIL
PS-2 FAIL
READY

System

5V FAIL
BAT FAIL
1.8V FAIL
12V FAIL
3.3V FAIL
POWER OK

Power Supply

Power Supply LED's

SC-4 Change over switch. CAUTION Ensure that System Ready LED is illuminated on both cards, before activating.

System LED's

LINK
ACTIVITY
ENET #1

LINK
ACTIVITY
ENET #2

Sync A
Sync B
Sync C

Sync

Debug port. Use supplied RJ-45 to 9 pin adapter and user supplied CAT-5 cable. Terminal emulation, using Hyperterminal or TeraTerm, is set to: 19,200 baud, 8N1, no flow control

RJ-45 Adapter

Ethernet Port's 1&2 LED's

Sync LED's

Power Supply LED's

Alarm
Fan
Temp
-12
+12
+3.3
+5

Power Supply LED's

+5
+3.3
+12
-12
Temp
Fan
Alarm

Power Supply

SC-4 Slots System may have redundant SC-4 installed

24 Character Monitor Display

Display Scroll Up Button

Display Scroll Down Button

Display Edit Control Button

Power Supply