Dual RIO 64 X 64 Routing System

The Dual RIO Routing System is configured for up to 64 Input and 64 Output operation. The Master chassis provides I/O 1-32. The Slave chassis provides I/O 33-64. The Master chassis requires a jumper to be installed on DB25 connector J1502 between pins 13 and 25. The Master chassis communicates with the Slave chassis over the RIOLink Cat5 cable. This cable (provided) is a special 'crossover' cable with Pair 1 (pins 1,2) and Pair 4 (pins 7,8) cross-connected. When the two chassis' are first connected the RIO Link light will blink to indicate data exchange. After about a 2 minute initialization the Link light will stop blinking and will remain On, steady state. The Master light will be illuminated on the Master chassis and will be extinguished on the Slave chassis. (Note – the Slave will illuminate the front panel Master light until it receives communication from the Master chassis).

The computer interface connects to the Master chassis RS-232 A, J1702. The provided computer software includes:

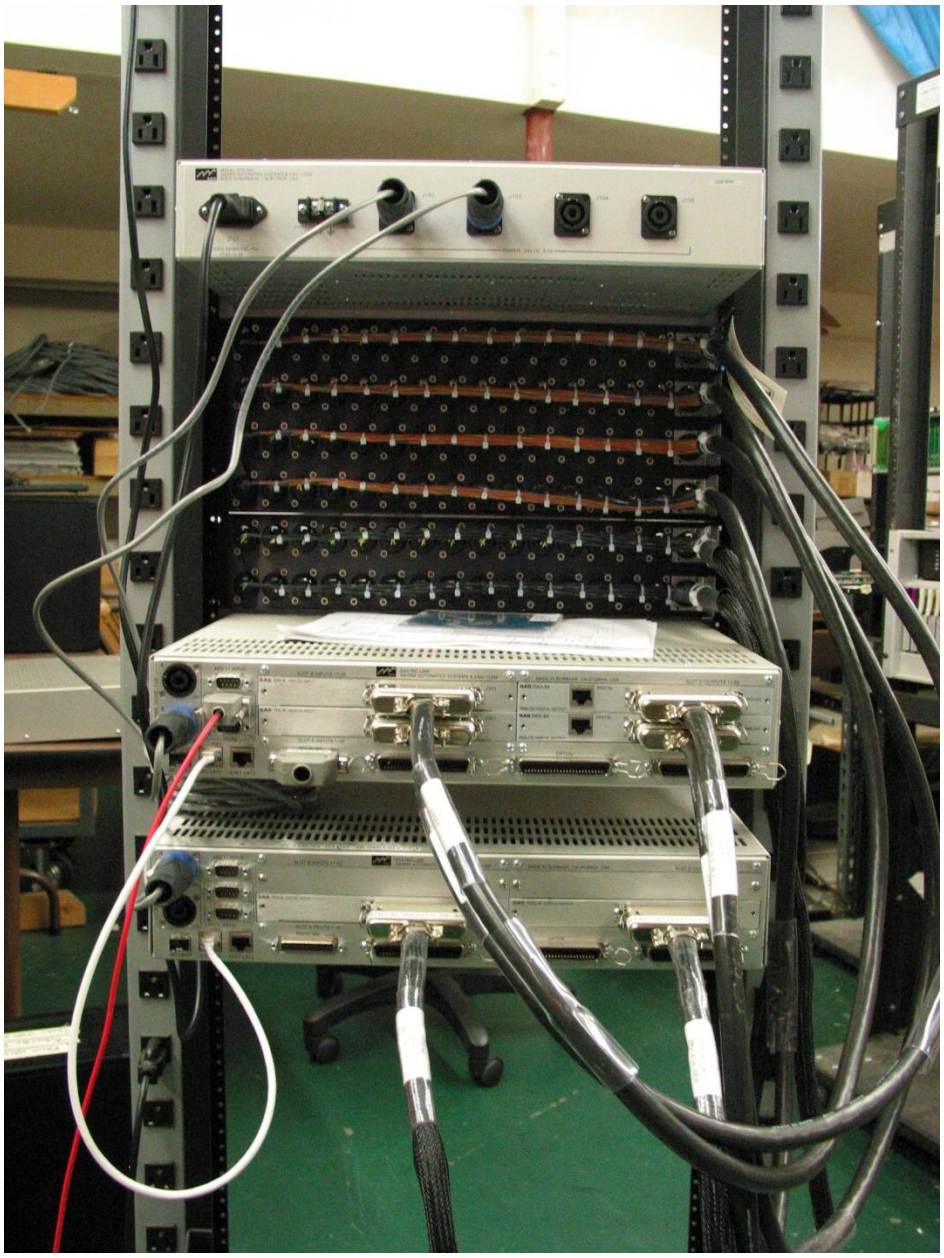
1) SAS Server Module, which provides communication between the computer and the router via RS-232.
2) SAS Router Control Software (RCS), which provides the graphical user control and programming interface. The SAS RCS communicates to the SAS Server Module via TCP/IP.
3) SAS Automation Module, which can provide PC based automation. The automation program also communicates to the SAS Server Module via TCP/IP.

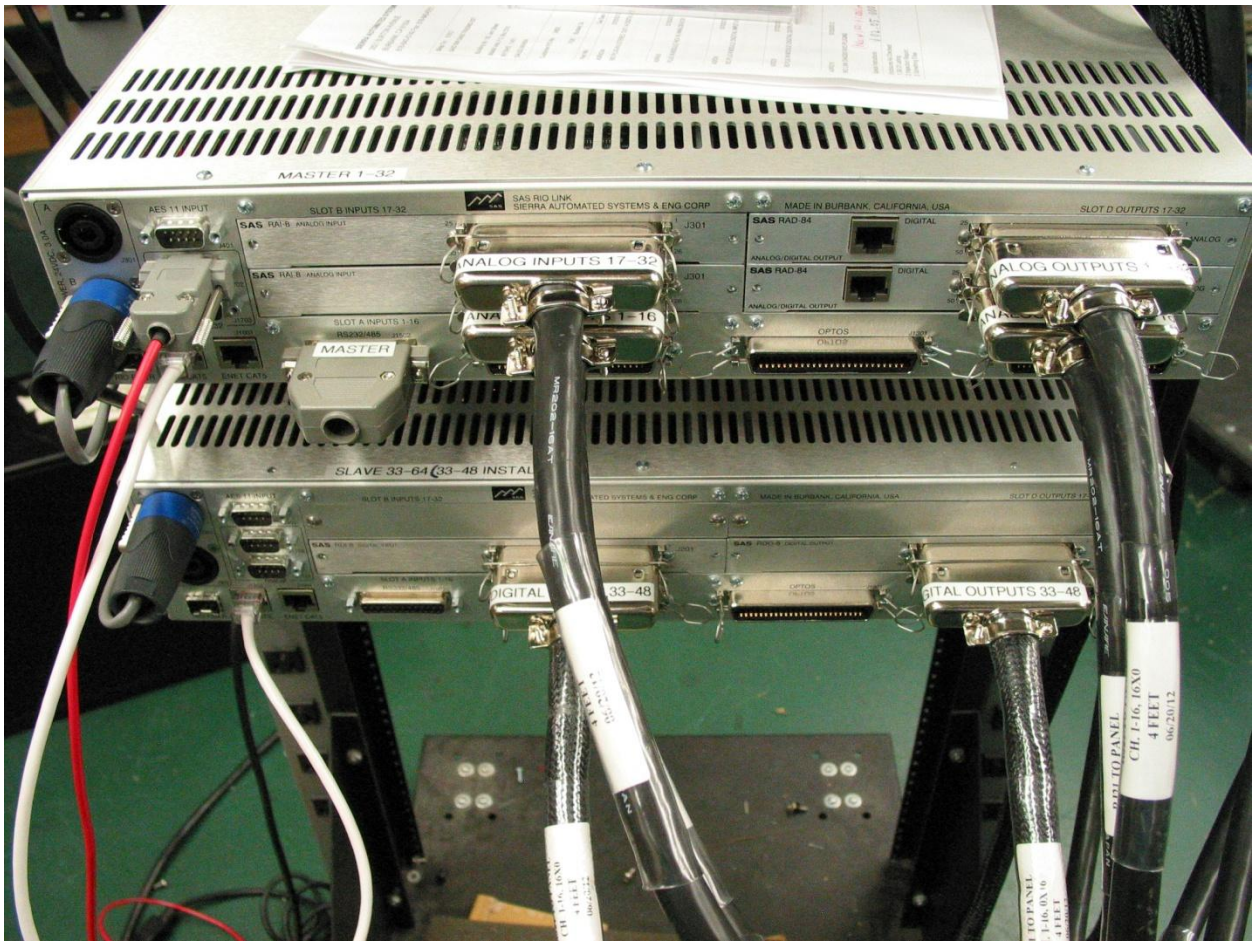
See the attached document, RIO Control Interfaces and Protocols.

For RCS operational help, see the 32KD Manual, found at

http://www.sasaudio.com/downloads/SAS Documentation


rubicon
Power
RIOLink
RIOLink




MASTER 1–32
AES 11 INPUT
SLOT B INPUTS 17-32
SAS RIO LINK
SIERRA AUTOMATED SYSTEMS & ENG CORP
MADE IN BURBANK, CALIFORNIA, USA
SLOT D OUTPUTS 17-32
SAS RAD-84
DIGITAL
ANALOG/DIGITAL OUTPUT
ANALOG INPUTS 17–32
ALOG OUTPUTS
SLOT A INPUTS 1-16
RS232/485
MASTER
OPTOS
SLAVE 33–64 (33–48 INSTAL
DIGITAL
33–48
ITAL OUTPUTS 33–48
MRSOB-1EAT
PATCH PANEL
CH. 1-16, 16X0
4 FEET
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