Product Type: Controllers

Aries® *to ASC/3 Direct Connect Settings*

Reference: AN2070A
Date: 19 September 2007

This Application Note tells you how to make a direct serial connection between an **ASC/3** Controller and **Aries**®.

On the ASC/3 Controller

- Use PORT 2 or PORT 3A
- Set the Protocol to NTCIP
- Set the Baud Rate to the same Baud Rate as **Aries**®
- Set the Port Protocol Parity to 8, N, 1
  NOTE: These are NOT the same settings as the **Aries**® Comm Server
- Set the Comm Port Address to 1
  NOTE: Make sure that you set this address to 1.
- Use a Null Modem Cable (refer to the illustration below)

In Aries®

- Set the Baud Rate
- Set the Channel to Parity 7, E, 1
  NOTE: These are NOT the same as the **ASC/3** Port Settings

Serial (RS232) null modem cable (DB9-DB25). Pinout and signals for building a serial (RS232) nullmodem cable

Use this cable between two DTE devices (for instance two computers).

DB9 pin D-SUB female to PC1

DB25 pin D-SUB male to PC2
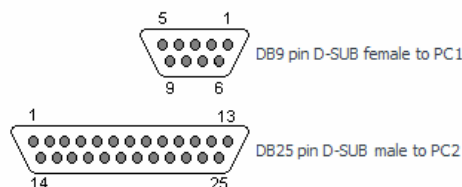
	DB9	DB25	
Receive Data	2	2	Transmit Data
Transmit Data	3	3	Receive Data
Data Terminal Ready	4	6+8	Data Set Ready + Carrier Detect
System Ground	5	7	System Ground
Data Set Ready + Carrier Detect	6+1	20	Data Terminal Ready
Request to Send	7	5	Clear to Send
Clear to Send	8	4	Request to Send

Note: DSR & CD are jumpered to fool the programs to think that they are online.

You can use **Aries**® and an **Autoscope**® Null Modem Cable to communicate with the **ASC/3** via PORT 3A, but that cable will NOT operate with PORT 2. However, if you use a Standard RS232 Cable and a Null Modem Adaptor, this mixture of cables can communicate with one of the two ports: PORT 3A or PORT 2. You can also build the custom cable shown above.

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Aries® uses NTCIP protocol with 8 bits to communicate with an **ASC/3** Controller. Because **Aries®** may use a communications channel to connect to both an **ASC/3** and controllers made before the **ASC/3** (for example, an **ASC/2**), you MUST set the communications channel of these other controllers to 7 bits with parity. When **Aries®** communicates with an **ASC/3**, it overrides the framing to 8 bits no parity.

For further information, contact Econolite Technical Support
800-225-6480x457 / 714-630-3700x457 / support@econolite.com

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