

**SIMPLWINDOWS NAME:** Gentner AP400 1-way matrix routing (no feedback)

**CATEGORY:** Conferencing

**VERSION:** 1.0

**SUMMARY:** Controls matrix routing without feedback

**GENERAL NOTES:** The AP400 operates on a Gentner G-Link bus. Multiple AP units could be placed on the same bus. Each different device on the bus will have a unique unit ID. The module requires a unit ID as the first input. The unit ID has to be the HEX representation of the Unit ID. For example, for a unit ID of 0, the correct input on the module would be 30H. For a unit ID of 1, the correct input on the module would be 31H.

The module operates as follows:

1. Choose the input to be routed
2. Put a high signal on any outputs that the input should be routed to.  
Press SWITCH. This will route the selected input to all outputs which had a high signal. It will also unroute the selected input from any outputs that did not have a high signal on them.
3. unroute the selected input from any outputs that did not have a high signal on them.

**CRESTRON HARDWARE REQUIRED:** CNXCOM, ST-COM

**SETUP OF CRESTRON HARDWARE:** Tested and verified at the following settings:

Baud Rate -38400  
Parity - None  
Data Bits - 8  
Stop Bits - 1

RTS and CTS enabled

**VENDOR FIRMWARE:** Version 2.00

**VENDOR SETUP:** The AP400 serial port settings can be changed. Correct operation was verified when the following RS232 settings were used:

Baud Rate - 38400  
Enable Modem - Off  
Flow control - On

**CABLE NUMBER:** CNSP-141

**CONTROL:**

<b>UNIT-ID-HEX</b>	P	Hex version of AP400's unit ID. For ID 0, use 30H. For ID 1, use 31H
<b>IN-*</b>	D	A separate input for each possible input on the AP400
<b>OUT-*</b>	D	A separate input for each possible output on the AP400. These inputs must be maintained high or low when a switch is executed
<b>SWITCH</b>	D	Routes the selected input to any outputs with a high signal on them

## FEEDBACK:

**AP400-TX\$**            S            Serial data string to be routed to a CNXCOM,  
ST-COM, CNXCOM

**.UPZ FILE USED FOR TESTING:**    50405x.upz  
**COMPILER USED FOR TESTING:**    SimplWindows Version 1.22  
**SAMPLE PROGRAM:**                GAP4TST1  
**REVISION HISTORY:**                AP40X1WA - Original