

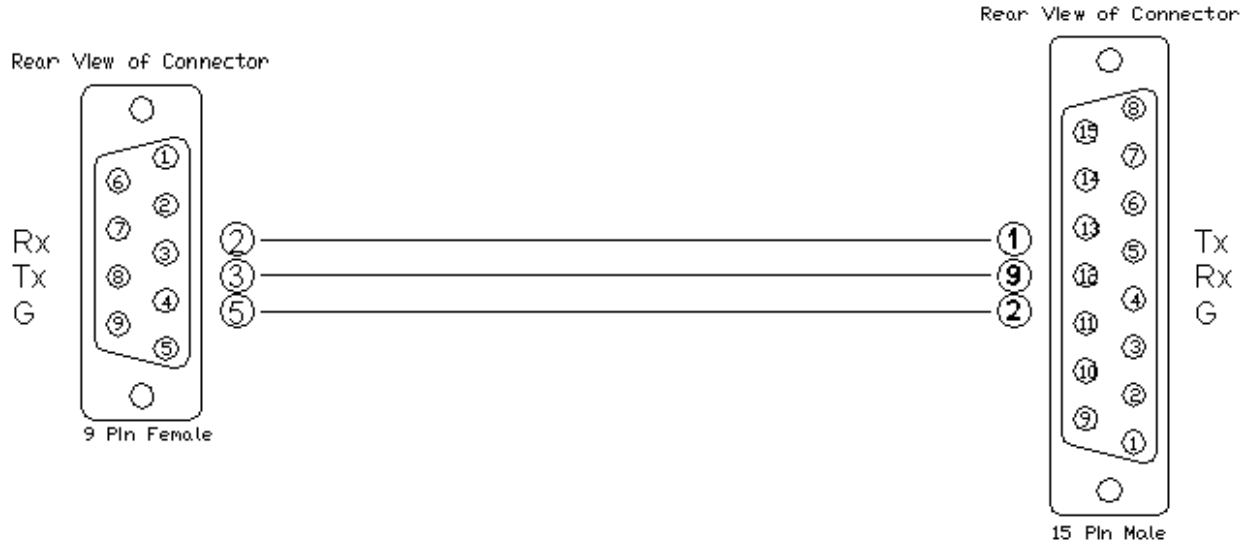
**Partner: 3M**  
**Model: SCP716**  
**Device Type: Video Projector**



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	3M SCP716 v1.0
<b>CATEGORY:</b>	Projector
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module will control the 3M SCP716 projectors via RS-232
<b>GENERAL NOTES:</b>	<p>This module will control the 3M SCP716 projector. True feedback is provided for power, inputs, mutes, volume, aspect, freeze mode and picture settings. When any command is sent to the projector, it will acknowledge that the command was processed properly and the corresponding feedback will be reflected. If it is desired to poll the projector for the changes made using the IR remote control, or by the controls on the projector itself, you can assert the Poll_Enable input. When this input is high, the projector will be polled continuously to determine the state of power, inputs, mutes, volume, aspect, freeze mode, picture settings and elapsed lamp hours.</p> <p>Typically, you could enable the polling option when the projector's particular control page is active and displayed on a touch panel. You would then disable polling at other times.</p> <p>This module was tested using the SCP716 without the I/O module. This requires a 9-pin male to 15-pin female cable for control. Not all inputs are available using this configuration.</p> <p>This module is System Builder compatible.</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	C2I-COM, ST-COM, C2-COM-* or CNX-COM2
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 9600 Parity: None Data Bits: 8 Stop Bits: 1
<b>VENDOR FIRMWARE:</b>	Unknown
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	CUSTOM

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### CONTROL:

<b>Power_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn the projector on and off.
<b>Input_*</b>	D	Pulse to select the desired input.
<b>Aspect_*</b>	D	Pulse to select the desired aspect.
<b>Volume_&lt;Up/Down&gt;</b>	D	Press to adjust volume level.
<b>Mute_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn audio mute on and off.
<b>Blank_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn blank mode on and off.
<b>Freeze_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn freeze mode on and off.
<b>Contrast_&lt;Up/Down&gt;</b>	D	Press to adjust the contrast.
<b>Brightness_&lt;Up/Down&gt;</b>	D	Press to adjust the brightness.
<b>Poll_Enable</b>	D	Hold high to enable polling. When high, the screen will be continuously polled for its general settings.
<b>From_Device</b>	S	Serial signal to be routed from an RS-232C port

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**FEEDBACK:**

<b>Power_Is_&lt;On/Off/Busy&gt;</b>	D	High to indicate the current power state.
<b>Input_Is_*</b>	D	High to indicate the current input selected.
<b>Aspect_Is_*</b>	D	High to indicate the current aspect selected.
<b>Volume_Gauge</b>	A	Analog value indicating current volume level.
<b>Mute_Is_&lt;On/Off&gt;</b>	D	High to indicate the current audio mute state.
<b>Blank_Is_&lt;On/Off&gt;</b>	D	Analog value indicating current volume level.
<b>Freeze_Is_&lt;On/Off&gt;</b>	D	High to indicate the current audio mute state.
<b>Contrast_Gauge</b>	A	Analog value indicating current contrast.
<b>Brightness_Gauge</b>	A	Analog value indicating current brightness.
<b>Lamp_Hours</b>	A	Analog decimal value indicating the current lamp hours.
<b>To_Device</b>	S	Serial data signal to be routed to a 2 way com port.

**TESTING:**

<b>OPS USED FOR TESTING:</b>	v4.001.1012
<b>SIMPL WINDOWS USED FOR TESTING:</b>	2.11.18
<b>DEVICE DB USED FOR TESTING:</b>	20.10.005.00
<b>CRES DB USED FOR TESTING:</b>	20.05.021.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	608
<b>SAMPLE PROGRAM:</b>	3M SCP716 v1.0 Demo PRO2
<b>REVISION HISTORY:</b>	v1.0