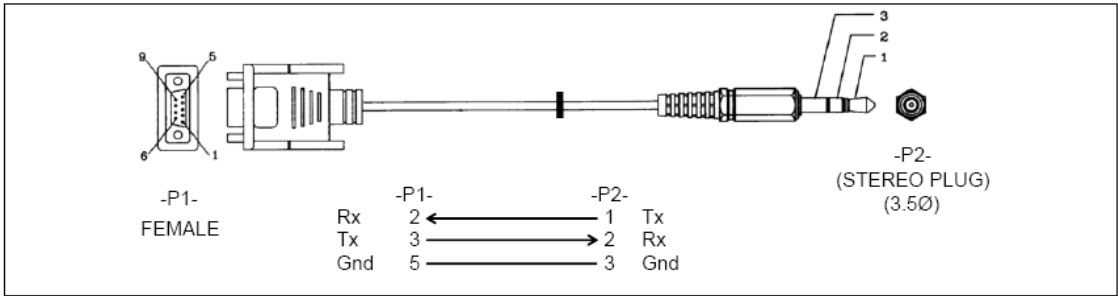


**Partner: Samsung**  
**Model: D400S**  
**Device Type: DLP Projector**



**GENERAL INFORMATION:**

<b>SIMPLWINDOWS NAME:</b>	Samsung D400S v1.0.umc																				
<b>CATEGORY:</b>	Video / Data Projector																				
<b>VERSION:</b>	v1.0																				
<b>SUMMARY:</b>	This module allows controlling the Samsung Video/Data Projector D400S through RS-232.																				
<b>GENERAL NOTES:</b>	This module allows controlling the Samsung Video/Data Projector D400S through RS-232. The module can return feedback from the projector on Projector and Lamp hours, Power status and Input Mode.																				
<b>CRESTRON HARDWARE REQUIRED:</b>	2-Series processor with a RS-232 connection.																				
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud: 38400 Parity: N Data Bits: 8 Stop Bits: 1																				
<b>VENDOR FIRMWARE:</b>	N/A																				
<b>VENDOR SETUP:</b>	Pro2 processor connected to the RS-232 port on the L200 with the supplied cable from the projector.																				
<b>CABLE DIAGRAM:</b>	 <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td></td> <td>-P1-</td> <td></td> <td>-P2-</td> <td></td> </tr> <tr> <td>Rx</td> <td>2</td> <td>←</td> <td>1</td> <td>Tx</td> </tr> <tr> <td>Tx</td> <td>3</td> <td>→</td> <td>2</td> <td>Rx</td> </tr> <tr> <td>Gnd</td> <td>5</td> <td>→</td> <td>3</td> <td>Gnd</td> </tr> </table>		-P1-		-P2-		Rx	2	←	1	Tx	Tx	3	→	2	Rx	Gnd	5	→	3	Gnd
	-P1-		-P2-																		
Rx	2	←	1	Tx																	
Tx	3	→	2	Rx																	
Gnd	5	→	3	Gnd																	

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**CONTROL:**

Turn_Power_On	D	Pulse to turn on the Projector.
Power_Off	D	Pulse to turn off the Projector.
Component_Input	D	Pulse to select the component input.
Video Mute On	D	Pulse to mute the video.
Video Mute Off	D	Pulse to unmute the video.
Aspect size 4 3	D	Pulse to display 4:3 output.
Aspect size 16 9	D	Pulse to display 16:9 output.
OSD Clear	D	Pulse to clear the menu.
PC Input	D	Pulse to select the pc input.
HDMI Input	D	Pulse to select the HDMI input.
PC Auto adjustment	D	Pulse to auto adjust the PC output.
Picture Mode Standard	D	Pulse to select the Standard display settings.
Light Setting Theater	D	Pulse to select the eco mode settings.
Light Setting Bright	D	Pulse to select the bright mode settings.
Language Korean	D	Pulse to select the Korean Language.
Language English	D	Pulse to select the English Language.
Video Input	D	Pulse to select the composite input.
S-Video Input	D	Pulse to select the S-Video input.
Read Power Status	D	Pulse to read the power status.
Read Input Mode	D	Pulse to read the input mode.
Read Projector Time	D	Pulse to read the display time of the projector.
Read Lamp Time	D	Pulse to read the display time of the lamp.
From Projector	S	Needs to be connected with the RX output from the COM Port.

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**FEEDBACK:**

<b>Hours Projector</b>	A	Analog value containing the display hours of the projector.
<b>Hours Lamp</b>	A	Analog value containing the display hours of the lamp.
<b>Input Mode</b>	S	Serial value containing the Input mode.
<b>Power Status</b>	S	Serial value containing the power status.
<b>To Projector</b>	S	Needs to be connected with the TX input of the COM Port.

**TESTING:**

<b>OPS USED FOR TESTING:</b>	PRO2 4.001.1011 (Feb 10 2009)
<b>SIMPL WINDOWS USED FOR TESTING:</b>	v2.11.27
<b>CRESTRON DB USED FOR TESTING:</b>	v20.08.003.00
<b>DEVICE DB USED FOR TESTING:</b>	v22.06.003.00
<b>SAMPLE PROGRAM:</b>	Samsung D400S v1.0 PRO2 DEMO.smw
<b>REVISION HISTORY:</b>	V. 1.0