



**Partner: Barco**  
**Model: F50 Series**  
**Device Type:TV/Video Projector**

## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	Barco Projector F-Series (Full)
<b>CATEGORY:</b>	TV/Video Projector
<b>VERSION:</b>	1.0
<b>SUMMARY:</b>	This module will control the Barco F50 Series via RS-232 and TCP/IP. Shares Command Set with Orion Series and CT Series
<b>GENERAL NOTES:</b>	This module will control the Barco F50 Series via RS-232 and TCP/IP. Shares Command Set with Orion Series and CT Series Note: This Module is Systembuilder Compatible.
<b>CRESTRON HARDWARE REQUIRED:</b>	2 or 3 Series Processor
<b>SETUP OF CRESTRON HARDWARE:</b>	RS232 Baud.:19200 (Default) Parity: None Data Bits: 8 Stop Bits: 1  IP Port 1025
<b>VENDOR FIRMWARE:</b>	None
<b>VENDOR SETUP:</b>	None
<b>CABLE DIAGRAM:</b>	NA
<b>NOTES:</b>	There is a 30 second delay in responses after a valid "Power On" Command is sent, this is Per Barco's instructions.


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**CONTROL:**

<b>Power_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn the display on or off.
<b>Input_[x]</b>	D	Pulse to Select Desired Input
<b>Picture_Mute_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn AV Mute on or off
<b>Freeze_&lt;On/Off/Toggle&gt;</b>	D	Pulse to turn Freeze on or off (Not Available on all models)
<b>Aspect_Ratio_[x]</b>	D	Pulse to Select Desired Aspect Ratio
<b>Gamma_[x]</b>	D	Pulse to Select Desired Gamma Mode
<b>Contrast_&lt;Up/Down&gt;</b>	D	Pulse to Raise or Lower contrast (Picture must be Present)
<b>Brightness_&lt;Up/Down&gt;</b>	D	Pulse to Raise or Lower Brightness (Picture must be Present)
<b>Saturation_&lt;Up/Down&gt;</b>	D	Pulse to Raise or Lower Saturation (Picture must be Present)
<b>Sharpness_&lt;Up/Down&gt;</b>	D	Pulse to Raise or Lower Sharpness (Picture must be Present)
<b>Poll_Picture</b>	D	Hold to Poll Picture Settings (Default = 1)
<b>Poll_Enable</b>	D	Hold to Poll Settings (Default = 1)
<b>From_Device</b>	S	Serial data signal to be routed from a 2 way com port or TCP/IP client.



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**FEEDBACK:**

Power_<On/Off>_FB	D	Latches high to indicate current power status.
Warming/Cooling_FB	D	High to Indicate Warming or Cooling state.
Power_In_Transistion	D	High to indicate Projector is currently in a transition state
Input_[x]_FB	D	Latches high to indicate current input selected (Power must be ON)
Picture_Mute_<On/Off>_FB	D	Latches high to indicate current AV mute state (Power must be ON)
Freeze_<On/Off>_FB	D	Latches high to indicate current Freeze state (Power must be ON & picture present)
Aspect_Ratio_[x]_FB	D	Latches high to indicate current Aspect Ratio selected (Power must be ON & picture present)
Gamma_[x]_FB	D	Latches high to indicate current Gamma Mode (Power must be ON & and picture present)
Lamp_Hours_FB	A	Value Representing Current Lamp Hours
Contrast_Level	A	Value Representing Current Contrast Level (0-65535)
Brightness_Level	A	Value Representing Current Brightness Level (0-65535)
Saturation_Level	A	Value Representing Current Saturation Level (0-65535)
To_Device	S	Serial data signal to be routed to a 2 way com port or TCP/IP Client.

**Parameters:**

Projector Address	P	Hex - Use to Set Desired Projector Address (Default = 001)
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**TESTING:**

<b>OPS USED FOR TESTING:</b>	v4.001.1012
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.03.20
<b>DEVICE DB USED FOR TESTING:</b>	71.05.004.00
<b>CRES DB USED FOR TESTING:</b>	54.00.012.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	981
<b>SAMPLE PROGRAM:</b>	Crestron Barco F50 Series Projector Demo
<b>REVISION HISTORY:</b>	v1.0 – Initial Release