



Partner: Barco
Model: PGWx-61B
Device Type:TV/Video Projector

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Barco Projector PGWx-61B (Full) V1
CATEGORY:	TV/Video Projector
VERSION:	1.0
SUMMARY:	This module will control the Barco PGWx-61B projector via RS-232 and TCP/IP.
GENERAL NOTES:	This module will control the Barco PGWx-61B projector via RS-232 and TCP/IP. Note: This Module is Systembuilder Compatible.
CRESTRON HARDWARE REQUIRED:	2 or 3 Series Processor
SETUP OF CRESTRON HARDWARE:	RS232 Baud:.115200 (Default) Parity: None Data Bits: 8 Stop Bits: 1 IP Port 43680
VENDOR FIRMWARE:	None
VENDOR SETUP:	None
CABLE DIAGRAM:	Hardware Per Barco Manual RS232/422 input (Sub-D) port Pin Description 1 DCD : Data Carrier Detect 2 RXD-:ReceiveData 3 TXD- : Transmitted Data 4 DTR : Data Terminal Ready [RS232] TXD+ : Transmitted Data [RS422] 5 GND : Ground 6 DSR : Data Set Ready [RS232] RXD+ : Received Data [RS422] 7 — (not connected) — 8 CTS : Clear To Send 9 RI : Ring Indicator
NOTES:	At Time of testing, when the projector is in a full off state (not Cooling),it would not report responses at all when communicating over IP, and would only respond with NAKs when communicating over 232.



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CONTROL:

Power_<On/Off/Toggle>	D	Pulse to turn the display on or off.
Input_[x]	D	Pulse to Select Desired Input
Picture_Mute_<On/Off/Toggle>	D	Pulse to turn AV Mute on or off
Freeze_<On/Off/Toggle>	D	Pulse to turn Freeze on or off
Aspect_Ratio_[x]	D	Pulse to Select Desired Aspect Ratio
Gamma_[x]	D	Pulse to Select Desired Gamma Mode
Contrast_<Up/Down>	D	Pulse to Raise or Lower contrast (Picture must be Present)
Brightness_<Up/Down>	D	Pulse to Raise or Lower Brightness (Picture must be Present)
Saturation_<Up/Down>	D	Pulse to Raise or Lower Saturation (Picture must be Present)
Tint_<Up/Down>	D	Pulse to Raise or Lower Tint (Picture must be Present)
Sharpness_<Up/Down>	D	Pulse to Raise or Lower Sharpness (Picture must be Present)
Poll_Lamp_Hours	D	Hold to Poll Lamp Hours (Default = 1) Note: Based off of "Lamp Time Interval" Parameter
Poll_Picture_Settings	D	Hold to Poll Picture Settings
Poll	D	Hold to Poll Settings (Default = 1)
From_Device	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.
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[1-4]_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)
Tint_Level	A	Value Representing Current Tint Level (0-65535)
Sharpness_Level	A	Value Representing Current Sharpness 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 = 00h) Note: Use 00h for IP, 00h, will usually be the default.
Lamp Hours Poll Time	P	Minutes - Interval as to Poll for Lamp Hours in Minutes



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TESTING:

OPS USED FOR TESTING:	v4.001.1012
SIMPL WINDOWS USED FOR TESTING:	4.03.20
DEVICE DB USED FOR TESTING:	71.00.003.00
CRES DB USED FOR TESTING:	54.00.011.00
SYMBOL LIBRARY USED FOR TESTING:	690
SAMPLE PROGRAM:	Crestron Barco PGxx-61B Example V1
REVISION HISTORY:	v1.0 – Initial Release