Partner: Christie Digital
Model: HD20K-J
Device Type: Video Projector

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Christie Digital HD20K-J v1.2
CATEGORY:	TV/Video Projector
VERSION:	1.2
SUMMARY:	This module controls the power and source selection on the Christie Digital HD20K-J video projector.
GENERAL NOTES:	This module controls the Christie Digital HD20K-J. It also provides true feedback. There are 4 input slots on the HD20K-J. Each input slot accepts a card. There are cards that have from one to six inputs. This module relies on feedback from the projector. If the pollEnable input is not set high, the module will still poll the projector for its status when a control command is issued from the module.
CRESTRON HARDWARE REQUIRED:	C2I-COM, C2-COM-*
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 115200 Parity: None Data Bits: 8 Stop Bits: 1
VENDOR FIRMWARE:	Unknown
VENDOR SETUP:	Set the baud rate to match the baud rate of the Crestron processor.
CABLE DIAGRAM:	RS232 Cable: Crestron Christie Digital GND Pin 5 TX Pin 2 RX Pin 3

Partner: Christie Digital
Model: HD20K-J
Device Type: Video Projector

CONTROL:

power<On/Off/Toggle>	D	Pulse to turn the projector on and off.
slot<1/2/3/4>Input<1/2/3/4/5/6>	D	Pulse to select the desired input on the desired slot.
shutter<Open/Close/Toggle>	D	Pulse to open (video unmute) or close (video mute) the shutter.
pollEnable	D	Hold high to enable constant polling at the frequency selected in the paramPollFrequency parameter field.
fromDevice	S	Serial signal to be routed from the rx$ output on a 2-way serial com port.

PARAMETERS:

paramPollFrequency	P	Select the desired polling frequency from the list. Default value is 60 seconds. It is recommended that the polling frequency of 60 seconds be used for most installations.

FEEDBACK:

powerIs<On/Off/WarmingUp/ CoolingDown/Other>	D	High to indicate the current power state. Other indicates either auto or emergency shutdown.
slot<1/2/3/4>Input<1/2/3/4/6>Selected	D	High to indicate the currently selected input.
shutterIs<Open/Closed>	D	High to indicate the current state of the shutter.
lamp<1/2>Hours	A	Analog value indicating the lamp hours.
toDevice	S	Serial signal to be routed to the tx$ input on a 2-way serial com port.

©2004 Crestron Electronics, Inc.
15 Volvo Drive • Rockleigh, NJ 07647
800.237.2041 / 201.767.3400

www.crestron.com

Crestron Certified Integrated Partner Modules can be found archived on our website in the Design Center. For more information please contact our Technical Sales Department at techsales@crestron.com. The information contained on this document is privileged and confidential and for use by Crestron Authorized Dealers, CAIP Members, A+ Partners and Certified Integrated Partners only. *Specifications subject to change without notice.*

Partner: Christie Digital
Model: HD20K-J
Device Type: Video Projector

TESTING:	
OPS USED FOR TESTING:	1.501.0013
SIMPL WINDOWS USED FOR TESTING:	4.03.24
DEVICE DB USED FOR TESTING:	57.00.003.00
CRES DB USED FOR TESTING:	76.00.002.00
SYMBOL LIBRARY USED FOR TESTING:	998
SAMPLE PROGRAM:	Christie Digital HD20K-J v1.2 Demo
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Updated the feedback processing to improve efficiency. v1.2 – Updated the module to handle feedback for lamp hours for two lamps.