

SIMPLWINDOWS NAME: Chisholm Dakota X-1200 Video Projector

CATEGORY: Projector

VERSION: 1.0

SUMMARY: Control power, input select, video mute, and volume with feedback

GENERAL NOTES: This module will control a Chisholm Dakota X-1200 video projector. True feedback is provided for all functions controlled.

There is a POLL-ENABLE input. This input should be held high while it is desired to communicate with the projector. This can generally be done with an SR symbol. While held high, the Crestron system will request the status of the projector every second. It will use the information returned to update the -FB outputs of the module.

Note that the projector requires approximately 20 seconds to power on and 90 seconds to power off. You should not try to turn the projector off while it is powering on, and you should not try to turn the projector on while it is powering off.

Note that the projector will not accept input selections unless there is a valid video (or RGB) signal on the the input requested.

CRESTRON HARDWARE REQUIRED: CNXCOM, ST-COM

SETUP OF CRESTRON HARDWARE: Baud Rate - 9600
Parity - None
Data Bits - 8
Stop Bits - 1

VENDOR FIRMWARE: Protocol Version ID1

VENDOR SETUP: The mouse input will be used on the projector for RS232 communications. You must use the mouse-to-RS232 cable which comes with the projector to connect to the Crestron system.

CABLE NUMBER: CNSP-121

CONTROL:

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|-----------------------|---|--|
| POWER-ON | D | Turn the projector on. You should not attempt to turn it off for at least 20 seconds. The WARMING-UP output will be high while the projector is powering on |
| POWER-OFF | D | Turn the projector off. You should not attempt to turn it on for at least 90 seconds. The COOLING-DOWN output will be high while the projector is powering off |
| INPUT-* | D | Select any of six possible inputs. If there is not a valid signal on the input selected, it will be ignored. |
| VIDEO-MUTE-ON | D | Activate the video mute function. This will blank the screen. |
| VIDEO-MUTE-OFF | D | Deactivate the video mute function |
| VOLUME-UP | D | Raise the volume level |
| VOLUME-DOWN | D | Lower the volume level |
| VOLUME-MUTE-ON | D | Mute the volume |

| | | |
|------------------------|---|---|
| VOLUME-MUTE-OFF | D | Unmute the volume |
| POLL-ENABLE | D | Enable polling. this could be defined as a 1 so the projector is always polled. Or it could be driven by an SR symbol, such that the projector is only polled when the user is on screens where he needs the status of the projector. |
| CHISHOLM-RX\$ | S | Serial data string to be routed from a 2-way RS232 port |

FEEDBACK:

| | | |
|---------------------------|---|---|
| POWER-ON-FB | D | True feedback indicating that the projector is on |
| POWER-OFF-FB | D | True feedback indicating that the projector is off |
| INPUT-*-FB | D | True feedback indicating which input is currently being displayed |
| VIDEO-MUTE-ON-FB | D | True feedback indicating that video mute is on |
| VIDEO-MUTE-OFF-FB | D | True feedback indicating that video mute is off |
| VOLUME-LEVEL | A | Analog signal representing the volume level. Should be routed to a bargraph on a touchpanel |
| VOLUME-MUTE-ON-FB | D | True feedback indicating that volume mute is on |
| VOLUME-MUTE-OFF-FB | D | True feedback indicating that volume mute is off |
| WARMING-UP | D | This output will be high while the projector is warming up |
| COOLING-DOWN | D | This output will be held high while the projector is cooling down |
| CHISHOLM-TX\$ | S | Serial data signal to be routed to a 2-way RS232 port |

OPS USED FOR TESTING: 3.18.06, 5.01.35x
COMPILER USED FOR TESTING: SimplWindows Version 1.21.04
SAMPLE PROGRAM: CHISTSTA
REVISION HISTORY: None