

SIMPLWINDOWS NAME: Mitsubishi X200+X120 Video Projector

CATEGORY: Projector

VERSION: 1.2

SUMMARY: Control all standard video projector functions with feedback for power and input selected

GENERAL NOTES: This module will control all available RS232 functions on a Mitsubishi X-200 and X-120 video projector. Discrete power on/off and input selects, as well as menu commands are included. True feedback is provided for power status, and input selected.

The X-200 projector requires approximately ten seconds to power on and approximately two minutes to power off. The projector does not provide any notification that it is in a warm-up or cool-down state. Input selections and other commands will not be accepted by the projector while in this state.

The X-120 projector requires approximately one minute to power on or off. The projector does not provide any notification that it is in a warm up or cool down state. Input selections and other commands will not be accepted by the projector while in this state.

Users of these projectors need to understand that they should not be sending commands to the unit while powering on or off, as they will not be processed. A warning could be displayed on a touchpanel for the warm-up or cool-down times.

The module will automatically poll the projector for power and input status for three minutes after a power command is sent, and for ten seconds after an input selection is made. If it is desired to poll the projector at other times, the POLL-OK input can be used. If this input is pulsed, a single poll will be performed. If a 1 is placed on this input, the projector will be polled continuously. This input can normally be defined as 0.

Note that if the menus are displayed on the projector screen, the input selections will not be accepted by the projector.

Also note that not all functions in this module will be available on the X-120. The X-120 has fewer source inputs, so the only source selections available are INPUT-VIDEO-1, INPUT-RGB-1 and INPUT-CARD-1.

CRESTRON HARDWARE REQUIRED: ST-COM, CNXCOM

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

VENDOR FIRMWARE: Firmware version 3.3 on X-200

VENDOR SETUP: None

CABLE NUMBER: X-200 = CNSP-124
X-120 = Cable supplied with projector

CONTROL:

POWER-ON	D	Turn projector on. Will be ignored if projector is in cool-down state
POWER-OFF	D	Turn projector off. Will be ignored if projector is in warm-up state
POWER-TOGGLE	D	Toggle the state of the projector power. Will be ignored if projector is in warm-up of cool-down state
INPUT-VIDEO-1	D	Select video 1
INPUT-VIDEO-2	D	Select video 2
INPUT-RGB-1	D	Select RGB 1
INPUT-RGB-2	D	Select RGB 2
INPUT-CARD-1	D	Select card input 1
INPUT-CARD-2	D	Select card input 2
UP/DOWN/LEFT/RIGHT	D	On screen menu controls
EXPAND	D	Activate expand function
PIP	D	Turn picture-in-picture on/off
FOC/ZOOM	D	Allow control of focus and zoom
MENU	D	Turn menu on/off
ENTER	D	Enter function for menus
AUTOPLAY	D	Activate Autoplay function
CARD-EJECT	D	Eject card from slot
AUTO-POS	D	Activate auto position function
VOL+	D	Adjust volume up
VOL-	D	Adjust volume down
POLL-OK	D	Perform a manual poll of the power state, and current selected. Can usually be defined as 0
MITSUBISHI-RX\$	S	Serial data string to be routed to a 2-way RS232 port

FEEDBACK:

POWER-ON-FB	D	True feedback indicating that power is on
POWER-OFF-FB	D	True feedback indicating that power is off
INPUT-VIDEO-1-FB	D	True feedback indicating that video input 1 is selected
INPUT-VIDEO-2-FB	D	True feedback indicating that video input 2 is selected
INPUT-RGB-1-FB	D	True feedback indicating that RGB input 1 is selected
INPUT-RGB-2-FB	D	True feedback indicating that RGB input 2 is selected
INPUT-CARD-1-FB	D	True feedback indicating that card input 1 is selected
INPUT-CARD-2-FB	D	True feedback indicating that card input 2 is selected
MITSUBISHI-TX\$	S	Serial data string to be routed to a 2-way RS232 port

OPS USED FOR TESTING: 3.18.04
COMPILER USED FOR TESTING: SimpWindows Version 1.21.04
SAMPLE PROGRAM: MX2TSTC

REVISION HISTORY:

MITX200A - Original

MITX200B - Correct problem with 0
defined on RX\$ of Stringio symbol

MITX200C - Change polling such that it
will not interfere with the sending of
commands. Add documentation for X-120
although no functionality was changed to
accommodate the X-120