Partner: Hitachi
Model: 2006 Plasma/LCD Projection TV
Device Type: Plasma Display

GENERAL INFORMATION

SIMPLWINDOWS NAME:	Hitachi 42+55HDS69 & 42+55HDT79 & 42+55HDX99 & 50+55+62VS69A & 50C20A Displays
CATEGORY:	Monitor
VERSION:	1.0
SUMMARY:	This module will control the Hitachi 2006 Plasma and LCD Projection TV displays.
GENERAL NOTES:	This module will control power, input source, aspect ratio, audio mute and volume for the Hitachi 2006 Plasmas (42HDS69, 42HDT79, 42HDX99, 55HDS69, 55HDT79 and 55HDX99 DX-2 Chassis) and LCD Projection TVs (50VS69A, 55VS69A, 62VS69A LC-67 Chassis, 50C20A LC-57 Chassis). When any command is sent to the plasma, the module will acknowledge that the command was processed properly and the corresponding feedback will be reflected at the outputs of this module. An active signal must be present at one of the plasma's inputs before acquiring accurate feedback. Otherwise, the plasma will revert to a standby mode. When the Poll_Enable input is asserted (Default = 1), the plasma will be polled every 15 seconds to determine the state of power. If it is desired to poll the plasma for all other settings, once the plasma is powered on, you can assert the Poll_Settings input (Default =1). When this input is high, the plasma will be polled every 45 seconds to determine the state of input source, aspect ratio, audio mute, brightness and contrast. Typically, you could enable either polling option when the projector's particular control page is active and displayed on a touch panel. You would then disable polling at other times. Please note that the "RS232 On" feature must be enabled to establish RS232 communications to the plasma. When this feature is enabled, IR remote input and direct input from the plasma will not function. This module will automatically enable "RS232 On" if the function was disabled prior to execution of any commands.
CRESTRON HARDWARE REQUIRED:	CNXCOM-6, CNXCOM-2, ST-COM, C2I-COM6, C2COM-2/3
SETUP OF CRESTRON HARDWARE:	RS232 Baud: 9600 Parity: N Data Bits: 7 Stop Bits: 1
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	N/A
CABLE DIAGRAM:	CNSP-132

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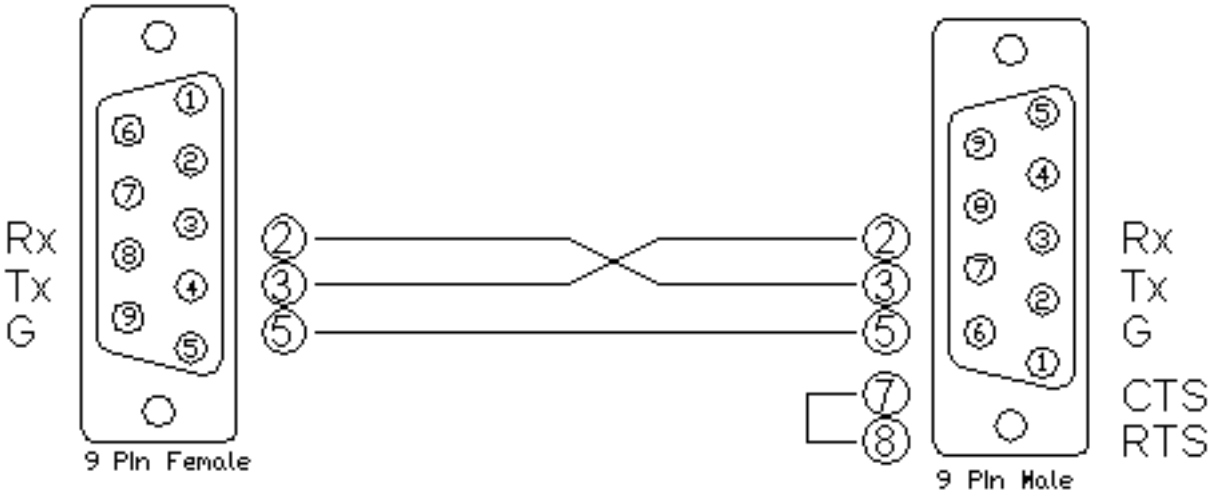

CONTROL:

Power_*	D	Pulse to change device's current power state
RS232_On/Off	D	Pulse to enable/disable RS232 communications with device. This is done automatically and these inputs can be set to a "zero" value
Input_*	D	Pulse to select device's current input source
Volume_Up/Down	D	Press and hold to increase/decrease device's current volume level
Volume_Mute_On/Off	D	Pulse to activate/deactivate audio mute
Aspect_Ratio_*	D	Pulse to select device's current screen aspect ratio
Channel_Key_*	D	Pulse to enter the channel number.
Poll_Enable	D	Set high to enable polling for power.
Poll_Settings	D	Set high to enable polling for all other status.
From_Device$	S	Serial data signal coming from a 2-way RS232 port.

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FEEDBACK:

Power_*_FB	D	True feedback indicating device's current power state
Input_*_FB	D	True feedback indicating device's current input source
Volume_Bar	A	Analog value of device's current volume level
Volume_Mute_*_Fb	D	True feedback indicating the device's current volume mute state
Aspect_Ratio_*_FB	D	True feedback indicating device's current screen aspect ratio
To_Device$	S	Serial data signal to be sent to a 2-way RS232 port.

TESTING:

OPS USED FOR TESTING:	3.155.1240
SIMPL WINDOWS USED FOR TESTING:	2.08.38
CRES DB USED FOR TESTING:	18.7.8
SYMBOL LIBRARY USED FOR TESTING:	472
SAMPLE PROGRAM:	Hitachi 2006 Plasma and LCD Projector TV Demo
REVISION HISTORY:	V. 1.0

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