

GENERAL INFORMATION:

SIMPLWINDOWS NAME:	Liberty-DL-HDMxx-FS/SS
CATEGORY:	A/V Matrix switch
VERSION:	1.01
SUMMARY:	These Crestron drivers provide two-way control of the Liberty-DL-HDMx-FS/SS video matrices via TCP/IP, or RS232.
GENERAL NOTES:	<p>SS models only support switching signals (OUTPUT_x, OUTPUT_FB_x) and status signals.</p> <p>For FS models, R232 uses SERIAL_TX/RX, SS uses SERIAL_2_TX/RX (different baud rates).</p> <p>All signals/parameters listed supported for both TCP/IP and R232, unless otherwise stated.</p>
CRESTRON HARDWARE REQUIRED:	Any Ethernet-enabled series 3 processor.
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	N/A
VENDOR SETUP:	The matrix should be installed, configured and tested according to Liberty documentation prior to integration with this driver
CABLE DIAGRAM:	N/A

CONTROL:

SERIAL_RX/SERIAL_2_RX*	S	Serial command received from device
OUTPUT_x	A	Sets input value of output x
AUDIO_x	A	Sets volume level of output x
MUTE_x	A	Switch for muting output x (0 = mute, 1 = unmute)
HDCP_CONTROL_x	A	Switch for HDCP status of output x (0 = disabled, 1 = enabled)
RESOLUTION_CONTROL_x	A	Control for resolution type of output x (1 = UHD30, 2 = FHD, 3 = HD, 4 = WUXGA, 5 = WXGA)
CEC_CONTROL_x	A	Switch for CEC status of output x (0 = disabled, 1 = enabled)
PRESET_CONTROL_x	A	Control for preset x (1 = SAVE, 2 = RECALL)

**serial only*

PARAMETERS:

IP_ADDRESS*	IP Address of matrix
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**IP only*

FEEDBACK:

CONNECTION_STATE	D	Connected = 1, Disconnected = 0
CONNECTION_STATUS	S	String description of connection state
OUTPUT_FB_x	A	The input currently connected to Output x
AUDIO_CONTROL_FB_x	A	The current volume level of output x
MUTE_CONTROL_FB_x	A	The current mute status of output x (0 = mute, 1 = unmute)
HDCP_CONTROL_FB_x	A	The current HDCP status of output x (0 = disabled, 1 = enabled)
RESOLUTION_CONTROL_FB_x	A	The current resolution setting of output x (1 = UHD30, 2 = FHD, 3 = HD, 4 = WUXGA, 5 = WXGA)
CEC_CONTROL_FB_x	A	The current CEC status of output x (0 = disabled, 1 = enabled)
SERIAL_TX/SERIAL_2_TX*	S	Serial command sent to device

**serial only*