

## GENERAL INFORMATION:

<b>SIMPLWINDOWS NAME:</b>	Liberty-DL-HDMxx-FS/SS
<b>CATEGORY:</b>	A/V Matrix switch
<b>VERSION:</b>	1.01
<b>SUMMARY:</b>	These Crestron drivers provide two-way control of the Liberty-DL-HDMx-FS/SS video matrices via TCP/IP, or RS232.
<b>GENERAL NOTES:</b>	<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>
<b>CRESTRON HARDWARE REQUIRED:</b>	Any Ethernet-enabled series 3 processor.
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	N/A
<b>VENDOR SETUP:</b>	The matrix should be installed, configured and tested according to Liberty documentation prior to integration with this driver
<b>CABLE DIAGRAM:</b>	N/A

## CONTROL:

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

*\*serial only*

## PARAMETERS:

<b>IP_ADDRESS*</b>	IP Address of matrix
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*\*IP only*

## FEEDBACK:

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

*\*serial only*