

## GENERAL INFORMATION:

<b>SIMPLWINDOWS NAME:</b>	AVProConnect_CX100_Ramp
<b>CATEGORY:</b>	A/V Amplifier
<b>VERSION:</b>	1.00
<b>SUMMARY:</b>	This Crestron driver provides two-way control of the AvProConnect AC-CX100_Ramp via TCP/IP, or RS232.
<b>GENERAL NOTES:</b>	<p>There UMCs are included:</p> <ul style="list-style-type: none"> <li>AvProConnect AC-CX100_Reversion].umc (for IP control of a single matrix)</li> </ul> <p>Refer to AvProConnect documentation for more information.</p> <p>Default Serial settings are 57600 N 8 1</p>
<b>CRESTRON HARDWARE REQUIRED:</b>	Any Ethernet-enabled series 3 processor.
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	1.2
<b>VENDOR SETUP:</b>	The matrix should be installed, configured and tested according to AVProConnect documentation prior to integration with this driver
<b>CABLE DIAGRAM:</b>	N/A

## CONTROL:

<b>SERIAL_RX*</b>	S	Serial command received from device
<b>POWER_ON</b>	D	Powers On Unit
<b>POWER_OFF</b>	D	Powers Off Unit
<b>REBOOT</b>	D	Reboot Unit
<b>MUTE_ON</b>	D	Mutes Unit
<b>MUTE_OFF</b>	D	Un-Mutes Unit
<b>SELECT_HDMI</b>	D	Select Video input (HDMI)
<b>SELECT_HDBT</b>	D	Select Video input (HDBT)
<b>SELECT_HDMIHDBT</b>	D	Select Audio input (HDMI/HDBT)
<b>SELECT_LINE</b>	D	Select Audio input (LINE)
<b>SELECT_MIC</b>	D	Select Audio input (MIC)
<b>SELECT_EARC</b>	D	Select Audio input (EARC)
<b>MICMIX_ON</b>	D	Turns MIC Mixer ON
<b>MICMIX_OFF</b>	D	Turns MIC Mixer OFF

MASTER VOLUME UP	D	Master Volume Up By 1
MASTER VOLUME DOWN	D	Master Volume Down By 1
MASTER VOLUME	A	Set Master Volume - Range (0 to 110)
<b>SPEAKER</b> VOLUME UP	D	Speaker Volume Up By 1
<b>SPEAKER</b> VOLUME DOWN	D	Speaker Volume Down By 1
<b>SPEAKER</b> VOLUME	A	Set Speaker Volume - Range (0 to 110)
LINEOUT VOLUME UP	D	LineOut Volume Up By 1
LINEOUT VOLUME DOWN	D	LineOut Volume Down By 1
LINEOUT VOLUME	A	Set LineOut Volume - Range (0 to 110)
HDMI VOLUME UP	D	HDMI Volume Up By 1
HDMI VOLUME DOWN	D	HDMI Volume Down By 1
HDMI VOLUME	A	Set HDMI Volume - Range (0 to 110)
<b>LINE</b> VOLUME UP	D	Line Volume Up By 1
<b>LINE</b> VOLUME DOWN	D	Line Volume Down By 1
<b>LINE</b> VOLUME	A	Set Line Volume - Range (0 to 110)
MIC VOLUME UP	D	Mic Volume Up By 1
MIC VOLUME DOWN	D	Mic Volume Down By 1
MIC VOLUME	A	Set Mic Volume - Range (0 to 110)
<b>EARC</b> VOLUME UP	D	EARC Volume Up By 1
<b>EARC</b> VOLUME DOWN	D	EARC Volume Down By 1
<b>EARC</b> VOLUME	A	Set EARC Volume - Range (0 to 110)
<b>MIC_ON</b>	D	Turns MIC ON
<b>MIC_OFF</b>	D	Turns MIC OFF
<b>OVERRIDE_GAIN_POT_ON</b>	D	Turns OVERRIDE GAIN POT ON
<b>OVERRIDE_GAIN_POT_OFF</b>	D	Turns OVERRIDE GAIN POT OFF
<b>MIC_GAIN_UP</b>	D	Increases Gain
<b>MIC_GAIN_DOWN</b>	D	Decreases Gain
<b>MIC_GAIN</b>	A	Sets Gain - Range (0 to 40)
<b>ATTACK_TIME_UP</b>	D	Increases Attack Time
<b>ATTACK_TIME_DOWN</b>	D	Decreases Attack Time
<b>ATTACK_TIME</b>	A	Sets Attack Time - Range (0 to 1000)

RELEASE_TIME_UP	D	Increases Release Time
RELEASE_TIME_DOWN	D	Decreases Release Time
RELEASE_TIME	A	Sets Release Time - Range (0 to 8000)
LEVEL_UP	D	Increases Level
LEVEL_DOWN	D	Decreases Level
LEVEL	A	Sets Level - Range (0 to 40)
OVERRIDE_DEPTH_POT_ON	D	Sets OVERRIDE_DEPTH_POT On
OVERRIDE_DEPTH_POT_OFF	D	Sets OVERRIDE_DEPTH_POT Off
EFFECT_DEPTH_UP	D	Increases Effect Depth
EFFECT_DEPTH_DOWN	D	Decreases Effect Depth
EFFECT_DEPTH	A	Sets Effect Depth - Range (0 to 50)
OSD_ON	D	Sets OSD On
OSD_OFF	D	Sets OSD Off
OSD_DELAY_UP	D	Increases OSD Delay
OSD_DELAY_DOWN	D	Decreases OSD Delay
OSD_DELAY	A	Sets OSD Delay - Range (0 to 255)

\*serial only

## PARAMETERS:

IP_ADDRESS**	IP Address of matrix
ADDRESS*	Device Address (default is 01)

\*\*IP only

\*serial only

## FEEDBACK (AVSwitch\_IP):

CONNECTION_STATE**	D	Connected = 1, Disconnected = 0
CONNECTION_STATUS**	S	String description of connection state
TX*	S	Serial command sent to device
POWER_ON_FB	D	High when Power On
POWER_OFF_FB	D	High when Power Off
MUTE_ON_FB	D	High when Muted
MUTE_OFF_FB	D	High when Unmuted

SELECT_HDMI_FB	D	High when Video Input (HDMI)
SELECT_HDBT_FB	D	High when Video Input (HDBT)
SELECT_HDMIHDBT_FB	D	High when Audio Input (HDMI / HDBT)
SELECT_LINE_FB	D	High when Audio Input (line)
SELECT_MIC_FB	D	High when Audio Input (Mic)
SELECT_EARC_FB	D	High when Audio Input (EARC)
MICMIX_ON_FB	D	High when Mic Mixer is Enable
MICMIX_OFF_FB	D	High when Mic Mixer is Disable
MASTER_VOLUME_FB	A	Value of Master Volume - Range (0 to 110)
MASTER_VOLUME_TXT_FB	A	Value of Master Volume (actual DB value)
SPEAKER_VOLUME_FB	A	Value of Speaker Volume - Range (0 to 110)
SPEAKER_VOLUME_TXT_FB	A	Value of Speaker Volume (actual DB value)
LINEOUT_VOLUME_FB	A	Value of Lineout Volume - Range (0 to 110)
LINEOUT_VOLUME_TXT_FB	A	Value of Lineout Volume
HDMI_VOLUME_FB	A	Value of Hdmi Volume - Range (0 to 110)
HDMI_VOLUME_TXT_FB	A	Value of Hdmi Volume (actual DB value)
LINE_VOLUME_FB	A	Value of Line Volume - Range (0 to 110)
LINE_VOLUME_TXT_FB	A	Value of Line Volume (actual DB value)
MIC_VOLUME_FB	A	Value of Mic Volume - Range (0 to 110)
MIC_VOLUME_TXT_FB	A	Value of Mic Volume (actual DB value)
EARC_VOLUME_FB	A	Value of EARC Volume - Range (0 to 110)
EARC_VOLUME_TXT_FB	A	Value of EARC Volume (actual DB value)
MIC_ON_FB	D	High when MIC Enable
MIC_OFF_FB	D	High when MIC Disable
OVERRIDE_GAIN_POT_ON_FB	D	High when <b>OVERRIDE_GAIN_POT</b> enable
OVERRIDE_GAIN_POT_OFF_FB	D	High when <b>OVERRIDE_GAIN_POT</b> disable
MIC_GAIN_FB	A	Level of Mic gain - Range (0 to 40)
MIC_GAIN_TXT_FB	A	Level of Mic gain (actual DB value)
ATTACK_TIME_FB	A	Attack Time Current level - Range (0 to 1000)
ATTACK_TIME_TXT_FB	A	Attack Time Current level (actual msec value)

<b>RELEASE_TIME_FB</b>	A	Release Time Current level - Range (0 to 8000)
<b>RELEASE_TIME_TXT_FB</b>	A	Release Time Current level (actual msec value)
<b>LEVEL_FB</b>	A	Release Time Current level - Range (0 to 40)
<b>LEVEL_TXT_FB</b>	A	Release Time Current level (actual DB value)
<b>OVERRIDE_DEPTH_POT_ON_FB</b>	D	High when <b>OVERRIDE_DEPTH_POT enable</b>
<b>OVERRIDE_DEPTH_POT_OFF_FB</b>	D	High when <b>OVERRIDE_DEPTH_POT disable</b>
<b>EFFECT_DEPTH_FB</b>	A	Effect Depth Current level - Range (0 to 50)
<b>EFFECT_DEPTH_FB</b>	A	Effect Depth Current level (actual DB value)
<b>OSD_ON_FB</b>	D	High when OSD <b>enable</b>
<b>OSD_OFF_FB</b>	D	High when <b>OSD disable</b>
<b>OSD_DELAY_FB</b>	D	OSD Deley Current level - Range (0 to 255)
<b>OSD_DELAY_TXT_FB</b>	D	OSD Deley Current level (actual sec value)

\*serial only

\*\*IP only