

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

CONTROL:		
SERIAL_RX*	S	Serial command received from device
POWER_ON	D	Powers On Unit
POWER_OFF	D	Powers Off Unit
REBOOT	D	Reboot Unit
MUTE_ON	D	Mutes Unit
MUTE_OFF	D	Un-Mutes Unit
SELECT_HDMI	D	Select Video input (HDMI)
SELECT_HDBT	D	Select Video input (HDBT)
SELECT_HDMIHDBT	D	Select Audio input (HDMI/HDBT)
SELECT_LINE	D	Select Audio input (LINE)
SELECT_MIC	D	Select Audio input (MIC)
SELECT_EARC	D	Select Audio input (EARC)
MICMIX_ON	D	Turns MIC Mixer ON
MICMIX_OFF	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)
SPEAKER VOLUME UP	D	Speaker Volume Up By 1
SPEAKER VOLUME DOWN	D	Speaker Volume Down By 1
SPEAKER 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)
LINE VOLUME UP	D	Line Volume Up By 1
LINE VOLUME DOWN	D	Line Volume Down By 1
LINE 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)
EARC VOLUME UP	D	EARC Volume Up By 1
EARC VOLUME DOWN	D	EARC Volume Down By 1
EARC VOLUME	A	Set EARC Volume - Range (0 to 110)
MIC_ON	D	Turns MIC ON
MIC_OFF	D	Turns MIC OFF
OVERRIDE_GAIN_POT_ON	D	Turns OVERRIDE GAIN POT ON
OVERRIDE_GAIN_POT_OFF	D	Turns OVERRIDE GAIN POT OFF
MIC_GAIN_UP	D	Increases Gain
MIC_GAIN_DOWN	D	Decreases Gain
MIC_GAIN	A	Sets Gain - Range (0 to 40)
ATTACK_TIME_UP	D	Increases Attack Time
ATTACK_TIME_DOWN	D	Decreases Attack Time
ATTACK_TIME	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 OVERRIDE_GAIN_POT enable
OVERRIDE_GAIN_POT_OFF_FB	D	High when OVERRIDE_GAIN_POT 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)

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

**serial only*

***IP only*