

Crestron A/V Switch Module



Device Type: Switcher

Manufacturer: Atlona

Model: AT-LINE-PRO4 (GEN1 and GEN2)

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GENERAL INFORMATION

SIMPL Windows Name:	Atlona AT-LINE-PRO4-GEN2 AV Switch V1.0
Category:	Switcher
Summary:	This module is written in SIMPL+ and controls ATLONA video switchers AT-LINE-PRO4 & AT-LINE-PRO4-GEN2 via RS232 connection.Full control is provided with feedback for all commands.
Serial Settings	19200, 8,n,1 - Straight Through
Processor	3 or 4 Series

CONTROL

SERIAL_IN\$	S	Receives serial data from processor serial port
Power_ON	D	Pulse to turn switcher on
Power_OFF	D	Pulse to turn switcher off
Audio_Mute	D	Mutes audio out while set high
Key_Menu	D	Pulse to emulate remote control button press
Key_Up	D	Pulse to emulate remote control button press
Key_Down	D	Pulse to emulate remote control button press
Key_Left	D	Pulse to emulate remote control button press

Key_Right	D	Pulse to emulate remote control button press
Key_Enter	D	Pulse to emulate remote control button press
Volume_Up	D	Pulse to increment volume level
Volume_Down	D	Pulse to decrement volume level
Input_Select	A	<p>Connects desired input to HDMI output. Set to the appropriate 0-9 value:</p> <ul style="list-style-type: none"> • 0 - Composite Video • 1 - S-Video • 2 - Component Video • 3 - PC-1 • 4 - PC-2 • 5 - PC-2 • 6 - HDMI 1 • 7 - HDMI 2 • 8 - HDMI 3 • 9 - HDMI 4
EDID_Select	A	<p>Chooses output resolution and frequency.</p> <ul style="list-style-type: none"> • 0 - Native • 1 - VGA (640x480@60) • 2 - SVGA (800x600@60) • 3 - XGA (1024X768@60) • 4 - SXGA (1280x1024@60) • 5 - UXGA (1600x1200@60) • 6 - 480i • 7 - 480p • 8 - 720p@60 • 9 - 1080i@60 • 10 - 1080p@60 • 11 - 576i@60 • 12 - 576p@60 • 13 - 720p@50 • 14 - 1080i@50 • 15 - 1080p@50 • 16 - WXGA (1280x800@60) • 17 - WSXGA (1680x1050@60) • 18 - WUXGA (1920x1200@60) • 19 - WXGA+ (1440x900@60) • 20 - SXGA+ (1400x1050@60)
Picture_Size	A	<p>Chooses output picture size.</p> <ul style="list-style-type: none"> • 0 - Full • 1 - Overscan • 2 - Underscan • 3 - Letterbox • 4 - Pan & Scan
Picture_Mode	A	<p>Chooses picture mode.</p> <ul style="list-style-type: none"> • 0 - Standard • 1 - Movie • 2 - Vivid • 3 - User
Contrast_Level	A	Sets contrast level. Range is 0 - 65535

Brightness_Level	A	Sets brightness level. Range is 0 - 65535
Hue_Level	A	Sets hue level. Range is 0 - 65535. Only applies to CV, SV, and COMP video inputs
Saturation_Level	A	Sets saturation level. Range is 0 - 65535. Only applies to CV, SV, and COMP video inputs
Sharpness_Level	A	Sets sharpness level. Range is 0 - 65535. Only applies to CV, SV, and COMP video inputs
Volume_Level	A	Sets output volume. Range is 0 - 65535
Horizontal_Pos	A	Adjusts horizontal picture position. Range is 0 - 65535. Only applies to PC inputs
Vertical_Pos	A	Adjusts vertical picture position. Range is 0 - 65535. Only applies to PC inputs
Color_Temp	A	Sets color temperature preset: <ul style="list-style-type: none"> • 0 - Normal • 1 - Warm • 2 - Cool • 3 - User
Red_Level	A	Manual color adjustment - red level. Range is 0 - 65535
Green_Level	A	Manual color adjustment - green level. Range is 0-65535
Blue_Level	A	Manual color adjustment - blue level. Range is 0 - 65535

FEEDBACK

SERIAL_OUT\$	S	Sends serial data to processor serial port
Power_ON_Fb	D	Latches high when switcher is ON
Power_OFF_Fb	D	Latches high when switcher is OFF
Audio_Mute_Fb	D	Latches high when switcher is MUTED
Current_Input_Fb	A	Indicates current input selected: <ul style="list-style-type: none"> • 0 - Composite Video • 1 - S-Video • 2 - Component Video • 3 - PC-1 • 4 - PC-2 • 5 - PC-2 • 6 - HDMI 1 • 7 - HDMI 2 • 8 - HDMI 3 • 9 - HDMI 4
Output_EDID_Fb	A	Indicates current selected output EDID: <ul style="list-style-type: none"> • 0 - Native

		<ul style="list-style-type: none"> • 1 - VGA (640x480@60) • 2 - SVGA (800x600@60) • 3 - XGA (1024X768@60) • 4 - SXGA (1280x1024@60) • 5 - UXGA (1600x1200@60) • 6 - 480i • 7 - 480p • 8 - 720p@60 • 9 - 1080i@60 • 10 - 1080p@60 • 11 - 576i@60 • 12 - 576p@60 • 13 - 720p@50 • 14 - 1080i@50 • 15 - 1080p@50 • 16 - WXGA (1280x800@60) • 17 - WSXGA (1680x1050@60) • 18 - WUXGA (1920x1200@60) • 19 - WXGA+ (1440x900@60) • 20 - SXGA+ (1400x1050@60)
Picture_Size_Fb	A	<p>Indicates current selected picture size:</p> <ul style="list-style-type: none"> • 0 - Full • 1 - Overscan • 2 - Underscan • 3 - Letterbox • 4 - Pan & Scan
Picture_Mode_Fb	A	<p>Indicates current selected picture mode:</p> <ul style="list-style-type: none"> • 0 - Standard • 1 - Movie • 2 - Vivid • 3 - User
Contrast_Level_Fb	A	Displays current contrast level. Range is 0 - 65535
Brightness_Level_Fb	A	Displays current brightness level. Range is 0 - 65535
Hue_Level_Fb	A	Displays current hue level. Range is 0 - 65535. Only applies to CV, SV, and COMP inputs
Saturation_Level_Fb	A	Displays current saturation level. Range is 0 - 65535. Only applies to CV, SV, and COMP inputs
Sharpness_Level_Fb	A	Displays current sharpness level. Range is 0 - 65535. Only applies to CV, SV, and COMP inputs
Volume_Level_Fb	A	Displays current volume level. Range is 0 - 65535
Position_Horizontal_Fb	A	Displays current horizontal picture position. Range -s 0 - 65535. Only applies to PC inputs
Position_Vertical_Fb	A	Displays current vertical picture position. Range -s 0 - 65535. Only applies to PC inputs
Color_Temp_FB	A	<p>Indicates current color temperature preset.</p> <ul style="list-style-type: none"> • 0 - Normal • 1 - Warm • 2 - Cool • 3 - User

Red_Level_Fb	A	Displays red color level. Range is 0 - 65535
Green_Level_Fb	A	Displays green color level. Range is 0 - 65535
Blue_Level_Fb	A	Displays blue color level. Range is 0 - 65535