

AV Connectivity, Distribution And Beyond...

VIDEO WALLS VIDEO PROCESSORS VIDEO MATRIX SWITCHES EXTENDERS SPLITTERS WIRELESS CABLES & ACCESSORIES

# Control Commands OSD Structure Web GUI Guide



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## SECTION I: COMMAND PROTOCOL FORMAT (RS-232 SERIAL PORT)

## I. SERIAL PORT SETTING

- Baud Rate: 115200bps
- Data Bit: 8 bits
- Parity: None
- Flow Control: None
- Stop Bit: I

#### **RS-232 Wiring (Cross Cable Connection)**

HDM-SPLITPRO-4A	
PIN	Assignment
I	NC
2	TxD
3	RxD
4	NC
5	GND
6	NC
7	NC
8	NC
9	NC

	Remote Cor	troller(PC)
	PIN	De finition
	I	NC
	2	RxD
	3	TxD
e	4	NC
Ç	5	GND
	6	NC
	7	NC
	8	NC
	9	NC

RS232 Pinout

#### RS232 Pinout





## 2. RS-232 & TELNET COMMANDS

All commands will be not executed unless followed with a carriage return (0x0d) and commands are case sensitive. Commands will not execute under window  $A \sim D$ .

COMMAND	DESCRIPTION
HELP/?	Displays all available commands.
SPOW M	Turn the unit's power on or off (stand-by).
RPOW	Display the current power state.
SRES M	Set the output resolution. Available values for M:
	U [480p@80Hz]
	2 [720p@50Hz]
	3 [720p@60Hz]
	4 [1080p@24Hz]
	5 [1080p@25Hz]
	6 [1080p@30Hz]
	7 [1080p@50Hz]
	8 [1080p@60Hz]
	9 [1024×768@60Hz]
	10 [1280×800@60Hz]
	II [1280×1024@60Hz]
	12 [1366×768@60Hz]
	I3 [I440×900@60Hz]
	14 [1600×900@60Hz]
	15 [1600×1200@60Hz]
	16 [1680×1050@60Hz]
	17 [1920×1200@60Hz]
	<pre>18 [Native] (Default = Native)</pre>
RRES	Display the current output resolution.
SIOSDD M	Enable/Disable on-screen information display. M = 0 [off], I [on] (Default = <b>0</b> )
RIOSDD	Display the current state of the on-screen information display.



COMMAND	DESCRIPTION
SOSDH M	Set the OSD's horizontal position.
	$M = 0 \sim 20$ (Default = 5)
ROSDH	Display the OSD's current horizontal position.
SOSDV M	Set the OSD's vertical position.
	M = 0~20 (Default = <b>5</b> )
ROSDV	Display the OSD's current vertical position.
SOSDT M	Set the OSD's visibility duration.
	M = 0 [OSD off], 5~50 [5~50 seconds] (Default = <b>10</b> )
ROSDT	Display the current OSD visibility duration.
SOSDG M	Set the transparency level of the OSD.
	$M = 0 \sim 10 \text{ (Default = 5)}$
ROSDG	Display the current OSD transparency value.
SBRI N M	Set the brightness value for a channel.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
	$M = 0 \sim 100 \text{ (Default = 50)}$
RBRI N	Display the current brightness value for the
	specified channel.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
SCON N M	Set the contrast value for a channel.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
	$M = 0 \sim 100 \text{ (Default = 50)}$
RCON N	Display the current contrast value for the specified channel.



COMMAND	DESCRIPTION
SSAT N M	Set the saturation value for a channel.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
	$M = 0 \sim 100 \text{ (Default} = 50)$
RSAT N	Display the current saturation value for the specified
	channel.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
SHUE N M	Set the hue value for a channel.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
	$M = 0 \sim 100 \text{ (Default = 50)}$
RHUE N	Display the current hue value for the specified
	channel.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
SSTILL N M	Set the image freeze state for a channel. $N = 0$ [all channels],
	I∼4 [single channel]
	M = 0 [off], I [on] (Default = <b>0</b> )
RSTILL N	Display the current image freeze state for a channel.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
SSWAP M	Activate the image swap feature between the
	specified channels.
	Available values for M:
	0 [Swap CH1 & CH2]
	1 [Swap CHI & CH3]
	2 [Swap CH1 & CH4]
	3 [Swap CH2 & CH3]
	4 [Swap CH2 & CH4]



COMMAND	DESCRIPTION
RSWAP M	Display current image swap settings for the
	specified channel pairs.
	Available values for M:
	0 [CH1 & CH2 current sources] 1 [CH1 & CH3
	current sources] 2 [CH1 & CH4 current
	sources] 3 [CH2 & CH3 current sources] 4
	[CH2 & CH4 current sources] 5 [CH3 & CH4
	current sources]
SPIRE	Reset the brightness, contrast, saturation and hue values for
	all channels to their defaults.
SIMRE M	Reset the brightness, contrast, saturation or hue value for all
	channels to its default.
	Augilable velves for Mu
	2 [contrast]
	4 [nue]
SHSIZE N M	Set the horizontal size (in pixels) of the specified channel.
	$M=0{\sim}X$ (Max value of X depends on the current resolution.)
RHSIZE N	Display the current horizontal size of the specified channel.
	$N = I \sim 4$ [channel]
SVSIZE N M	Set the vertical size (in pixels) of the specified
	channel
	$N = I \sim 4$ [channel]
	$M = 0 \sim X$ (Max value of X depends on the current resolution)



COMMAND	DESCRIPTION
RVSIZE	Display the current vertical size of the specified
	channel.
	$N = I \sim 4 [channel]$
SHPOS N M	Set the horizontal position (in pixels) of the top-left pixel of the
	specified channel.
	$N = I \sim 4$ [channel]
	$M = 0 \sim X$ (Max value of X depends on the current resolution.)
RHPOS	Display the current horizontal position of the specified
	channel.
	$N = I \sim 4$ [channel]
SVPOS N M	Set the vertical position (in pixels) of the top-left pixel of the
	specified channel.
	$N = I \sim 4$ [channel]
	$M = 0 \sim X$ (Max value of X depends on the current resolution.)
RVPOS	Display the current vertical position of the specified channel.
	$N = I \sim 4$ [channel]
SIMAGE N M	Enable or disable the display of the specified channel.
	$N = I \sim 4$ [channel]
RIMAGE N	Display the current display status of a channel.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
SPRI N M	Set channel window layer priority ( $I = top, 4 = bottom$ ).
	$N = I \sim 4$ [channel]
	$M = 1 \sim 4$ [priority]



COMMAND	DESCRIPTION
RPRI N	Show the selected channel's window layer priority.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
SLABEL N "Name"	Assign a name to a channel.
	$N = I \sim 4$ [channel]
	"Name" = Up to 9 alphanumeric characters.
RLABEL	Display the selected channel's name.
	$N = 0$ [all channels], $I \sim 4$ [single channel]
SSTORE M	Save the current channel window arrangement to a user
	Favorite (FAV) slot.
	$M = I \sim 4 [FAV I \sim FAV 4]$
SRECALL M	Select the Window mode or user Favorite channel
	arrangement to use.
	Available values for M:
	1 [Window A]
	2 [Window B]
	з [Window C]
	4 [Window D]
	5 [Window E]
	6 [Window F]
	7 [Window G]
	8 [Window H]
	9 [FAV I]
	10 [FAV 2]
	11 [FAV 3]
	12 [FAV 4]
SMIRROR M	Enable or disable the mirror effect.
	M = 0 [off], I [on]
RMIRROR	Display the current mirror setting.



COMMAND	DESCRIPTION
SFADE M	Set the fade in/fade out time.
	Available values for M (in seconds):
	Available values for M (In seconds):
	2 [1.1]
	3 [1.2]
	4 [1.3]
	5 [1.4]
	6 [1.5]
	7 [1.6]
	8 [1.7]
	9 [1.8]
	10 [1.9]
	11 [2.0]
	12 [2.1]
	13 [2.2]
	14 [2.3]
	15 [2.4]
	16 [2.5]
	17 [2.6]
	18 [2.7]
	19 [2.8]
	20 [2.9]
	21 [3.0] (Default = <b>0</b> )
RFADE	Display the current fade in/fade out setting.
SROTATE M	Set the full screen output rotation angle.
	Available values for M:
	0 [no rotation]
	I [90° right]
	2 [180°]
	$3 [90^{\circ} \text{ left}] (\text{Default} = 0)$
RROTATE	Display the current video rotation setting.



COMMAND	DESCRIPTION
SCHRKS M	Select a key color preset for the chroma key.
	Avrilable velves for Mi
	3 [Yellow]
	4 [Cyan]
	5 [Green]
	6 [Magenta]
	7 [Red]
	8 [Blue]
	9 [Black] (Default = 0)
RCHRKS	Display the current chroma key preset selection.
SCHRC N M	Set the Red, Green, and Blue color ranges for the chroma key.
	Available values for N:
	0 [User I, G max]
	1 [User I, G min]
	2 [User I, R max]
	3 [User I, R min]
	4 [User I, B max]
	5 [User I, B min]
	6 [User 2, G max]
	7 [User 2, G min]
	8 [User 2, B max]
	9 [User 2. B min]
	10 [User 2. R max]
	11 [User 2, R min]
	$M = 0 \sim 255$ [brightness level]



COMMAND	DESCRIPTION	
RCHRC N	Display the current brightness value of the selected chroma key item.	
	Available values for N:	
	0 [User I, G max]	
	1 [User I, G min]	
	2 [User I, R max]	
	3 [User I, R min]	
	4 [User I, B max]	
	5 [User I, B min]	
	6 [User 2, G max]	
	7 [User 2, G min]	
	8 [User 2, B max]	
	9 [User 2, B min]	
	10 [User 2, R max]	
	11 [User 2, R min]	
SCHRSW M	Enable or disable the chroma key function.	
	M = 0 [off], I [on] (Default = <b>0</b> )	
RCHRSW	Display the current chroma key function status.	
SIPM M	Set the IP mode to either DHCP or static IP.	
	M = 0 [DHCP], I [static IP] (Default = I)	
RIPM	Display the current IP mode.	
SIPADD N.N.N.N	Set the static IP address.	
	N = 0~255	
RIPADD	Display the current static IP address.	
SMAADD N.N.N.N	Set the static IP subnet mask.	
	N = 0~255	
RMAADD	Display the current static IP subnet mask.	
SGAADD N.N.N.N	Set the static IP gateway address.	
	N = 0~255	
RGAADD	Display the current static IP gateway address.	



COMMAND	DESCRIPTION
SETHT M	Set the Ethernet timeout.
	Avrilable values for Mr
	2 [20 min]
	3 [30 min]
	5 [50 min]
	6 [60  min] (Derault = 0)
RETHT	Display the current Ethernet timeout value.
RELINK	Re-link the unit after 2 seconds.
RMAC	Display the current MAC address.
IPCONFIG	Display the current Ethernet information.
DEFAULT	Reset the unit to factory defaults.
SVICH N M	Set the selected channel to display the specified
	video input.
	$N = 0$ [all channels], $I \sim 4$ [single channel] $M = I \sim 4$ [input]
RVICH	Display the current channel video sources.
SMUTE M	Set the mute status of the audio output.
	M = 0 [muto]   [unmuto] (Default = 1)
	$\Gamma = 0$ [mate], $\Gamma$ [ummate] (Delaut $= 1$ )
RMUTE	Display the current mute setting.
SAUDIO M	Set the output audio to the specified input.
	$M = I \sim 4$ [input]
RAUDIO	Display the currently selected audio source
	Display the currently selected addio source.
SCHRE N	Reset the position, size, and priority settings for the specified channel to the
	factory defaults.
	N = 0 [all channels], I ~4 [single channel]
SWICORE	Reset the Window A $\sim$ D rotation and mirror settings to the factory defaults.



COMMAND	DESCRIPTION				
RBIOS	Display the BIOS version.				
SLOGOD M	Enable or disable the logo display.				
RLOGOD	Display the current state of the logo display.				
SLOGOH M	Set the horizontal position (in pixels) of the top-left pixel of the logo. $M = 0 \sim X$ (Max value of X depends on the current resolution.)				
RLOGOH	Display the current horizontal position of the logo.				
SLOGOV M	Set the vertical position (in pixels) of the top-left pixel of the logo. $M = 0 \sim X$ (Max value of X depends on the current resolution.)				
RLOGOV	Display the current vertical position of the logo.				
SDEFLOGO	Load the factory default logo.				
SNEWLOGO	Begin the new logo upload process.				

Using TCP/IP protocol, sent to Port 23 for Telnet communication. The user can confirm from the OSD menu or through RS-232 command to check Telnet connection behavior

> Microsoft Windows [Version 6.1.7601] Copyright (c) 2009 Microsoft Corporation. All rights reserved. C:\Users\Administrator>telnet 192.168.5.80 23



## 3. OSD MENU

LEVEL I	LEVEL 2	LEVEL 3	LEVEL 4
I/O Setup	Output Resolution	480p	
		576р	
		720p50	
		720p60	
		1080p24	
		1080p25	
		1080p30	
		1080p50	
		1080p60	
		1024×768	
		1280×800	
		1280×1024	
		1366×768	
		1440×900	
		1600×900	
		1600×1200	
		1680×1050	
		1920×1200	
I/O Setup	Output Resolution	Native	
		Menu Exit	



LEVEL I	LEVEL 2	LEVEL 3	LEVEL 4
I/O Setup (cont.)	Output Windows	Window A	
		Window B	
		Window C	
		Window D	
		Window E	_
		Window F	_
		Window G	_
		Window H	
	Output Windows	Win Fav I	_
		Win Fav 2	_
		Win Fav 3	_
		Win Fav 4	
		Menu Exit	
	OSD Settings	Info Display	On/ <b>Off</b>
		H Offset	0∼20 <b>(5)</b>
		V Offset	0∼20 <b>(5)</b>
		Timeout	Off~50 (10)
		Transparent	0∼10 <b>(2)</b>
		Menu Exit	
	Logo Settings	Logo Display	On/ <b>Off</b>
		Logo H-Pos	0~74 <b>(73)</b>
		Logo V-Pos	0~68 <b>(6)</b>
		Load Def Logo	On/ <b>Off</b>
		Load New Logo	On/ <b>Off</b>
		Menu Exit	
	Menu Exit		



LEVEL I	LEVEL 2	LEVEL 3	LEVEL 4
Image Adjust	Brightness Adjust	CHI	0∼100 <b>(50)</b>
		CH2	0∼100 <b>(50)</b>
		CH3	0∼100 <b>(50)</b>
		CH4	0∼100 <b>(50)</b>
		Value Reset	
		Menu Exit	
	Contrast Adjust	CHI	0∼100 <b>(50)</b>
		CH2	0∼100 <b>(50)</b>
		CH3	0~100 <b>(50)</b>
		CH4	0~100 <b>(50)</b>
		Value Reset	
		Menu Exit	
	Hue Adjust	CHI	0~100 <b>(50)</b>
		CH2	0~100 <b>(50)</b>
		CH3	0~100 <b>(50)</b>
		CH4	0~100 <b>(50)</b>
		Value Reset	
		Menu Exit	
	Saturation	CHI	0~100 <b>(50)</b>
		CH2	0~100 <b>(50)</b>
		CH3	0~100 <b>(50)</b>
		CH4	0~100 <b>(50)</b>
		Value Reset	
		Menu Exit	
	Image Still Adjust	CHI	On/ <b>Off</b>
		CH2	On/ <b>Off</b>
		CH3	On/ <b>Off</b>
		CH4	On/ <b>Off</b>
		Value Reset	
		Menu Exit	



LEVEL I	LEVEL 2	LEVEL 3	LEVEL 4
Image Adjust (cont.)	Image Swap	CH I CH 2 Swap	
<b>U</b> , ()		CH I CH 3 Swap	
		CH I CH 4 Swap	
		CH 2 CH 3 Swap	
		CH 2 CH 4 Swap	
		CH 3 CH 4 Swap	
Window Setup	Channel	Size	Width Unit
•			Width Ten
	I∼4 Select		Width Hundred
			Height Unit
			Height Ten
			Height Hundred
			Value Rest
			Menu Exit
		Position	Width Unit
			Width Ten
			Width Hundred
			Height Unit
			Height Ten
			Height Hundred
			Value Rest
			Menu Exit
		Image Output	<b>On</b> /Off
		Priority	1/2/3/4
		Window Reset	
		Menu Exit	



LEVEL I	LEVEL 2	LEVEL 3	LEVEL 4
Window Setup	Label Select	Video I	
		Video 2	
(cont.)		Video 3	
		Video 4	
		Menu Exit	
	Fav. Store	FAV   Store	On/ <b>Off</b>
		FAV 2 Store	On/ <b>Off</b>
		FAV 3 Store	On/ <b>Off</b>
		FAV 4 Store	On/ <b>Off</b>
		Menu Exit	
	Menu Exit		
Window	Channel I~4	Mirror	On/ <b>Off</b>
Convert	Convert	Fade In-Out	<b>Off</b> /1.0/1.1/1.2/1.3/1.4/
Convert	Convert		
			1.3/1.6/1.7/1.6/1.7/2.0/
			2.1/2.2/2.3/2.4/2.5/2.6/
		Rotation	L90/R90/180/ <b>Off</b>
		Window Reset	_
		Menu Exit	
	Menu Exit		
Chromakey Setup	User I	Minimum for R/G/B	000~255 <b>(0)</b>
		Maximum for R/G/B	222~255 <b>(255)</b>
	User 2	Minimum for R/G/B	000~255 <b>(0)</b>
		Maximum for R/G/B	222~255 <b>(255)</b>
	White	Minimum for R/G/B	000~255 <b>(233)</b>
		Maximum for R/G/B	222~255 <b>(255)</b>
	Yellow	Minimum for R/G/B	000~255 <b>(233/233/0)</b>
		Maximum for R/G/B	222~255 <b>(255/255/16)</b>
	Cyan	Minimum for R/G/B	000~255 <b>(233/0/233)</b>
	-	Maximum for R/G/B	222~255 <b>(255/16/255)</b>



LEVEL I	LEVEL 2	LEVEL 3	LEVEL 4
Chromakey	Green	Minimum for R/G/B	000~255 <b>(233/0/0)</b>
Setur (cont.)		Maximum for R/G/B	222~255 (255/16/16)
Setup (cont.)	Magenta	Minimum for R/G/B	000~255 <b>(0/233/233)</b>
		Maximum for R/G/B	222~255 (16/255/255)
	Red	Minimum for R/G/B	000~255 <b>(0/233/0)</b>
		Maximum for R/G/B	222~255 <b>(0/233/0)</b>
	Blue	Minimum for R/G/B	000~255 <b>(0/0/232)</b>
		Maximum for R/G/B	222~255 (16/16/255)
	Black	Minimum for R/G/B	000~255 <b>(0)</b>
		Maximum for R/G/B	222~255 <b>(16)</b>
	Chromakey	On/ <b>Off</b>	
	Menu Exit		
Ethernet Setup	IP Mode	Static/DHCP	
	Static Set	IP/Mask/Gate	
	Bytel High	192 (192)	
	Byte2	68 <b>( 68)</b>	
	Byte3	(1)	
	Byte4 Low	50 <b>(50)</b>	
	Time Out	<b>Off</b> /10/20/30/40/50/	
	Re-Link	No/Yes	_
	Menu Exit		
Audio Setup	Audio Source	Mute/CH1~CH4	
Sys Reset	On/ <b>Off</b>		
Information	Screen HDMI		
	Native		
	F/W Version		
	F/W Upgrade		
	Menu Exit		
Menu Exit			

**Chromakey Setup works only under CH1& CH2** where CH1 is the background and CH2 is the top layer. This special function is designed for picture overlap video such as news reporter, weather forecast or educational video taping. CH2 the top layer's background color is usually a single color which can be easy for remove. RGB's setting is for CH2 video where the minimum setting figures cannot be greater than the maximum figures and the maximum figures cannot be lower than the minimum setting figures. When input 1 or 2 has no source connection a warning message will appear on OSD.



## 4. WebGUI Control

All main functions of this unit are accessible via the built in WebGUI. This control is presented across 8 tabs, including Image Adjust, Image Swap, Output Resolution, Windows Setup, OSD/LOGO Settings, Window Convert, Chromakey Setup and Ethernet. Depending on the unit's current operation mode, some tabs will be disabled.

To access the WebGUI, open a web browser on a PC/Laptop that is connected to an active network and type the unit's IP address (available from the OSD menu) into the web address entry bar.



#### **Common Functions:**

The top section of each tab is dedicated to presenting a standard selection of information and basic controls including channel & output information, unit status, source, and window selection, and favorite preset storing.

- (1) **Information-In:** Displays the detected resolution for each of the 4 window channels.
- (2) **Information-Out:** Displays the current output resolution and Window Mode.
- (3) **Status:** Displays current input to channel mapping and provides a control to turn the unit on/off (stand-by).
  - (4) **Source:** Provides controls to set the Window Mode ( $A \sim H$ , Fav I  $\sim$  4), set the input to channel mapping, select the live audio source or to mute the output audio.
  - (5) FAV. Store/Factory: Provides controls to store the current window channel sizes and positioning as a user Favorite (1~4). Click on the "Factory Default" button to reset the entire unit to the factory defaults.



## Image Adjust

Select the "Image Adjust" tab to adjust the contrast, saturation, brightness, brightness and hue of each channel window. Additionally, each channel can be paused/un-paused independently, or all at the same time.



#### Image Swap

(Multi-Window Mode  $[E \sim H]$  only)

Click on the "Image Swap" tab to access a set of quick shortcuts for swapping pairs of channel sources.

Image Adjust	Information-In	Information-Out	Status	Source	FAV.Store/Factory
Image Swap	IN1 : 1080P60	OUT : NATIVE	Power: ON OFF	Window Mode : Window E 🗸	FAV Store Concel M Small
Output Resolution	IN3 : 1080P60	Window Mode : Window E	CH 1 From Input 1 CH 2 From Input 2	CH 1 V From Input 1 V	
Windows Setup	IN4 : 1080P60		CH 3 From Input 1 CH 4 From Input 3	Mate: OFF ON	Factory Default
OSD LOGO Settings		·			
Window Convert					
Chromakey Setup					
Ethernet					
		Image	Swap	1	
			CH1 CH2 SWAP		
			CH1 CH3 SWAP		
			CH1 CH4 SWAP		
			CH2 CH3 SWAP		
			CH2 CH4 SWAP		
			CH3 CH4 SWAP		



## **Output Resolution**



Click on the "Output Resolution" tab to set the output resolution for the unit.

#### Windows Setup

(Multi-Window Mode  $[E \sim H]$  only)

Click on the "Windows Setup" tab to configure each channel window's size, position, depth priority, and label. The individual channels may also be enabled/disabled. These settings can be directly entered as values on the left side of the tab, or the channel windows can be positioned and resized using the mouse within the graphical representation of the output layout.

Click and drag the center of a channel window to reposition it. Click and drag the bottom or right side of a channel window to re-size it. Double-click on a channel window will disable the output of that channel





Notes:

- The positioning coordinates are measured from the upper-left corner of each channel window and the values depend on the selected output resolution.
- All changes made via mouse control occur immediately and are saved to the current Window Mode. To apply and save changes made via text entry the "Save" button must be pressed.

## **OSD/LOGO Settings**

Click on the "OSD/LOGO Settings" tab to configure the OSD & LOGO's function and screen position.



- (1) **OSD Settings:** The OSD info display that appears when an input is changed can be enabled or disabled. Additionally, the OSD Menu position, timeout period, and transparency level can be configured here.
- (2) LOGO Settings: This section provides controls for the user uploadable graphic logo function. The logo can be turned on/off and freely positioned in 1% increments. Similar to channel windows the positioning is figured from the top left corner. Activating the logo upload procedure can be done from here or the logo can be returned to the unit's built-in default image.

Note: For detailed Logo upload instructions please refer to section 6.2 "USB SERVICE ONLY".



#### Window Convert

(Single Window Mode [A~D] only)

Click on the "Window Convert" tab to access controls for mirror mode, 90° rotation and crossfade length.

Image Adjust	Information In	Information-Out	Status	Source	FAV.Store Factory
Image Swap	2N1 : 1080P60	OUT : NATIVE	Power: ON OFF	Window Mode : Window B	FAV Store (Chevral Sci Utiliant)
Output Resolution	2N3 : 1080P60	Window Mode : Window B	CH 1 From Input 1 CH 2 From Input 2	CH 2 V From Input 2 Y	TATANA (Service) (Interes)
Windows Setup	IN4 : 1080P60		CH 3 From Input 1 CH 4 From Input 3	Mate: OFF	Factory Detault
OSD 1.0GO Settings	-				
Window Convert				1	Window A Window B
Chromakey Setup				3	Window C Window D
Ethernet			Off		Window F Window F
		Wind	ow Convert		Window H
		Mirror	ON OFF		FAV 2 FAV 2
		Fade In	Out : OFF 1.5s		FAV.4
		Rotatio	n: OFF V 1.7s 1.8s		
		R9	Window Reset 1.9s 2.0s		
		180	2.16		
			2.3s 2.4s		
			2.5%		

Note: When rotation is enabled, crossfade and chromakey functionality is disabled.

#### **Chromakey Setup**

(Single Window Mode  $[A \sim D]$  only)

Click on the "Chromakey Setup" tab to allow the activation and configuration of Chromakey mode. Enabling the Chromakey mode will automatically switch to displaying Input 1 underneath Input 2 with the selected key values applied to Input 2's source video. The unit comes with 8 pre-defined standard key definitions (White, Yellow, Cyan, Green, Magenta, Red, Blue, Black) and 2 User configurable definition sets. When Input 1 or 2 has no live source a warning message will appear on the OSD.

Image Adjust	Information-In	Information-Out	Status	Source	FAV.Store Factory
Image Swap	IN1 : 1080P60 IN2 - 1080P34	OUT : NATIVE	Power: ON OFF	Window Mode : Window B 🗸	FAUStore Cancel V (Hawaii
Output Resolution	DN3 : 1080P24	window Node : window B	CH 1 From Input 1 CH 2 From Input 2	CH 2 V From Input 2 V	and the second second
Windows Setup	DN4 : 1080P24		CH 3 From Input 2 CH 4 From Input 2	Mate: OFF ON	Factory Default
OSD LOGO Settings					·
Window Convert					
Chromakey Setup					
Ethernet		Chron	nakey Setup		
		Color S	iel : Usert 🔍 Save	to User1	
		G Maxi	imum : 255 🗸 🔪	r1	
		G Mini	mum : 0 V Wh	ite	
		R Maxi	imum : 255 💙 Cya	iow In	
		R Mini	mum : 0 V Ma	penta	
		B Maxi	mum : 255 V Blu	0 0	
		B Mini	mum : 0 V	CK	
		Chroma	akey : ON OFF		

Note: When Chromakey is enabled, crossfade and rotation functionality is disabled.



#### Ethernet

Click on the "Ethernet" tab to access control of the IP configuration for the unit. The IP Address, subnet mask and Gateway can be set manually, or DHCP can be enabled for automatic IP configuration if your local network supports it. The Telnet Timeout can also be set, allowing control of the length of inactivity time before the unit releases its network connection with a network connected control device. Click on "Save Changes" to confirm and activate any changes made to the settings. The unit needs to re-link to the network after any changes have been made and will automatically perform this operation once "Save Changes" has been clicked.

Image Adjust	Information-In	Information Out	Status	Source	FAV.Store/Factory
Image Swap	IN1 : 1080P60	OUT : NATIVE	Pouse: ON OFF	Window Mode : Window E 🗸	Fat/Store Coreal M. Diterall
Output Resolution	IN3 : 1080P60	Window Mode : Window E	CH 1 From Input 1 CH 2 From Input 2	CH 1 V From lapot 1 V	THE GREET
Windows Setup	IN4 : 1080P60		CH 3 From loput 1 CH 4 From logut 3	Audio From CH 2 V	Factory Default
OSD LOGO Settings					·
Window Convert					
Chromakey Setup					
fillernet		Ethern	d		
		🗹 DHC	p		
		MAC :	F8-22-85-00-05-40		
		IP Addr	nss : 192.168.5.234		
		Netmask	: 255 255 255 0		
		Gateway	192 168 1 254	Save Changes	
		- Conner			
		Teinet T	Imeour : 055 10 min 20 min 30 min 40 min 50 min 60 min		

Note: If the IP address is changed then the IP address required for WebGUI or Telnet access will also change accordingly.



## Notes





AV Connectivity, Distribution And Beyond...

# **TECHNICAL SUPPORT**

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