

An SVSI system is comprised of Encoders, Decoders, and other available accessories including Network Video Recording (NVR) solutions, Windowing Processor (WP) units, and Audio Transceivers (ATRs). The system allows you to distribute HD video and audio across a Gigabit Ethernet network. Each device is controllable via TCP/IP direct socket using device IP addresses and port 50002. Port 50002 supports a single connection at one time and rejects all other connection attempts until the established connection is closed. Refer to this document to find the commands needed for your Windowing Processor application.

NOTE: This information is considered current as of the date of publication. AMX reserves the right to add/modify/remove commands and change the standard response packet as needed.

NOTE: Window numbers index at 0.

NOTE: In the Example sections of this document, <CR> indicates a carriage return as defined by your control method (e.g., r, x0d, \$0d, 0x0d, 0x0d, 0dH). <CRLF> is also supported, but not required.

API Command List

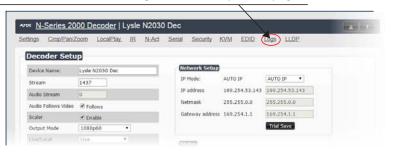
Command	Description	Variables	Example
winset	Set coordinates for window arrangement.	 Window number (0-3). xUL, yUL: x, y coordinates (in pixels) for upper-left corner of window. xLR, yLR: x, y coordinates (in pixels) for lower-right corner of window. 	winset:1:0,0,960,540 <cr></cr>
cropref	Set crop parameters (based on 1080p reference).	 Window number (0-3). xUL, yUL: x, y crop coordinates (in pixels) for upper-left corner of window. xLR, yLR: x, y crop coordinates (in pixels) for lower-right corner of window. 	cropref:1:963,542,1920,1080 <cr></cr>
cropref4K	Set crop parameters (based on 4K reference).	 Window number (0-3). xUL, yUL: x, y crop coordinates (in pixels) for upper-left corner of window. xLR, yLR: x, y crop coordinates (in pixels) for lower-right corner of window. 	cropref4K:1:1926,1084,3839,2159 <cr></cr>
set	Set stream number for designated window.	• Window number (0-3). • Stream number (1-32767).	set:1:240 <cr></cr>
setz	Set layering/priority order of the windows.	Window number (0-3). Z settings (1-4, with 4 being the top-most).	setz:1:1 <cr></cr>
setbord	Set window border.	 Window number (0-3). Vertical border width (in pixels). Horizontal border width (in pixels). 	setbord:1:8,8 <cr></cr>
setbordcol	Set window border color.	• Window number (0-3). • RGB values (0-255).	setbordcol:1:124,168,205 <cr></cr>
bordon	Turn on border for window.	Window number (0-3).	bordon:1 <cr></cr>
bordoff	Turn off border for window.	Window number (0-3).	bordoff:1 <cr></cr>
winon	Turn on window.	Window number (0-3).	winon:1 <cr></cr>
winoff	Turn off window.	Window number (0-3).	winoff:1 <cr></cr>
preset	Load preset settings. The presets have numbers that precede their names in the Load Custom Preset drop-down menu of the webpage.	Preset number.	preset:10 <cr></cr>
seta	Set the audio input stream.	Audio source stream number (1-32767).	seta:1 <cr></cr>
mute	Mute audio.		mute <cr></cr>
unmute	Unmute audio.		unmute <cr></cr>

Command	Description	Variables	Example
setbkgd	Set background image.	Background number (1-4).	setbkgd:2 <cr></cr>
bkgndloaded	Refresh the window to the newly uploaded background.	Window number (0-3).	bkgndloaded:1 <cr></cr>
modeset	Set output resolution of Windowing Processor.	Mode name. 1080p 1080p24 1080p50 1080p59.94 1080p60 2160p 2160p30 2160p50 2160p59.94 2160p60 4096x2160p24 4096x2160p60	modeset:1080p <cr></cr>
windowReset	Restart a window.	Window number (0-3).	windowReset:1 <cr></cr>
getStatus	Returns current device status string in XML form.		getStatus <cr> or ?<cr></cr></cr>
setSettings:name	Set a unit name for the Windowing Processor.	Serial string (255 character max).	setSettings:name:Conf WP 2 <cr></cr>
setSettings:quality	Set compression level of stream.	Quality value (1-100). The higher the value, the better the quality.	setSettings:quality:80 <cr></cr>
setSettings: audioDelay	Set an audio delay (in milliseconds).	Delay value in milliseconds (1-255).	setSettings:audioDelay 50 <cr></cr>
setSettings: setStream	Set the output stream number for the Windowing Processor.	Stream number (1-32767).	setSettings:setStream 240 <cr></cr>
setSettings: mode	Enable or disable output stream.	on off	setSettings:mode off <cr></cr>
setSettings: mediaPort0	Allow or disallow multicast on the PO port.	on off	setSettings:mediaPort0 on <cr></cr>
setSettings: mediaPort1	Allow or disallow multicast on the P1 port.	on off	setSettings:mediaPort1 off <cr></cr>
setSettings: mediaPort2	Allow or disallow multicast on the P2 port.	on off	setSettings:mediaPort2 on <cr></cr>

API Command Discovery

Follow these steps to discover API commands using the web interface's **Logs** page. *NOTE: This example features an SVSI system Decoder, but the steps also apply to most SVSI system products.*

1. Log in to your unit's web interface and click the **Logs** link at the top of the page.



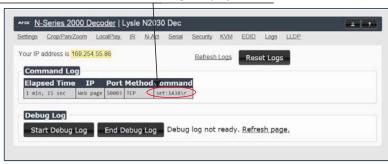
2. Click the Reset Logs button.

Settings	Crop/Pan/Zoom	LocalPlay.	IB N-Ad	Secial	Security	KVM	EDID	Logs	LLDP	
our IP a	address is 169.25	4.55.86			Refresh	Logs	Rese	t Logs		
Com	mand Log									
Comn	nand log is em	npty.								
Dob	ig Log									
Dept		_		- 10 March 10		ready.				

3. Change a setting. For this example, we are discovering the API command used to change the Stream setting.

Settings Crop/ParkZoom LocalPlay. IR N-Act Serial Security KV/M EDID Logs LLDP Decoder Setup Device Name: Le N2030 Dec Wetwork setup IP Mode: AUTO IP IP Mode:	Network Setup	Decoder Setuy Device Name: Le N2030 Dec IP Mode: AUTO IP .		Series 2000 I		·								÷ 4 1
Device Name: Me N2030 Dec IV Mode: AUTO IP AUTO IP	IP Mode: AUTO IP •	Device Name: N2030 Dec Stream 1438 Audio Stream 0	settings	Crop/Par/Zoom	LocalPlay	IR	N-Act	Serial	Security	KVM	EDID	Logs	LLDP	
Device Name: Ve N2030 Dec TO Mode: AUTO TO AUTO TO	IP Mode: AUTO IP •	Device Name: Metwork Sector Stream 143 Audio Stream 0												
Device Name: Vie N2030 Dec IV Mode: AUTO IP AUTO IP	IP Mode: AUTO IP •	Device Name: IP N2030 Dec Stream 1428 Audio Stream 0 IP address 169.254.53.143	Deco	nder Setun										
Device Name: Dife N2030 Dec ID Mode: Alifo IP Alifo IP	IP Mode: AUTO IP •	University Auto IP Auto IP Auto IP • Audio Stream 0 IP address 169.254.53.143 169.254.53.143	Dect	Juer Detap										
TP Mode: ALTO TP ALTO TP	IP Mode: AUTO IP •	Stream 1438 IP Mode: AUTO IP AUTO IP Audio Stream 0 IP address 169.254.53.143 169.254.53.143		-				Net	work Setu					
Stream (1438 IP Mode: AUTO IP AUTO IP •		Stream 1438 Audio Stream 0 IP address 169.254.53.143 169.254.53.143 169.254.53.143	Davies											
	IP address 169.254.53.143 169.254.53.143	Audio Stream 0 IP address 169.254.53.143 169.254.53.143	Device	a Name:	e N2030 Dec		_			-				
	IP address 169.254.53.143 169.254.53.143	Audio Stream 0			-		_	IP I	tode:	AUTO	IP	AUTO	IP •	
Aurão Straam 0					-									

4. Return to the Logs page. The API command for the change displays here.



Please contact SVSI technical support at <a href="mailto:system:sys



© 2018 Harman. All rights reserved. AMX, AV FOR AN IT WORLD, and HARMAN, and their respective logos are registered trademarks of HARMAN. Oracle, Java and any other company or brand name referenced may be trademarks/registered trademarks of their respective companies. AMX does not assume responsibility for errors or omissions. AMX also reserves the right to alter specifications without prior notice at any time. The AMX Warranty and Return Policy and related documents can be viewed/downloaded at www.amx.com. **3000 RESEARCH DRIVE, RICHARDSON, TX 75082 AMX.com | 800.222.0193 | 469.624.8000 | +1.469.624.7400 | fax 469.624.7153 AMX (uk) LTD, AMX by HARMAN - Unit C, Auster Road, Clifton Moor, York, Y030 4GD United Kingdom + 44 1904-343-100 • www.amx.com/eu/** 850-2410CMD REV: A