N8012

The SVSi N-Command N8012 has all the functionality of the N8002. It also operates as an enterprise-level controller and includes redundant back-up power supply, mirrored SSD drives, and fail-over protocol for use with master/slave configurations.

IP Addresses

Eth0 port: 192.169.1.99 Eth1 port: 169.254.10.99

Physical

18" x 17.5" x 3.5" 30 pounds Rack-Mount Unit



Note: The video, keyboard, mouse and additional ports on the back of the unit are not used for daily operation. You will not be able to access the N-Command software from the unit directly. There is no need to attach a keyboard/mouse or monitor to the unit.

Accessing N-Command

N-Command has a web-based interface. To access the interface, open a web browser and navigate to the unit's IP address. SVSi recommends Google Chrome or Mozilla Firefox for this.

Default Username: admin
Default Password: password

Enable Third-Party Control

The control system will need to establish a single persistent socket connection between the control system and the N-Command unit. The socket needs to connect to port 50020.

For Multiple Processors/Brands

There is virtually no limit to the number of connections that can be established between third-party control systems and the N-Command units. However, it is recommended if an application will require greater than 80 connections that a second unit be purchased for load balancing applications or master/slave setups. Please contact technical support about your application if you have questions about this process.

System Setup Using Push Notifications

N-Command supports push notification systems for third-party control systems as well as raw socket (versus telnet) connections. The advantages of this include:

- No polling needed. When N-Command detects a change in one of the monitored fields, the unit sends a
 notice to the third-party control system with the update for the unit.
- Simplified status packets for all monitored devices. Status packets contain all relevant information for system operation and monitoring. Details are provided in the tables found later in this document.

To Enable Push Notifications for Devices

- 1. Every time a connection is initiated, a monitor command must be sent out from the third-party control system with the IP address of the device to be monitored. The command is:
 - monitor <IPAddress> CRLF
- 2. After a device is monitored, the status of that device will be reported when a change occurs. To get the status of a monitored device at any time (when no changes have occurred) send the following command:

 monitornotify <ipAddress> CRLF
- 3. The simplified status responses are detailed later in this document.
- 4. If a connection is dropped, the monitor command must be present when the connection is re-established.
- 5. Simplified status packets are encapsulated in an XML block of <status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>...</status>......command acknowledgments).............command acknowledgments).............

Telnet Sessions

N-Command units may also be controlled via telnet sessions using port 50008. Legacy control system integration uses this method for control. Legacy programs will continue to function using telnet via port 50008. This is also a useful tool for system programmers to test commands prior to integrating with a third-party control system.

Command Structure

All commands detailed in this document follow the same general format. They can be generated from within N-Command software by going to **Tasks > Scripts** and using the drop-down menus to automatically generate control codes. For those pre-programming hardware, use the tables provided in this document to determine your commands following this structure:

<action> <destination> <requiredInformation>

OR

Switch 169.254.10.104 221



Note: All fields are separated by a space.

Panel Builder

N-Command units offer a GUI application called Panel Builder. You can use panels as a standalone control option or as an extension to a third-party control system. Generate panels for display on any mobile device or PC/Mac. The look and feel is completely customizable. Programming, design, and implementation are incredibly fast using the built in-controls. For more information on Panel Builder please visit our website: http://svsiav.com/video-over-ip-products/n-control/management-systems/panel-builder//.

For more information on how to integrate Panel Builder as your control interface, please contact our Pre-Sales technical team for additional information and training resources.

Additional Help

For additional information or troubleshooting, please contact SVSi Technical Support between 8:00 AM and 5:00 PM Central Standard Time at 256-461-7143 or email support@svsiav.com.

Encoder Commands

| Command | Description | Required Variables | Example | N-Series Support | V-Series Support |
|------------------|--|--|---|---------------------|---------------------|
| live | Sets Encoder or Decoder to live play mode. | Encoder IP | live 169.254.104.1 < J | Υ | Υ |
| modeoff | Disables the Encoder from broadcasting any traffic to the network. If any Encoders are viewing this stream, they will transition to local play (loss of stream). | Encoder IP | modeoff 169.254.105.25< ^J | Y | Y |
| local | Activates a Host playlist. Valid options are 1-8. | Encoder IP and playlist number | local 169.254.30.238 1 < ^J | Υ | Υ |
| serial | Sends stored serial command (referenced by CommandID #) to device at IP address. Command not valid for V-Series Encoders. | Encoder IP and serial command ID | serial 169.254.17.88 29<-J | Y | N |
| serialhex | Sends raw serial command (HEX) to device through N-Command. Wait time determines time for N-Command to automatically ask for the response from the attached device. | wait time (in seconds), Encoder IP, serial command HEX | serialhex 1 169.254.17.88 43 4f 4d 4d 41 4e 44 <j< td=""><td>Y</td><td>N</td></j<> | Y | N |
| serialhex | Sends raw serial command (ASCII) to device through N-Command. Wait time determines time for N-Command to automatically ask for the response from the attached device. | wait time (in seconds), Encoder IP, serial command ASCII | serialhex 1 169.254.17.88 "COMMAND" <j< td=""><td>Y</td><td>N</td></j<> | Y | N |
| readresponse | Reads the response from a serial command sent from N-Command where "Read Response" checkbox was enabled when command is saved, or serialhex command is used. | Encoder IP | readresponse 169.254.17.88<-J | Y | N |
| sendir | N-Series devices only: Executes IR command saved on Encoder/Decoder. Reference is by name, and is case sensitive. | Encoder IP, command name | sendir 169.254.212.1 Play< ^J | Y | N |
| sendirraw | N-Series devices only: Executes IR command without saving command on device. Uses long form Pronto HEX Codes provided by equipment manufacturer. | Encoder IP, IR pronto code | sendirraw 169.254.38.121 0000 006C 0022 0000 015B 00AD 016 0016 0016 0016 0016 0016 0016 0016 | Y | N |
| audioon | Enables audio output for Encoder or Decoder. | Encoder IP | audioon 169.254.30.238<- | Υ | Υ |
| audiooff | Disables audio output for Encoder or Decoder. | Encoder IP | audiooff 169.254.30.238< ^J | Υ | Υ |
| enablecc | Enables Color Space Correction (use if screen is pink or green). | Encoder IP | enablecc 169.254.105.1<- | Υ | Υ |
| disablecc | Disables Color Space Correction (use if screen is pink or green). | Encoder IP | disablecc 169.254.105.1< ^J | Υ | Y |
| autocc | Sets Color Space Correction to Auto (N-Series Encoders ONLY). | Encoder IP | autocc 169.254.105.1< ^J | Υ | N |
| enablehdmiaudio | Enables HDMI audio on Encoder (if video source is analog, this is disabled by default). | Encoder IP | enablehdmiaudio 169.254.105.1<- | Υ | Υ |
| disablehdmiaudio | Disables HDMI audio, and will only use Analog Audio connection. | Encoder IP | disablehdmiaudio 169.254.105.1 <j< td=""><td>Υ</td><td>Υ</td></j<> | Υ | Υ |
| autohdmiaudio | N-Series devices only: Encoder detects HDMI audio support via Source EDID information and enables/disables as appropriate. | Encoder IP | autohdmiaudio 169.254.105.1< | Y | N |
| uncompressedoff | Turns compression on for V-Series Encoder. | Encoder IP | uncompressedoff 169.254.229.208<-J | N | Υ |

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Decoder Commands

| Command | Description | Required Variables | Example | N-Series Support | V-Series Support |
|--------------|--|---|---|---------------------|---------------------|
| switch | Switches Decoder video stream by IP address. If Decoder audio follows is enabled, this will switch the audio stream as well. | Decoder IP and Encoder IP | switch 169.254.104.1 169.254.105.1 < | Y | Y |
| switch | Switches Decoder video stream by Encoder stream number. If Decoder audio follows is enabled, this will switch the audio stream as well. | Decoder IP and Encoder stream number | switch 169.254.104.1 212 < J | Y | Y |
| switchaudio | Switches Decoder audio stream by IP address. This will only switch the audio stream. Note: Decoder will have an * next to its name in the matrix when the device is not set to audio follow video. | Decoder IP and Encoder IP | switchaudio 169.254.104.1 169.254.105.1 < ^J | Y | Y |
| switchaudio | Switches Decoder audio stream by Encoder stream number. This will only switch the audio stream. Note: Decoder will have an * next to its name in the matrix when the device is not set to audio follow video. | Decoder IP and Encoder stream number | switchaudio 169.254.104.1 212 < ^J | Y | Y |
| audiofollow | Sets the Decoder back to audio follow mode. If currently listening to a different audio stream, box will immediately switch to current video stream's audio. Can also be accomplished by sending a switchaudio command to set to stream 0. | Decoder IP | audiofollow 169.254.104.1 < ^J | Y | Y |
| live | Sets Decoder to live play mode. | Decoder IP | live 169.254.104.1 < J | Υ | Υ |
| local | Activates a local playlist. Valid Options are 1-8. Check device limitations (some devices only support playlist 1). | Decoder IP AND playlist number | local 169.254.30.238 1 <j< td=""><td>Υ</td><td>Υ</td></j<> | Υ | Υ |
| serial | Sends stored serial command (referenced by CommandID #) to device at IP address. | Decoder IP and serial command | ID serial 169.254.17.88 29< ^J | Υ | Υ |
| serialhex | Sends raw serial command (HEX) to device through N-Command. Wait time determines time for N-Command to automatically ask for the response from the attached device. | wait time (in seconds) Decoder IP, serial command HEX | serialhex 1 169.254.17.88 43 4f 4d 4d 41 4e 44 <j< td=""><td>Y</td><td>Y</td></j<> | Y | Y |
| serialhex | Sends raw serial command (ASCII) to device through N-Command. Wait time determines time for N-Command to automatically ask for the response from the attached device. | wait time (in seconds), Decoder IP, serial command ASCII | serialhex 1 169.254.17.88 "COMMAND" <j< td=""><td>Y</td><td>Y</td></j<> | Y | Y |
| readresponse | Reads the response from a serial command sent from N-Command where the "Read Response" checkbox was enabled when command is saved, or where serialhex command is used. | Decoder IP | readresponse 169.254.17.88<-J | Y | Y |
| volume | Sets the Decoder's volume level (0-100). | Decoder IP | volume 169.254.225.39 50< ^J | Υ | Υ |
| sendir | Executes IR command saved on Decoder. Reference is by name and is case sensitive. | Decoder IP, command name | sendir 169.254.212.1 Play<- ^J | Υ | N |
| | | | | | |

Decoder Commands (Continued)

| Command | Description | Required Variables | Example | N-Series Support | V-Series Support |
|------------------|--|---------------------------------------|--|---------------------|---------------------|
| sendirraw | Executes IR command without saving command on device. Uses long form Pronto HEX Codes provided by equipment manufacturer. | Decoder IP, IR pronto code | sendirraw 169.254.38.121 0000 006C 0022 0000 015B 00AD 016 0016 0016 0016 0016 0041 0041 0016 0016 | Y | N |
| audioon | Enables audio output for Decoder. | Decoder IP | audioon 169.254.104.1<- | Υ | Υ |
| audiooff | Disables audio output for Decoder. | Decoder IP | audiooff 169.254.104.1<- | Υ | Υ |
| dvion | Enables the DVI output of Decoder. | Decoder IP | dvion 169.254.104.1<- | Υ | Υ |
| dvioff | Disables the DVI output of the Decoder. | Decoder IP | dvioff 169.254.104.1<- | Υ | Υ |
| enablehdmiaudio | Enables digital audio output of Decoder. | Decoder IP | enablehdmiaudio 169.254.104.1< | Υ | Υ |
| disablehdmiaudio | Disables digital audio output of Decoder. | Decoder IP | disablehdmiaudio 169.254.104.1<-J | Υ | Υ |
| autohdmiaudio | Detects display support for digital audio and outputs digital audio if appropriate. | Decoder IP | autohdmiaudio 169.254.104.1< | Υ | N |
| cropref | Enables cropping functionality (scaler must be enabled) to the coordinates given in the command. X1Y1 are top-left corner. X2Y2 are bottom-right corner. | Decoder IP, X1Y1, X2Y2 coordinates | cropref 169.254.104.1 10 10 20 20 < J | Y | N |
| getStatus | Returns the current status of the device in an XML form. | Decoder IP | getStatus 169.254.104.1< ^J | Υ | Υ |

N6123 Network Video Recorder Commands

| Command | Description | Required Variables | Example |
|----------------|--|--|--|
| record | Starts a single channel recording. Record description cannot exceed 250 characters (no special characters are supported). | DVR IP, source IP, record duration (in minutes), record description | record 169.254.178.49 169.254.30.238 5 MY RECORDING<-J |
| dsrecord | Starts a dual sync recording. Record description cannot exceed 250 characters (no special characters are supported). | DVR IP, source 1 IP, source 2 IP, record duration, record description | dsrecord 169.254.178.49 169.254.30.238 169.254.23.72 5 MY RECORDING 1 and MY RECORDING 2 <j< td=""></j<> |
| dvrswitch1 | Switches first stream on the DVR to a new selection during a recording. | DVR IP, new source IP OR stream number | dvrswitch1 169.254.178.49 169.254.30.238< ^J |
| dvrswitch2 | Switches second stream on the DVR to a new selection during a recording. | DVR IP, new source IP OR stream number | dvrswitch2 169.254.178.49 169.254.30.238< ^J |
| mpeg | Converts the latest specified stream on the DVR to mpeg. 1 for first stream (in dual sync recording) 2 for second stream. Bitrate default is 7500000. | DVR IP, file, bitrate | mpeg 169.254.178.49 latest 1 bitrate:7500000<-J |
| mpegall | Converts all files on the DVR from a specified timeframe to mpeg. "24 0" indicates convert all files recorded from time of command execution back 24 hours. | DVR IP, beginning timeframe, ending timeframe, bitrate | mpegall 169.254.178.49 24 0 bitrate:7500000<-J |
| deletempegfile | Deletes the most recent mpeg file recording on the DVR. | DVR IP, file index to delete (OR "latest" to delete the last recorded file) | deletempegfile 169.254.178.49 latest < J |
| play | Plays a specific file from a DVR. Start/stop offset in seconds. Offsets start/stop recording by a specific time from the beginning or end of the file. Default is 0 0. | DVR IP, file index to play (OR "latest" to play the last recorded file), looping, start offset, stop offset | play 169.254.178.49 latest noloop 0 0 play 169.254.178.49 f.528E37F2.index loop 0 0 |
| stop | Stops playback on DVR. | DVR IP | stop 169.254.178.49< |
| | | | |

N6123 Network Video Recorder Commands (Continued)

| Command | Description | Required Variables | Example |
|-------------------|--|---|--|
| pause | Pauses playback on DVR. | DVR IP | pause 169.254.178.49<-J |
| unpause | Resumes playback on DVR. | DVR IP | unpause 169.254.178.49< |
| fastforward | Fast forwards playback on DVR. | DVR IP | fastforward 169.254.178.49< ^J |
| rewind | Rewinds playback on DVR. | DVR IP | rewind 169.254.178.49<-J |
| deletefile | Deletes specified file on DVR. | DVR IP, file index to delete (OR "latest" to delete the last recorded file) | deletefile 169.254.178.49 latest<-J |
| stepforward | Jumps playback forward. | DVR IP | stepforward 169.254.178.49< ^J |
| stepreverse | Jumps playback in reverse. | DVR IP | stepreverse 169.254.178.49< ^J |
| stoprecord | Stops recording on DVR. | DVR IP | stoprecord 169.254.178.49< ^J |
| recordhold | Holds recording on DVR. | DVR IP | recordhold 169.254.178.49<- ^J |
| recordrelease | Releases recording on DVR. | DVR IP | recordrelease 169.254.178.49<- ^J |
| playhold | Holds play on DVR. | DVR IP | playhold 169.254.178.49<-J |
| playrelease | Releases play on DVR. | DVR IP | playrelease 169.254.178.49< ^J |
| deleteallplaylist | Deletes all recorded files on DVR. | DVR IP | deleteallplaylist 169.254.178.49<- ^J |
| deletealImpegs | Deletes all MPEG files on DVR. | DVR IP | deleteallmpegs 169.254.178.49<- ^J |
| remotecopy | Copies all MPEG files to Designated Network Storage Array. | DVR IP | remotecopy 169.254.178.49 all< |

N2510 Windowing Processor

| Command | Description | Required Variables | Example |
|--------------|--|--|--|
| wpswitch | Switches streams on a specific window to a specified source. | WP IP, window number, source IP | wpswitch 169.254.120.2 1 169.254.30.238< ^J |
| wpaudioin | Specifies which audio stream to listen to. | WP IP, source IP | wpaudioin 169.254.120.2 169.254.30.238< ^J |
| wpactive | Activates a specific window. | WP IP, window number | wpactive 169.254.120.2 1< ^J |
| wpinactive | Deactivates a specific window. | WP IP, window number | wpinactive 169.254.120.2 1<- ^J |
| wpaudioon | Turns on Windowing Processor audio. | WP IP | wpaudioon 169.254.120.2< ^J |
| wpaudiooff | Turns off Windowing Processor audio. | WP IP | wpaudiooff 169.254.120.2<-J |
| wpmodeon | Turns Windowing Processor mode on. | WP IP | wpmodeon 169.254.120.2< ^J |
| wpmodeoff | Turns Windowing Processor mode off. | WP IP | wpmodeoff169.254.120.2<-J |
| wparrange | Arranges a specific window on the Windowing Processor. | WP IP, window number, window arrangement coordinates (in pixels) | wparrange 169.254.120.2 1 0 0 10 10<-J |
| wpbackground | Chooses a background for the Windowing Processor. | WP IP, background number | wpbackground 169.254.120.2 1<- ^J |
| wpcrop | Adjusts the crop settings on a specific window. | WP IP, window number, crop coord.inates (in pixels) | wpcrop 169.254.120.2 1 0 0 0 0 < J |
| | | | |

N2510 Windowing Processor (Continued)

| Command | Description | Required Variables | Example |
|------------|--|---------------------------------------|---|
| wppriority | Sets the priority for a specific window. | WP IP, window number, priority number | wppriority 169.254.120.2 1 |
| wpbordon | Turns on the border on a specific window. | WP IP, window number | wpbordon 169.254.120.2 1< ^J |
| wpbordoff | Turns off the border on a specific window. | WP IP, window number | wpbordoff 169.254.120.2 1<- |
| wppreset | Activates an internal preset. | WP IP, preset number | wppreset 169.254.120.2 0<-J |

N4321 Audio Transceiver

| Command | Description | Required Variables | Example |
|--------------|--|----------------------------|---|
| atrswitch | Switches audio on the ATR to a specified source. | ATR IP, source IP | atrswitch 169.254.252.121 169.254.30.238< ^J |
| atrmute | Mutes the ATR's output. | ATR IP | atrmute 169.254.252.121< ^J |
| atrunmute | Turns off mute on the ATR's output. | ATR IP | atrunmute 169.254.252.121< ^J |
| atrtxmute | Disables the ATR's transmit output. | ATR IP | atrtxmute 169.254.252.121< ^J |
| atrtxunmute | Enables the ATR's transmit output. | ATR IP | atrtxunmute 169.254.252.121< ^J |
| atrhpvol | Sets the ATR's headphone volume level (0-100). | ATR IP, volume number | atrhpvol 169.254.252.121 50< ^J |
| atrlovol | Sets the ATR's lineout volume level (0-100). | ATR IP, volume number | atrlovol 169.254.252.121 75< ^J |
| atrlovolup | Increments the lineout volume by the given value (e.g., if volume is currently 40 and the command is to increment by 5, this will make the new volume 45). | ATR IP, amount to increase | atrlovolup 169.254.252.121 5 <j< td=""></j<> |
| atrlovoldown | Decrements the lineout volume by the given value. | ATR IP, amount to decrease | atrlovoldown 169.254.252.121 5<- ^J |
| atrhpvolup | Increments the headphone out volume by the give value. | ATR IP, amount to increase | atrhpvolup 169.254.252.121 5<- ^J |
| atrhpvoldown | Decrements the headphone out volume by the given value. | ATR IP, amount to decrease | atrhpvoldown 169.254.252.121 5< ^J |
| openrelay | Opens a specific relay on the ATR (relay number = 1 or 2). | ATR IP, relay number | openrelay 169.254.43.21 1 |
| closerelay | Closes a specific relay on the ATR (relay number = 1 or 2). | ATR IP, relay number | closerelay 169.254.43.21 1 |
| | | | |

Video Wall Commands

| Command | Description | Required Variables | Example |
|-----------|---|---|--|
| videowall | Changes a video wall layout (Decoders or with Windowing Processors) to the new layout. | Name of video wall, name of layout | videowall "myVidWall" "fullScreen"<- ^J |
| videowall | Changes one window within the video wall to a new source. Can be referenced by IP or stream number. | Name of video wall, name of layout, layer to switch, stream number (or IP of Encoder) | videowall "myVidWall" "fullScreen" 1 123<- ^J |

Miscellaneous Commands

| Command | | | Example |
|---------|---|-----------|---------------------------|
| script | Executes the stored script. Script must be saved to N-Command prior to executing. | Script ID | script 33 <j< td=""></j<> |

Miscellaneous Commands (Continued)

| goto | In a panel builder project, switches to a different panel. | Panel ID | goto 50< ^J |
|---------------|--|--|--|
| tcpclient | Sends command to destination device (e.g., IP controlled projector). Command and port are provided by the device manufacturer. | IP address of device, port number, command | tcpclient 192.168.10.20 5000 aa bb cc dd<- ^J |
| udpclient | Sends command to destination device (e.g., IP controlled projector). Command and port are provided by the device manufacturer. Command is UDP. | IP address of device, port number, command | udpclient 192.168.10.20 5000 aa bb cc dd< ^J |
| reboot | Reboots an SVSi device at the IP address specified. | Device IP | reboot 169.254.25.12 <j< td=""></j<> |
| gc_serial | Sends a serial command through a Global Cache device. | GC IP, serial port number, serial command | gc_serial 192.168.1.166 1:1 6b 61 20 30 20 30 31 0d< ^J |
| gc_openrelay | Opens a specific relay on a Global Cache device. | GC IP, relay port number | gc_openrelay 192.168.1.166 3:1< ^J |
| gc_closerelay | Closes a specific relay on a Global Cache device. | GC IP, relay port number | gc_closerelay 192.168.1.166 3:1< ^{_l} |
| gc_ir | Sends an IR command through a Global Cache device. | GC IP, IR Port number, GC IR command | gc_ir 169.254.250.240 4:3 sendir,1,38000,1,1,347,17 3,22,22,22,22,22,22,22,22,22,22,22,22,22 |

Encoder Status Packet Responses

Status Packet Resp <status>169.254.114.220;1;0;0;0;live;1;300;0;1;0;0;720p60</status>
Status Packet Field <status>IP address; Communication; dvioff;scaler;source state; mode; audio state; stream#; stream#; playlist; colorspace;hdmiaudio;resolution;</status>

| Field | Values | Notes |
|----------------|---|-------|
| Communications | 1 = online 0 = offline | |
| dvioff | Always 0 (Encoder DVI always enabled) | |
| scaler | 1 = on 0 = off | |
| Source State | 1 = source detected 0 = no source | |
| mode | live local off | |
| Audio State | 1 = enabled 0 = disabled | |
| Video Stream | 0 - 40000 (stream assignment of Encoder) | |
| Audio Stream | Same as Video Stream | |
| Playlist | Playlist 1 - 8 | |
| colorspace | auto on off | |
| hdmiaudio | auto on off | |
| Resolution | Scaler output resolution (720p60 1080p60) | |

Decoder Status Packet Responses

Status Packet Sample: <status>169.254.237.181;1;0;0;0;live;0;6995;0;1;0;0;720p60</status> Status Packet Order: <status>IP address; communication;dvioff;scaler;display state;mode;audio state;video stream;audiostream;playlist;colorspace;hdmiaudio;resolution</status>

| Field | Values | Notes |
|----------------|--------------------------|-------|
| Communications | 1 = online 0 = offline | |
| dvioff | 1 = off 0 = on | |
| scaler | 1 = on 0 = off | |

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Decoder Status Packet Responses (Continued)

Status Packet Sample: <status>169.254.237.181;1;0;0;0;live;0;6995;0;1;0;0;720p60</status> Status Packet Order: <status>IP address; communication;dvioff;scaler;display state;mode;audio state;video stream;audiostream;playlist;colorspace;hdmiaudio;resolution</status>

| displaystate | 1 = display on 0 = display off | If simplified DVI detect is enabled, this will always be 1 unless display is physically not attached. |
|--------------|---|---|
| mode | live local | |
| Audio State | 1 = enabled 0 = disabled | |
| Video Stream | 0 - 40000 | |
| Audio Stream | 0 = follow video 0 - 40000 | |
| Playlist | Playlist 1 - 8 | |
| colorspace | Always 0 for Decoders. | |
| hdmiaudio | Always auto for Decoders. | |
| Resolution | Scaler output resolution (720p60 1080p60) | |

N4321 Status Packet Responses

Status Packet Resp<status>169.254.11.20;50;212;enabled;enabled;100;100;100;100;00ijno</status> Status Packet Fields<status>IP address; EncodeStream#;DecodeStream#;TxAudioState;RxAudioState;Lineoutvol_t;lineoutvol_r;hpvol_t;hpvol_r;communication</status>

| Field | Values | Notes |
|-----------------|--------------------|-------|
| Encode Stream # | 1 - xxxxx | |
| Decode Stream # | 1 - xxxxx | |
| TX Audio State | enabled disabled | |
| RX Audio State | enabled disabled | |
| Volumes | 0 -100 | |
| communication | online offline | |

N2510 Status Packet Responses

Status Packet Resp <status>169.254.25.10;26;1080p;97;enabled;97;9998;98;98;online;</status>

Status Packet Fields<status>IP address; EncodeStream#;Output Resolution;Input Audio Stream;Audio State;Win 1 V Source;Win 2 V Source;Win 3 V Source;Win 4 V Source;communication;</status>

| Field | | Notes |
|--------------------|---|-------|
| Encode Stream # | 1 - xxxxx | |
| Output Resolution | Output Resolution of the Windowing Processor (720p60 1080p) | |
| Input Audio Stream | 1 - xxxxx | |
| Audio State | enabled disabled | |
| Win 1 - 4 V Source | 1 - xxxxx | |
| Communication | online offline | |