

Introduction

N-Able is a free setup utility designed for use during initial configuration of your SVSI AV equipment. This tutorial provides information on the following:

- N-Able Installation/Equipment Discovery on page 9
- Initial Encoder and Decoder Configuration on page 12
 - *Encoder Setup* on page 12
 - Decoder Setup on page 15
 - Decoder to Encoder Assignments on page 16
- CSV File Use on page 18
- Master/Slave Relationships on page 19

N-Able Installation/Equipment Discovery

The steps provided in this section assume the AV equipment is already physically connected to the network and the wireless adapter on your computer is turned <u>off</u>.

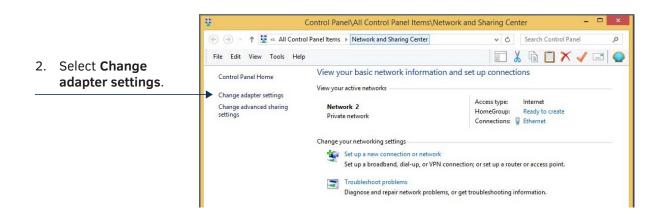
Step 1: Load N-Able onto the host computer.

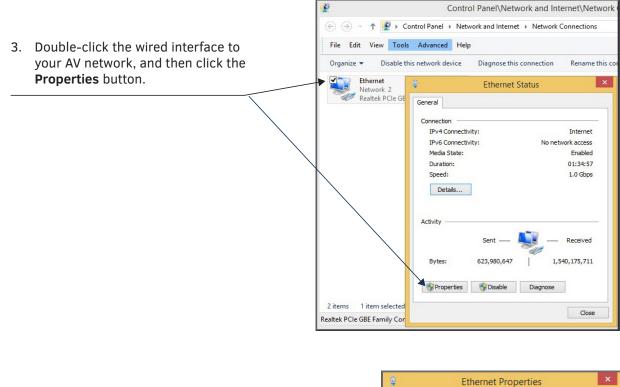
From your host computer, download and install N-Able using one of the following links: *PC version - <u>http://www.amx.com/products/N-ABLE-PC.asp</u> Mac version - <u>http://www.amx.com/products/N-ABLE-MAC.asp</u>*

Step 2: Set up host computer.

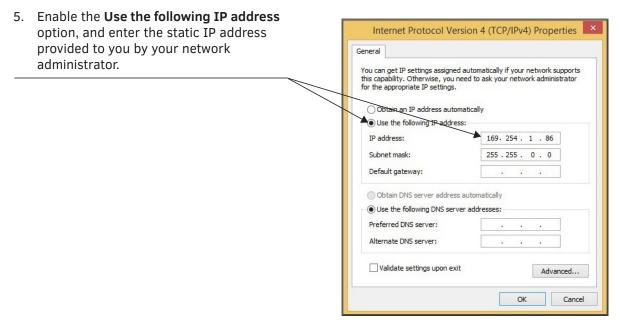
In order to communicate with SVSI equipment, your devices must be on the same subnet as the host computer. N-Series devices are shipped in **Auto IP** mode with a default IP address of 169.254.xxx.xxx. Before beginning installation, you will need to make some changes to the computer running N-Able. These steps show how this can be accomplished in a Microsoft Windows environment.

1. From the Start menu, select Control Panel > Network and Sharing Center.





4. Scroll down in the list to the Internet Networking Sharing Protocol Version 4 (TCP/IPv4) option. Connect using: Highlight it and click the **Properties** button. Realtek PCIe GBE Family Controller Configure.. This connection uses the following items: 🗹 💂 QoS Packet Scheduler ~ Kicrosoft Network Adapter Multiplexor Protocol Microsoft LLDP Protocol Driver Link aver Topology Discovery Mapper I/O Driver 🗹 🔺 Inter (IPv4) et P < > Properties Install. Uninstall Description Transmission Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks. ок Cancel



NOTE: If the computer does not need Internet access, you can simply enter a unique 169.254.xxx.xxx IP address with a 255.255.0.0 subnet mask. Contact your network administrator if you are unsure of how to configure the existing network. SVSI units will not self-assign in the 169.254.0.xxx range.

NOTE: If the computer has a statically-assigned IP address, click the Advanced button. Then click Add to enter a unique 169.254.xxx.xxx address with a subnet of 255.255.0.0.

Step 3: Discover units on the network.

Open N-Able and then follow the steps in FIG. 1.

- 1. Select the Unit Management tab.
- 2. Click the **Auto Discover** button (if the table has not already populated itself with the installed units).

Able Tools Documents Hel										
VIDEO HATRIX AUDIO HA	TREEK MAR LO	KAL PLAYLESTS	UNIT MANAGER	NUNT SERLIAL	HATRIX USB HATRIX					
Auto Decover Decover by P	Touhave 28 DIC, 24 00	. JATR, SNR, SW	, and 9N-Touch.						Remove Unit	Edt
Sewih	Cear									
Name	Type	MAC		SN	Streams	Mode	Resolution		Audo	
1 Daniladec_	N1000 Decoder	00-19:06:00-08-44	169.254.3.246	N121A030000010	401	Live Play	720p60	Off		
2 El Lysle N2030 Dec	N1000 Decoder	00-19-08-CF-70-02	169.254.53.143	N1222A0000002	1437	Live Play	1440-900	On (Follow)		
3 Production Test Decoder	N1000 Decoder	00.19/08/CF:70.06	169.254.159.81	N1222A0000006	90	Live Play	1080p60	On (Follow)		
4 EE MitaTest N1233	N1000 KVM Decoder	0019/08/30/06/02	169.254.129.232	N1233A30000145	1	Live Play	1280x720	On (Follow)		
5 🖾 Cameron - N2251	N2000 4K Decoder	00.19:08:7F:FF:06	169.254.25.218	N225A010000006	136	Live Play	3840x2160	0#		
6 🖾 Jordan - N22518	N2000 4K Decoder	00-19-08-80-01-EC	169.254.229.244	N225402000187	139	Live Play	3840x2160	Off		
7 D Lysle 4K Decoder	N2000 4K Decoder	00-19-08-7F-FF-08	169.254.107.23	N225A010000008	1451	Live Play	3540x2160	On (Follow)		
00.19/08/08/00:07	N2000 Decoder	00.19.08.08.00.07	169.254.198.227	N222A040000007	152	Live Play	1920x1200	On (Follow)		
Adam 2k Lg	N2000 Decoder	00-19-08-00-00-88	169.254.34.55	N222A040000463	0	Live Play	1280x800	On (Follow)		
10 Conference Room LL	N2000 Decoder	00.19/08/00/4C-A1	169.254.28.17	N224A040000444	123	Live Play	1280x720	On (Fellow)		
11 III Jason Preview Monitor	N2000 Decoder	00.19/08/00.39/00	169.254.59.53	N224A040000284	180	Live Play	1080µ60	On (127)		
12 Deff Decoder	N2000 Decoder	00.19:08:00.19:00	169.254.69.53	N222A040001403	1940	Live Play	1080µ60	On (Follow)		
13 🖾 N1222	N2000 Decoder	00.19:08:CF-70.01	169.254.72.142	N2234810000001	1444	Live Play	1920x540	On (Fellow)		
14 D Steve's Decoder	N2000 Decoder	0019-08-00-08-48	169.254.29.142	N222A05000008	314	Live Play	1920v1080	On (Follow)		
15 D Toby's 2k Decoder	N2000 Decoder	00.19/08/00 1C-33	169.254.150.116	N221A040000911	125	Live Play	1080p60	On (Follow)		
56 HB 00.19:08:00.2E-9E	N2000 KVM Decoder	00.19/08/00.25/96	169.254.101.24	N224C040000170	101	Live Play	400p	On (Follow)		
17 HD 00 19:08:00-3A-01	N2000 KVM Decoder	00.19:08:00:3A/01	169.254.24.191	N224C040000333	101	Live Play	1080p60	On (Follow)		
IN THE JOHN'S TESTING N2235	N2000 KVM Decoder	0019/08/80/06/7F	169.254.202.19	N2235A30000138	8181	Live Play	1920x1080	On (Fellow)		
ED BE KVM_DEC	N2000 KVM Decoder	00-19-08-00-3A-00	169.254.10.231	N224C040000332	0	Playist 1	1080p60	On (Follow)		
20 Englab NIK Decoder	N3000 Decoder	00-19-08-80-00-08	169.254.250.236	N322A01000009	5555	Live Play	1080p60	On (29)		
21 III N3221 ThomasDisplay	N3000 Decoder	00.19:08:00:14:77	169.254.42.95	N322A030000285	159	Live Play	1280x720	Off		
22 Depp N3k Dec 45	N3000 Decoder	00.19:08:00.14:45	169.254,100.36	N322A030000235	1099	Live Play	720p60	On (Fellow)		
23 🖾 Adam V Toshiba	V-Series Decoder	00-19-08-C0-01-94	169.254.28.157	VRA00000164	120	Live Play		On (Fellow)		
24 III Englab 104 Dec	V-Series Decoder	0019-08-00-60-88	169.254.38.206	V#A020005142	2222	Live Play		On (Follow)		
25 O N-Command	N-Command N8000	00.19-08-FC-00.01	192.168.1.367	NCMD-MAC-0001		2010				

FIG. 1 Unit Management Page

NOTE: When an NVR is first discovered, you are prompted to choose a product series to associate it with (N1000, N2000, N3000). This "locks" the NVR into a mode compatible with the chosen series. FIG. 2 shows how the mode can be changed if needed.

1.	Select the NVR tab and Maintenance sub-tab.		
		Neliko Tunk, Evonenti Holy 1956-14122 Autoriatika WK (SCALPLATESS UNIT HAMAGINET NEBAL HATELS UNI HAM	AMX N-Able
		Note in the second seco	4(13)31 Tea File (NC)32 GB File
2.	Choose a unit from the NVR drop-down menu.	Number Result (Name, Nac220) Description Description 1 2000 2015-10-10; Manu, Nac220) Description An Text 1 2000 2015-10-10; Manu, Nac220) Description An Text 1 2000 2015-10-10; Manu, Nac2220) Description An Text 1 2000 2015-10-10; Manu, Nac2220) Description An Text 1 2000 2015-10-10; Manu, Nac2220) Description An Text 4 2000 2015-10-10; Manu, Nac2220) Description An Text Status 6 2000 2015-10-10; Manu; Nac2220) Description An Text Status 6 2000 2015-10-10; Manu; Nac220) Description An Text Status 7 2000 2015-10-10; Manu; Nac220) Description An Text Status 8 2000 2015-10-10; Manu; Nac220) Description An Text Status 8 2000 2015-10-10; Manu; Nac220) Description An Text Status 8 2000 2015-10-10; Manu; Nac220) Description	Incepter
3.	Select the desired mode from the NVR Mode drop-down menu and click Apply .	in 2002 2015-01-04; Will 41343 (2002) in Joneton The 3 11 2002 2015-01-04; Will 41353 (2002) in Antion The 2 12 2002 2015-01-04; Will 41352 (2002) in Antion The 2 13 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2002 2015-01-04; Will 41352 (2002) in Antion The 2 14 2012 2012 2012 2012 2012 2012 2012 20	

FIG. 2 Changing NVR Mode

Initial Encoder and Decoder Configuration

This section describes some configuration basics for SVSI Encoders and Decoders using N-Able. More detailed configuration options are provided in the documentation specific to each product series (N1000, N2000, N3000, etc.). Access product documentation within N-Able by selecting **Documents** on the main menu bar, or by visiting our website.

NOTE: For information on how to quickly make basic configuration changes to multiple units using comma-separate value (CSV) files, refer to the section CSV File Use on page 18.

Encoder Setup

- 1. In N-Able, select the Video Matrix tab.
- 2. Select the series sub-tab (N1000, N2000, N3000, Uncompressed 4K, or Compressed 4K) for the Encoder you wish to configure. For V-Series units, select the N2000 tab.
- 3. Find your Encoder in the list. For new units, the name defaults to the MAC address (which is printed on the front panel of the unit). See FIG. 3 on page 13.

NOTE: The Uncompressed 4K and Compressed 4K tabs apply to the N2151 Encoder and N2251 Decoder.

Encoders are listed across the top of the page.

AUDIO MATRIX	WV	R	LOC	AL PL	AYLIS	STS	UNIT MANAGEMENT SERIAL MAT	RIX USB MATRIX
1000 N2000 N3000 Uncor	pressed	ĸ	Comp	ressed	4 K			
	-		-	-	-	-		
	Jason PC Input NI 122	Lysle N2030 Enc	Production Test Encoder	MitziTest N1133	1:ENG LAB NVR	2:ENG LAB NVR		
Select All:	-	•	•	•	•	•		
Dan1kdec_	0	0	0	0	0	0		
Lysle N2030 Dec	0		0	0	0	0		
Production Test Decoder	0	0	0	0	0	0		
MitziTest N1233	0	0	0	0	0	0		
1:ENG LAB NVR	0	0	0	0	0	0		
2:ENG LAB NVR	0	0	0	0	0	0		
1:00:19:0B:FE:01:16	0	0	0	0	0	0		
2:00:19:0B:FE:01:16	0	0	0	0	0	0		
3:00:19:0B:FE:01:16 4:00:19:0B:FE:01:16	0	0	0	0	0	0		
1:Jordan - N2510	0	0	0	0	0	0		

FIG. 3 Find Encoders on the Video Matrix Page

NOTE: If using multiple Encoders in your set up, it is important to plug in and configure <u>one Encoder at a</u> <u>time</u>. All Encoders come pre-configured to use stream 1. As you add Encoders to the network, you will need to set them up to use different streams. If N-Able detects two Encoders with the same stream number assignment, a warning will display.

- 4. Double-click the Encoder name to bring up its **Settings** page.
- 5. Make the changes suggested in FIG. 4 on page 14.

Change the **Device Name** to something user-friendly. More descriptive names help you organize and manage the SVSI system efficiently. Names based on the unit's location and function are very useful (e.g., **CR201-HDMI** for Conference Room 201, HDMI input). Keep in mind the matrices are organized alphanumerically. Use the **Network Setup** section to choose the Encoder's **IP Mode** and (when in **STATIC** mode) to set up a new **IP address**, **Netmask**, and **Gateway address**. Click **Trial Save** to initially save IP address changes. Once you log in to the unit using the new address, you will be able to confirm and accept the changes permanently

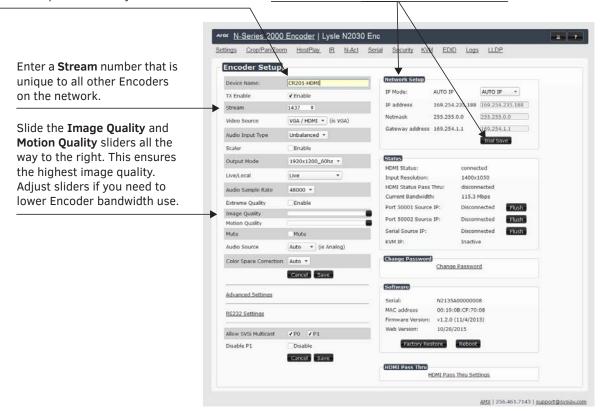


FIG. 4 Encoder Settings Page

NOTE: To better understand the Stream setting, think of Encoders more like a channel on a cable box, rather than a traditional AV Matrix. Each Encoder must have a unique stream number, just like every channel must have a unique channel number (e.g., Food Network and HGTV cannot both be on channel 201). We recommend setting Stream to a number between 2 and 254 (it is required that the number be less than 32,512).

6. Repeat these steps until all Encoders are configured correctly.

Decoder Setup

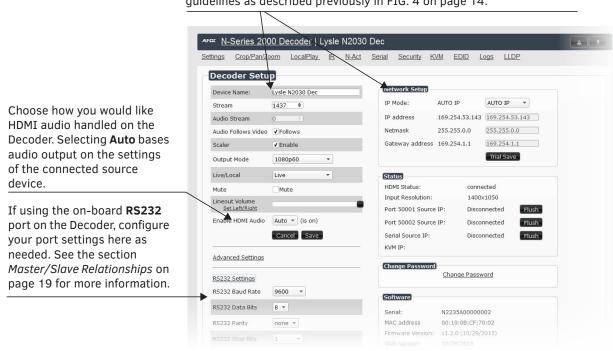
- 1. In N-Able, select the Video Matrix tab.
- Select the Video Matrix series sub-tab (N1000, N2000, N3000, Uncompressed 4K, or Compressed 4K) for the Decoder you wish to configure. For V-Series units, select the N2000 tab.
- 3. Find your Decoder in the list. For new units, the name defaults to the MAC address (which is printed on the front panel of the unit). See FIG. 5.

DEO MATRIX AUDIO MATRIX	NV	R	LOC	AL PL	AYLIS	STS	UNIT MANAGEMENT SERIAL MATRIX USB MATRIX	
11000 N2000 N3000 Unco	mpressed	4K	Comp	ressed	4K			
	Jason PC Input N1122	Lysle N2030 Enc	Production Test Encoder	MitziTest N1133	1:ENG LAB NVR	2:ENG LAB NVR		
Select All:	•	•	•	•	•	•		
Dan1kdec_	0	0	0	0	0	0		
Lysle N2030 Dec	0		0	0	0	0		
Production Test Decoder	0	0	0	0	0	0		
MitziTest N1233	0	0	0	0	0	0		
1:ENG LAB NVR	0	0	0	0	0	0		
2:ENG LAB NVR	0	0	0	0	0	0		
1:00:19:08:FE:01:16	0	0	0	0	0	0		
2:00:19:0B:FE:01:16 3:00:19:0B:FE:01:16	0	0	0	0	0	0		
	0	0	0	0	0	0		
4:00:19:0B:FE:01:16 1:Jordan - N2510	0	0		0	0	0		
== 1.501000 N2510	0	0	0	0	0	0		

Decoders are listed down the left side of the page.

FIG. 5 Find Decoders on the Video Matrix Page

- 4. Double-click the Decoder name to bring up its **Settings** page.
- 5. Make the changes suggested in FIG. 6.



Change the **Device Name** and **Network Setup** options using the same guidelines as described previously in FIG. 4 on page 14.

FIG. 6 Decoder Settings Page

6. Repeat these steps until all Decoders are configured correctly.

TIP: If you changed the IP addresses of the Encoders and Decoder to something other than the default, you need to reconfigure your computer's IP Address accordingly.

Decoder to Encoder Assignments

For the most part, once the initial setup is complete, you will primarily manage and configure the Decoders. To better understand, think of Encoders as radio stations and Decoders as car radios. The Encoders are supplying the streams and, using the Decoders, you can "tune in" to the stream you want. This section shows you how to easily route video from an Encoder to a Decoder.

- 1. Start by attaching a video source to an available Encoder.
- 2. On the Encoder's **Settings** page, verify that the **Live/Local** option is set to **Live** play mode. See FIG. 7. Play mode choices are described in more detail in TABLE 1 on page 17.

Device Name:	ConferenceRm1 - Encoder
TX Enable	🕑 Enable
Stream	764
Audio Input Type	Unbalanced 🔻
Scaler	🗆 Enable
Output Mode	720p60 T
Live/Local	Live •
Audio Sample Rate	44100 ¥
Extreme Quality	🗆 Enable
Image Quality	

FIG. 7 Set Encoder to Live Play Mode

TABLE 1 Play Modes Available on Encoders and Decoders

Mode	Description
Encoder Live Play	Plays the video coming from the input source (e.g., video camera) connected to the Encoder.
Encoder Host Play	Plays image and audio files stored on the Encoder's on-board memory. These can be used to display a slide-show to multiple Decoders (in a similar fashion to Live Play). Selecting Host Play turns off the attached video source's video feed and begins playing the selected slide-show instead.
Decoder Live Play	Plays the live stream coming from an Encoder.
Decoder Local Play	Same thing as Host Play (for the files stored on the Decoder).

- 3. Verify the Decoders you are working with are in Live Play mode as well (using their **Settings** pages).
- 4. To get streams onto a Decoder, use the **Video Matrix** tab to route video from an Encoder to a Decoder by clicking radio button in the common cell on the matrix.
- 5. Click the **Take** button to accept the routing change. See FIG. 8 for an example.

Enabling the connection radio button in this cell causes the **Conference Rm Decoder** to listen to the **Conference Rm Encoder**.

DEO MATRIX AUI	DIO MATRIX	NVR	LOC	AL PLA	YLISTS	5 /	UNIT	ANAGEMENT SERIAL MATRIX USB MATRIX
1000 N2000 N3	000 Uncompres	sed 4K	Compr	essed 4	ж			
		00:19:0B:CF:7	CRV - Encoder	Conference Rr	ENGLAB NVR	1:Steve's NVR	Jordan - NVR	TIP: Hover the mouse over a unit to view its status.
		0:03	W/ENC	n Encoder	Ne IP: M. SN St	etwor : 169. AC: 0 N: VD ream	rk Vide .254.25 0:19:08 A00000 : 152	.182 60:00:96
Select All:		-	•	•		• •	-	
N1000 N2000 Uncompressed 4K Compressed 4K Co								
	,			- 1				Click lake to apply changes.
		0		1				
				1				
Conference Rm L	ecoder			5				
ENG LAB NVR		0	0	0	0	0	0	

Red Text - No video source (Encoder) or no display (Decoder).Black Text - Unit is in Live Play mode.Gray Text - Video output for this unit is disabled.Blue Text - Unit is playing locally-stored content.

NOTE: When a unit is offline (and polling is enabled), the unit's icon changes to a red exclamation mark, the unit name is displayed in red bold text, and the connection radio buttons for that unit turn red. If polling is disabled, press the F5 key to refresh status information.

FIG. 8 Video Matrix Routing

6. Continue creating Decoder-Encoder routing associations until you have made all of your connections.

TIP: It can be helpful to first attach all of your Decoders to one Encoder to verify that streaming is working properly.

CSV File Use

N-Able has the ability to export and import CSV files. Once units are auto-discovered in N-Able, the CSV file can be exported into Excel where parameters such as IP address, subnet mask, gateway, stream number, audio settings, etc. can be configured. To use CSV files for configuration, follow these steps.

- 1. Make sure you have performed an **Auto Discover** (on the **Unit Management** tab of N-Able) since connecting all of the new units to the network.
- 2. From N-Able's main menu bar, select **N-Able > Export CSV** as shown in FIG. 9.

Ċ	Exit	3	Ctrl+Q							
o	Settings									
	Export Database									
	Import Datab	ase								
▦	Export CSV									
▦	Import CSV									
4	Save Project		Ctrl+N							
-	Load Project		Ctrl+0							
	Close Project	0								

FIG. 9 Export a CSV File

3. Click Yes on the pop-up box informing you that a CSV file is about to be generated.

NOTE: A CSV file editor (e.g., Microsoft Excel) is necessary to proceed.

4. The folder containing your CSV file is displayed. Double-click the file to open it. FIG. 10 shows an example of a CSV file in Excel 2010.

4	Α	В	С	D	E	F	G	н	I	J	K	L
1	NAME	TYPE	MAC	SN	STREAM	IPMODE	IP	SUBNET	GW	MODE	AUDIOST	AUDIOEN/ RE
2	Dan1kdec_	N1-DEC	00:19:0B:00:	N121A03000	401	Static IP	169.254.3.	255.255.0	169.254.1.	Live Play	0	0 72
3	Lysle N2030 Dec	N1-DEC	00:19:0B:CF:	N1222A0000	1437	Auto IP	169.254.5	255.255.0	169.254.1.	Live Play	0	1 14
4	Production Test De	N1-DEC	00:19:0B:CF:	N1222A0000	90	Auto IP	169.254.1	255.255.0	169.254.1.	Live Play	0	1 10
5	MitziTest N1233	N1-DEC-KVN	00:19:0B:80:	N1233A3000	1	Auto IP	169.254.12	255.255.0	169.254.1.	Live Play	0	1 12
6	Cameron - N2251	N2-DEC-4K	00:19:0B:7F:	N225A01000	136	Auto IP	169.254.25	255.255.0	169.254.1.	Live Play	0	0 38
7	Jordan - N2251B	N2-DEC-4K	00:19:0B:80:	N225A02000	139	Auto IP	169.254.22	255.255.0	169.254.1.	Live Play	0	0 38
8	Lysle 4K Decoder	N2-DEC-4K	00:19:0B:7F:	N225A01000	1451	Auto IP	169.254.1	255.255.0.	169.254.1.	Live Play	0	

FIG. 10 Sample CSV File

- 5. Make configuration changes and then save the file.
- 6. Select N-Able > Import CSV from the main menu bar.
- 7. Reboot the devices to activate the new settings.

This procedure can be used to configure multiple networked AV devices at the same time. It can also provide valuable diagnostics by allowing you to see the last known device configuration as well as scan the network for new devices (regardless of IP configuration).

Network Troubleshooting

N-Able's built-in **Network Troubleshooter** tests the network for stream connectivity and control port functionality. To access the troubleshooter, click on **Tools > Network Troubleshooter** as shown in FIG. 11.

Тоо	ls Help	
C	Refresh Network	F5
=	Serial Commands	
***	Network Troubleshooter	Ctrl+Shift+N
+	Broadcast IP Reset	Ctrl+l
∋¤	Batch Config	
٥	KVM Wizard	
	N-Series EDID Configuration	

FIG. 11 Activating the Network Troubleshooter

Follow the directions given in FIG. 12.

- Select the units you wish to test. Multiple units can be selected by holding down the <CTRL> key.
- 2. Choose one of the following test types:
 - **Test Control Ports** tests all available control ports on a given device.
 - Test Stream Connectivity tests a Decoder's ability to receive all available Encoder streams.

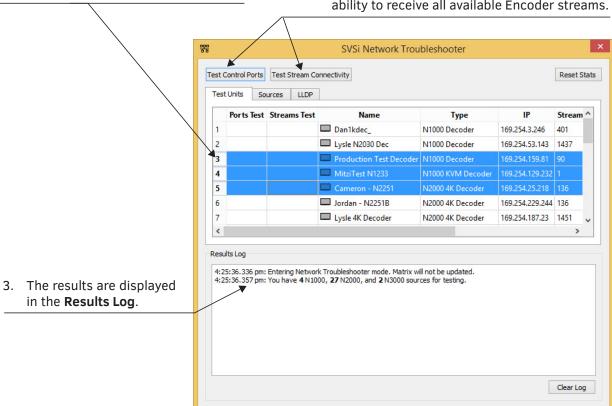


FIG. 12 Troubleshooting the Network

Master/Slave Relationships

The **Serial Matrix** is designed to designate a serial pass-through path for taking in/sending out RS232 commands from one device to another. A practical application of this would be taking in serial commands from a camera controller (connected to an Encoder) and sending those commands to the camera itself (connected to a Decoder). You are basically setting a path between two devices for which serial data will pass.

To do this, you must first assign a device to be a "Master", which will remove its ability to be used as a normal IP-to-RS232 device. Each Master can only be assigned to a single "Slave." As such, the **Serial Matrix** is a one-to-one relationship. Follow these steps to configure a device to be a Master:

- 1. Open the **Settings** page of the Encoder/Decoder you wish to be a Master.
- 2. Click Advanced Settings.
- 3. Scroll down and check the Serial Master Enabled box.

Advanced Settings	
Settings Lock	Enable
Input Level Gain Left	0 •
Input Level Gain Right	0 •
Audio Gain	
Audio Gain Left	
Audio Gain Right	
Brightness	C 📕
Horz Offset	0
Swap Cb Cr	🗆 Enable
Component Sync Window	
Input audio for HostPlay	🗆 Enable
HostPlay for Unsupported	Enable
Gratuitous ARP	🗆 Enable
ARP Interval(secs)	50 🔻
Unsolicited Status	🗹 Enable
Send Status Address	0.0.0
Status Interval(secs)	10 🔻
Discovery Packet Transmit	🗷 Enable
Discovery Interval(secs)	10 🔻
ΠL	64 🔻
VLAN Tagging	🗆 Enable
VLAN #	0
DSCP #	136 •
Serial Master Enable	🖉 Enable
Serial Slave Address	0.0.0.0
IR Command Holdoff	25 ms 🖒

FIG. 13 Enable Master on Settings Page

- 4. Once you have enabled a device to be a Serial Master, it will be displayed on N-Able's **Serial Matrix** tab.
- 5. Enable the common cell to assign a master to a slave (in the same way that you assigned video streams earlier). See FIG. 14 on page 21.

						AMX N-Able			-
ble Tools Documents Help									
VIDEO MATRIX AUDIO MATRIX	1	IVR	LOCAL PLAYL	ISTS UNIT MANAG	EMENT	SERIAL MATRIX	USB MATRIX		
		-	-						
	Dan1kdec	Adam 2k	Greg Test Unit						
	lec	×	est						
Serial Matrix	20		1 1						
Jenai Matrix									
	_								
Production Test Decoder	0	0	0						
MitziTest N1233	0	0	0						
00:19:0B:80:01:EC	0	0	0						
Lysle 4K Dec	0		0						
00:19:0B:08:00:07	0	0	0						
Adam 2k Lg	0	0							
🛄 Chain Test Upper Left	0	0	0						
Conference Room LL	0	0	0						
Jeff Decoder	0	0	0						
1222	0	0	0						
Steve's Decoder	0	0	0						
Toby's 2k Decoder	0	0	0						
00:19:0B:00:2E:9E	0	0	0						
00:19:0B:00:3A:01	0	0	0						
HER JOHNS TESTING N2235	0	0							

Slaves are listed down the left side of the page.

FIG. 14 Serial Matrix Tab

- 6. Click the **Take** button to activate changes.
- 7. The two devices can now pass serial data between them.

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Please contact SVSI technical support at <u>support@svsiav.com</u> or 256.461.7143 x9900 for any installation issues. Visit our support webpage at <u>support.svsiav.com</u>.