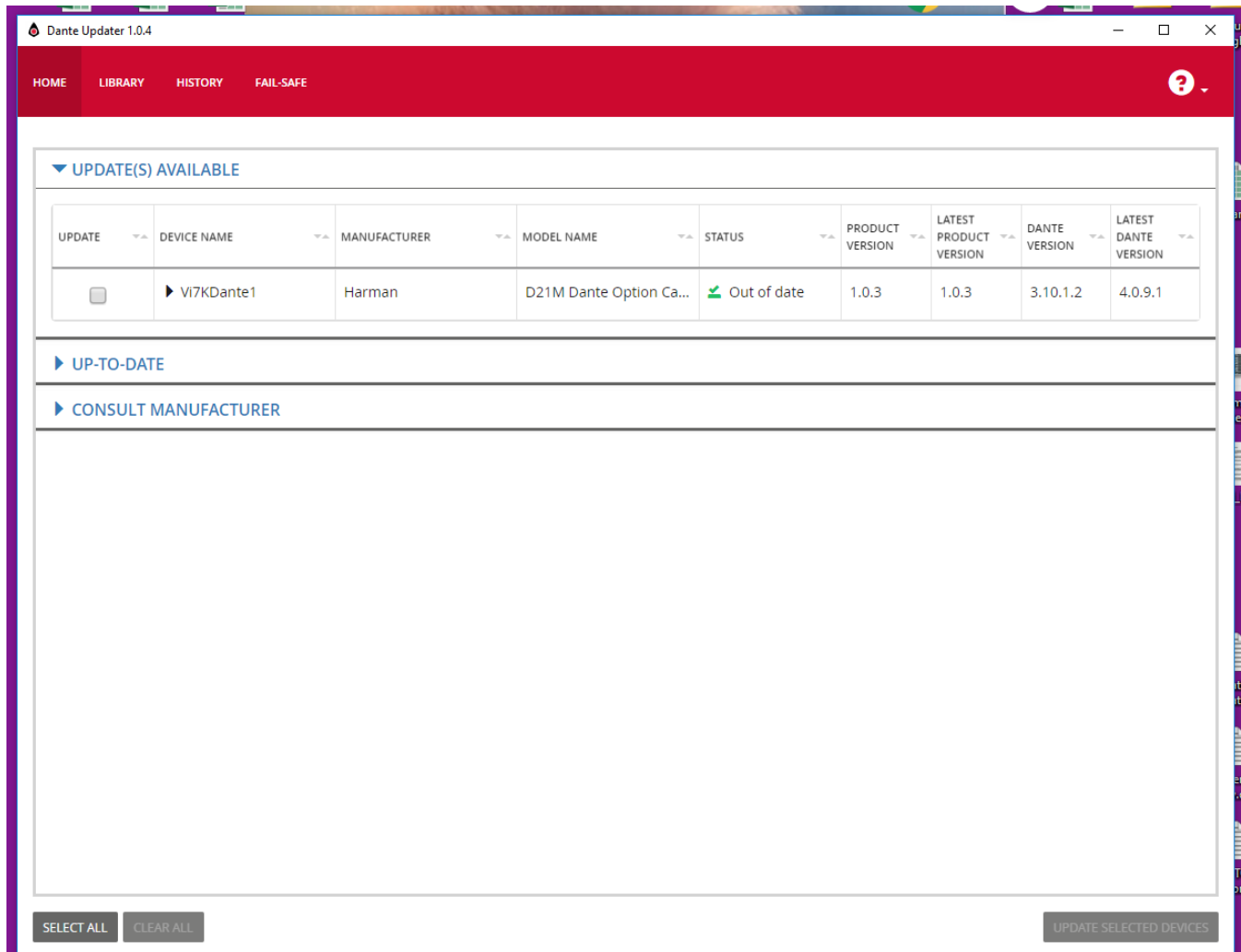


## Updating VI and SI Dante Cards Using Dante Controller & Enabling AES 67:

The latest firmware version for the VI and SI Dante cards support AES 67. This includes the S21m Dante Card used in Local Rack (v4.0.9.1), the VIx000 Internal Dante Interface (v4.0.8.2), and the Si Dante Card (v4.0.8.2).

### Updating using Dante Controller v4.2.3.1 or above:

- 1) Open Dante Controller. You may see that an update shows to be available right away. If not, click on File/Dante Updater to open the update loader.
- 2) If the Dante card is recognized, and the firmware file is available, the device(s) will show in the “Update(s) Available” windows. Click “Update” next to each device, then select “Update Selected Devices” at bottom right of screen.



3) Update should complete and remind you to reboot the device. Do that reboot and you should then be on the latest version.

4) If no devices show in the “Update(s) Available” list, check the “Library” for the Harman devices that you are trying to update. If you will be running the update offline from the internet, you must download the needed files beforehand while you have network connectivity.

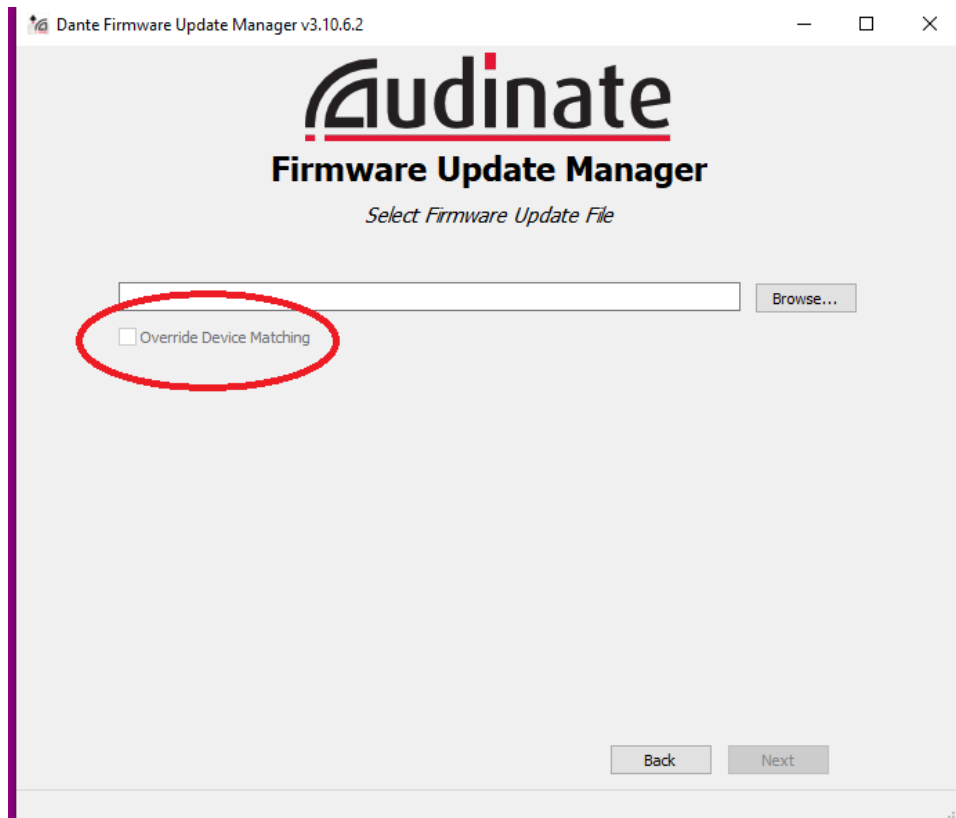
The screenshot shows the Dante Updater 1.0.4 application window. The interface has a red header with navigation tabs: HOME, LIBRARY (selected), HISTORY, and FAIL-SAFE. A help icon (?) is in the top right. Below the header is a table listing various devices. The table has columns for SELECT, MANUFACTURER, MODEL NAME, STATUS, PRODUCT VERSION, DANTE VERSION, RELEASE DATE, and DEVICE LAST DISCOVERED. At the bottom of the table are buttons for SELECT ALL, CLEAR ALL, DOWNLOAD FIRMWARE, DELETE ALL DOWNLOADS, and CLEAR DISCOVERED DEVICES.

SELECT	MANUFACTURER	MODEL NAME	STATUS	PRODUCT VERSION	DANTE VERSION	RELEASE DATE	DEVICE LAST DISCOVERED
<input type="checkbox"/>	GlenSound	Beatrice X4		GlenSound Beatrice ...	4.1.4.2	Wed Jul 31 2019	
<input type="checkbox"/>	GlenSound Electronics ...	Symphony		1.0.0	4.0.9.1	Wed Jul 31 2019	
<input type="checkbox"/>	GlenSound Electronics ...	DARK1616S		1.0.0	4.0.9.1	Wed Jul 31 2019	
<input type="checkbox"/>	GlenSound Electronics ...	Inferno		1.0.1	4.1.1.4	Wed Jul 31 2019	
<input type="checkbox"/>	GlenSound Electronics ...	DARK1616M		2.0.0	4.0.9.1	Wed Jul 31 2019	
<input type="checkbox"/>	GlenSound Electronics ...	AOIP44		GlenSound AOIP44 ...	4.0.10.2	Wed Jul 31 2019	
<input type="checkbox"/>	GlenSound Electronics ...	Paradiso		2.2.0	4.0.9.1	Wed Jul 31 2019	
	Harman	Si Dante Option Car...		1.0.1	4.0.8.2	Tue Sep 25 2018	
	Harman	Vix000 Internal Dant...		1.0.1	4.0.8.2	Tue Sep 25 2018	
	Harman	D21M Dante Option...		1.0.3	4.0.9.1	Tue Sep 25 2018	
<input type="checkbox"/>	Harman International	Soundweb London		1.2.0	4.0.7.8	Mon Apr 1 2019	Feb 13, 15:29 PM
<input type="checkbox"/>	HuaNanAudio	UDSP		1.0.1	3.10.1.12	Sun Nov 18 2018	
<input type="checkbox"/>	IED	IPUSBD16		0.0.0	4.0.7.8	Thu Apr 4 2019	
<input type="checkbox"/>	IED	5432DZM B Chans		1.0.0	4.1.4.2	Thu Apr 4 2019	

5) If you have the library files available, and you still see no devices in the “Update(s) Available” list, then a manual update using the older Dante Firmware Update Manager software is needed.

## Updating using Dante Firmware Update Manager v3.10.6.2:

- 1) Open Dante Firmware Update Manager. Select your Ethernet port and hit “Next”.
- 2) Click “Update Dante Firmware”.
- 3) Download the correct Dante firmware file (.dnt). Browse until you find the correct firmware file for your device, then hit “Next”. Firmware files are attached with this document.



**If Nothing Shows Up In List, You Can Check “Override Device Matching” To Allow Any File To Be Downloaded. Be Aware That Incorrect Firmware COULD Be Loaded SO Be Very Careful To Select Correct Version!!**

Name	Date modified	Type	Size
D21mDanteCard_4.0.9.1.dnt	7/27/2018 11:40 AM	DNT File	4,860 KB
SoundcraftSiDanteCard_4.0.8.2.dnt	5/31/2018 11:24 AM	DNT File	4,860 KB
SoundcraftVix000InternalDanteInterface ...	5/21/2018 1:48 PM	DNT File	4,860 KB

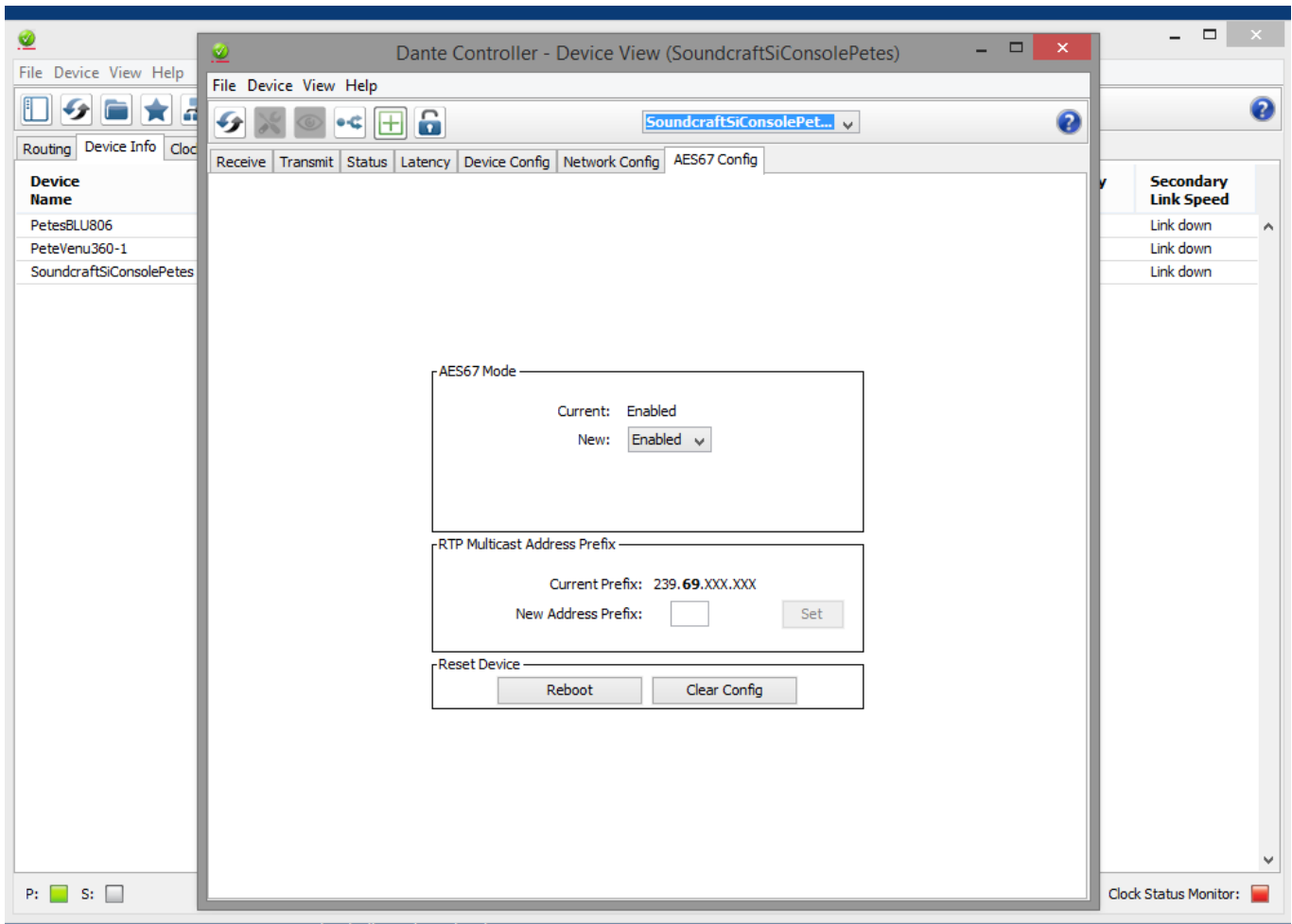
SoundcraftVix000InternalDanteInterface\_4.0.8.2.dnt  
 Type: DNT File  
 Size: 4.74 MB  
 Date modified: 5/21/2018 1:48 PM

- 4) The Dante card should show up in the update list and you can run the update.
- 5) If the Dante card doesn’t show up, you can check the “Override Device matching” checkbox and that should allow you to see the device and send file to it.

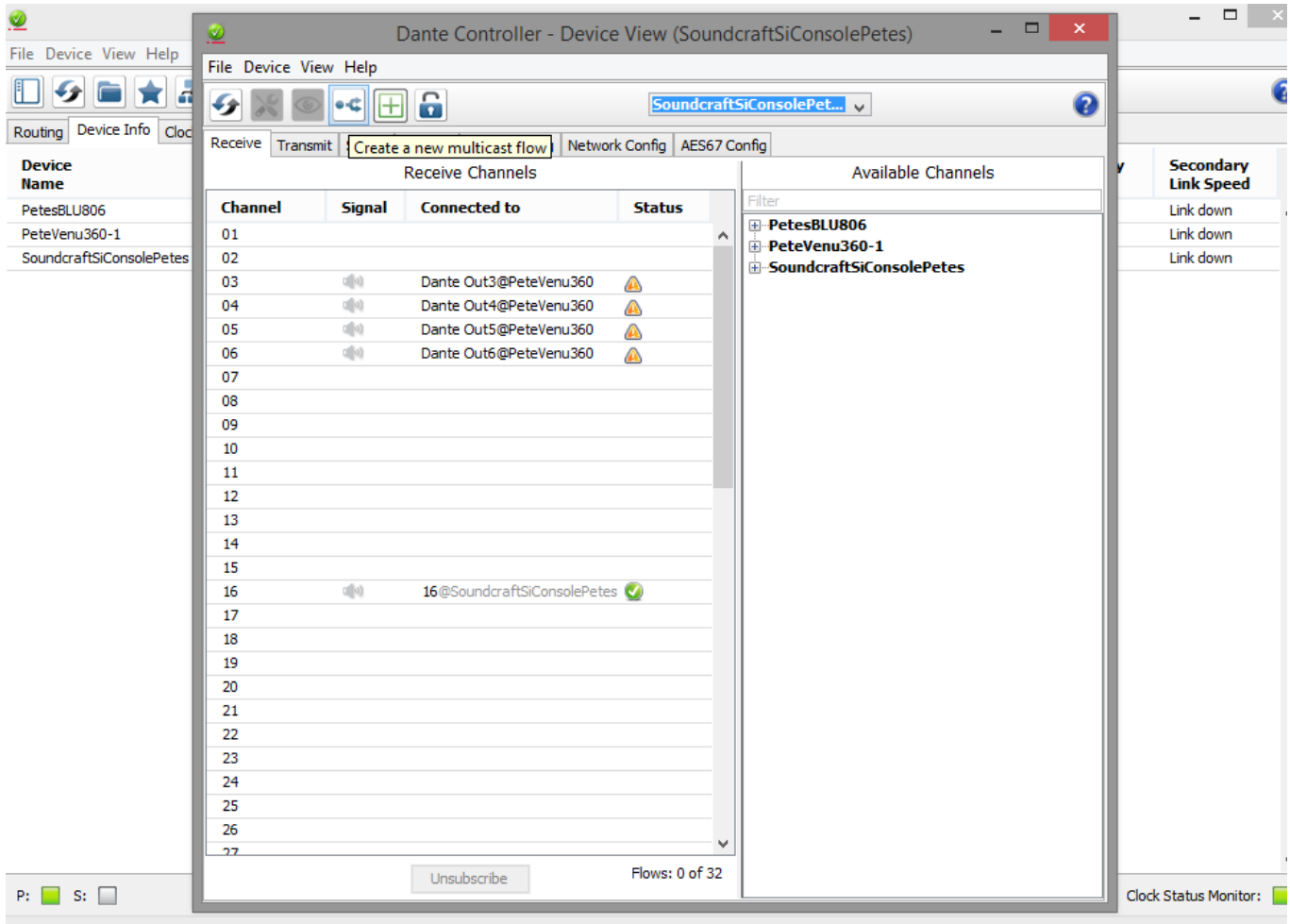
6) After complete, make sure to reboot the device.

### Enabling AES 67:

1) In Dante Controller, open the device then click on the “AES 67” tab. Enable AES 67, then reboot the Dante card.



2) With the Dante card device selected, select “Device/Create A New Multicast Flow” Select AES 67 and then select the number of flows you want to create. Dante devices running AES 67 are limited to Multicast flows.



**Create Multicast Flow**

SoundcraftSiConsolePetes supports up to 8 channels per flow.

RTP flows for AES67 have a maximum of 8 channels per flow.

Select one or more transmit channels to be placed in multicast flows.

Flow Config (Optional)

Dante  AES67

Destination Address:  Auto  Manual

Channel Name	<input type="checkbox"/> Add to New Flow
01	<input checked="" type="checkbox"/>
02	<input checked="" type="checkbox"/>
03	<input type="checkbox"/>
04	<input type="checkbox"/>
05	<input type="checkbox"/>
06	<input type="checkbox"/>
07	<input type="checkbox"/>
08	<input type="checkbox"/>
09	<input type="checkbox"/>
10	<input type="checkbox"/>
11	<input type="checkbox"/>
12	<input type="checkbox"/>
13	<input type="checkbox"/>
14	<input type="checkbox"/>
15	<input type="checkbox"/>
16	<input type="checkbox"/>
17	<input type="checkbox"/>

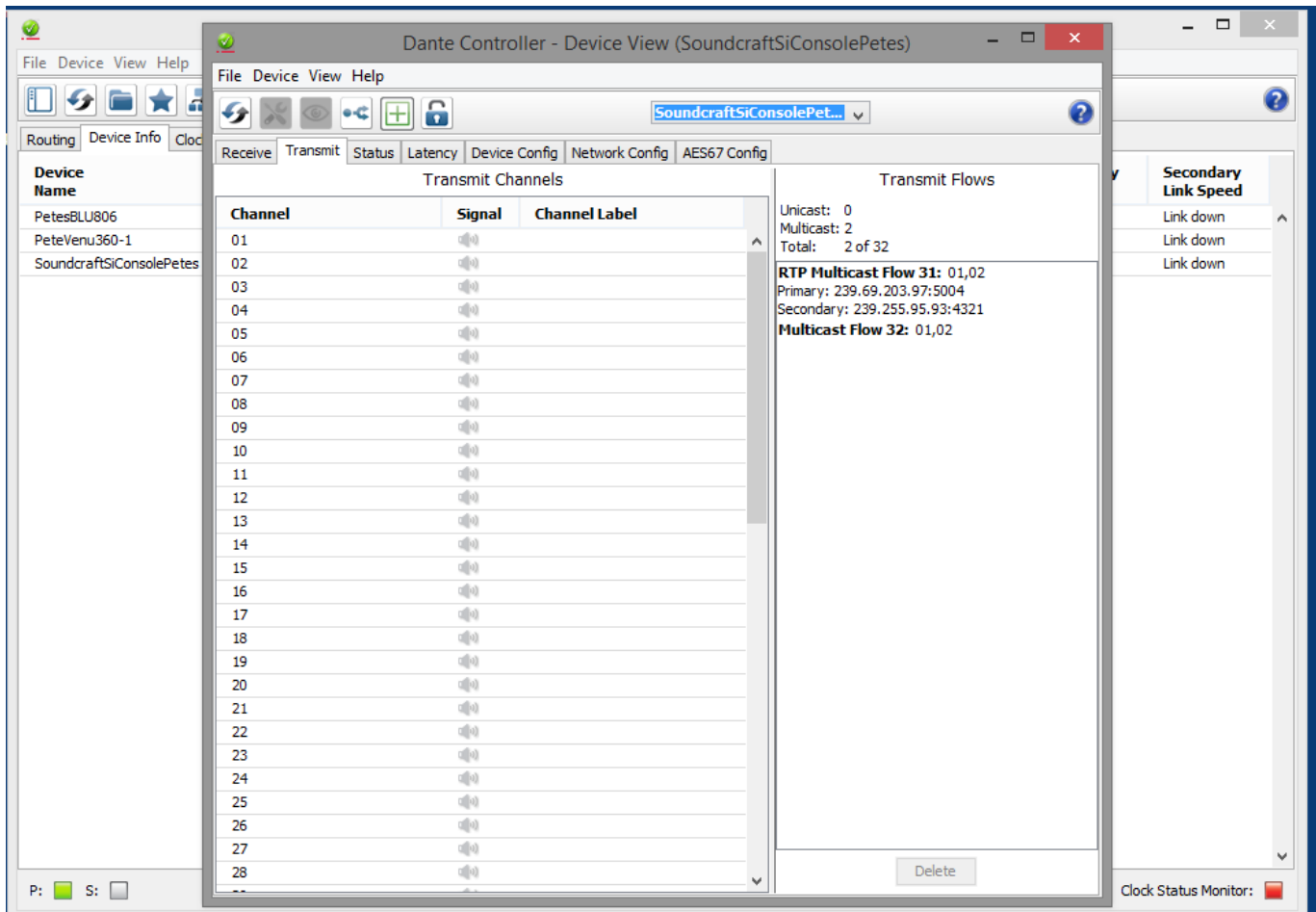
Buttons: Create, Cancel

Background interface elements:

- Device List: PetesBLU806, PeteVenu360-1, SoundcraftSiConsolePetes
- Channel Signal Table (partial):

Channel	Signal
01	
02	
03	🔊
04	🔊
05	🔊
06	🔊
07	
08	
09	
10	
11	
12	
13	
14	
15	
16	🔊
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	

3) Under the “Transmit” tab, you will see the RTP Multicast Flow address.



#### About HARMAN Professional Solutions

HARMAN Professional Solutions is the world's largest professional audio, video, lighting, and control products and systems company. Our brands comprise AKG Acoustics®, AMX®, BSS Audio®, Crown International®, dbx Professional®, DigiTech®, JBL Professional®, Lexicon Pro®, Martin®, Soundcraft® and Studer®. These best-in-class products are designed, manufactured and delivered to a variety of customers in markets including tour, cinema and retail as well as corporate, government, education, large venue and hospitality. For scalable, high-impact communication and entertainment systems, HARMAN Professional Solutions is your single point of contact. [www.harmanpro.com](http://www.harmanpro.com)