



# Merging advanced settings guide

Merging Technologies
Le Verney 4, CH-1070 Puidoux Switzerland
www.merging.com
T : +41 21 946 04 44 • F : +41 21 946 04 45

Merging Technologies, Le Verney 4, CH-1070 Puidoux, Switzerland.
Fax. +41 946 0445, Web: www.merging.com

# Merging Advanced Settings

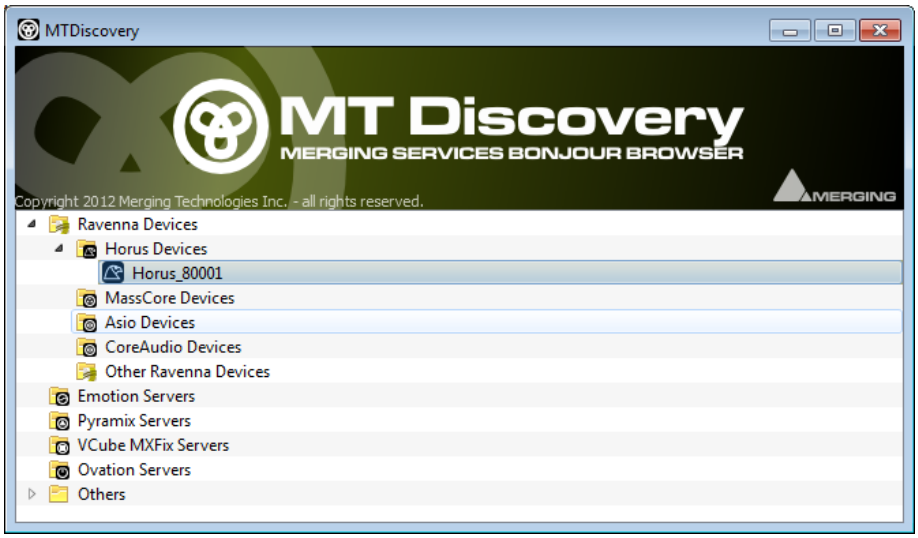
## Chapter I: Duplicate Input Connections

### Scenario:

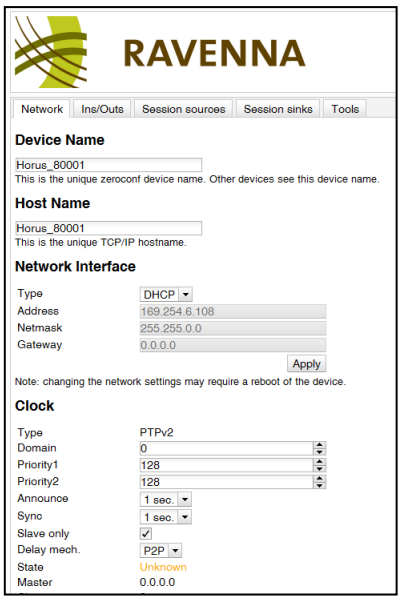
- Two Horus and one Pyramix Masscore
- Send 24 AD from Horus_1 to Pyramix
- Send 24 AD inputs from Horus_1 to AES outputs of Horus_2

**Configuration steps:**

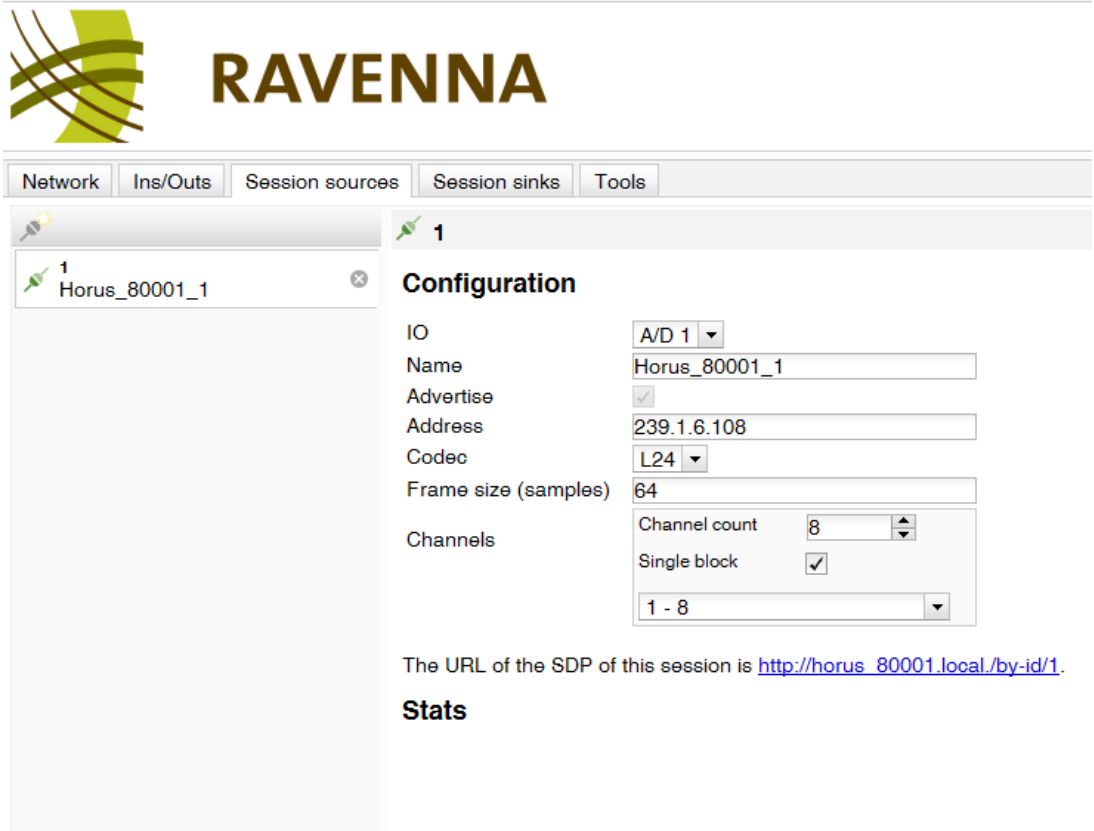
- Start Pyramix, and configure as much as possible using RAVENNA Easy Connect (24 AD from Horus_1 to Pyramix)
- Launch MTDiscovery
- Right-click on Horus_1 and select "Open Advanced"



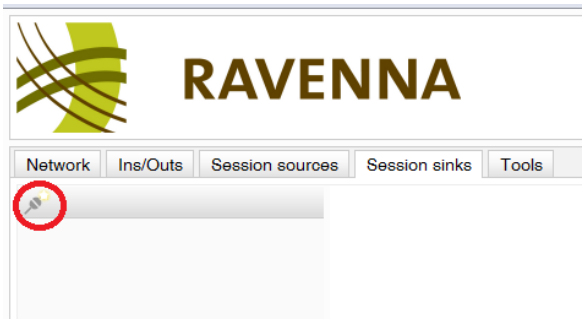

- This will open an Internet browser with the Horus advanced configuration pages



- Open the "Session sources" tab, there should already be 3x sources created by RAVENNA Easy Connect.

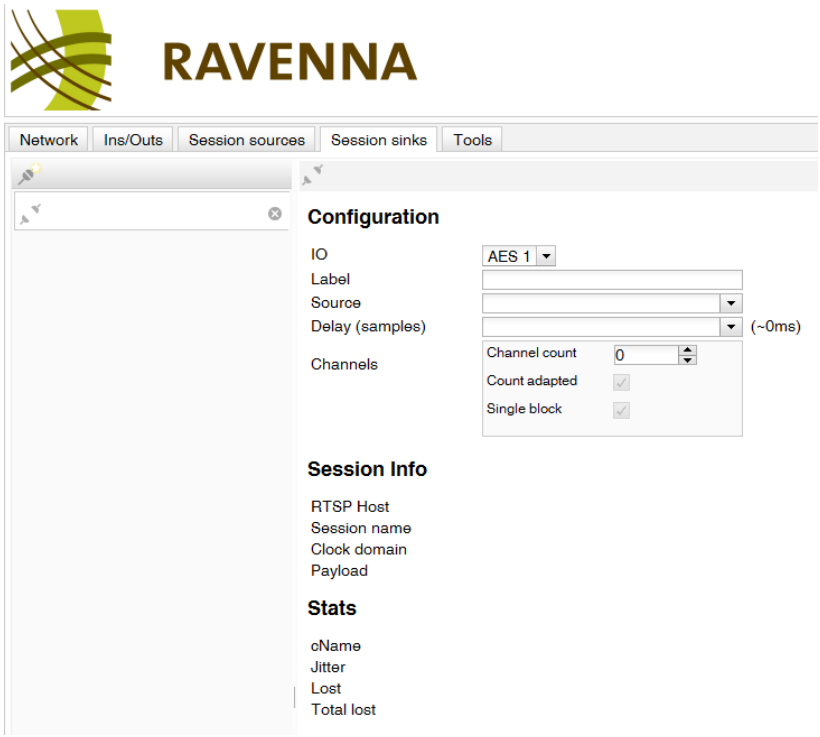



- If the sources are not created, check Ravenna Easy Connect again. If you want to create the sources manually see below
- In MTDiscovery, right-click on Horus_2 and select "Open Advanced"
- Open the "Session sinks" tab




- Create a new sink using the "Create session sink" button

- Fill in the fields:
  - "IO": the output modules where the streams will be connected, in our case AES1
  - "Label": can be changed by the user but is not needed
  - "Source": select the first source from Horus_1 (corresponding to AD1)
  - "Delay": is set automatically, do not change manually




- Check that "Channel count" is correct

- Create two more sinks for the remaining AD2 and AD3 on AES2 and AES3
- You are done, audio from the 24 mics of Horus_1 should come out of the 24 channels of AES of Horus_2

**Creating sources manually**

- In the "Session sources" tab, click on the "Create session" button


- Fill-in the fileds:
  - "IO": I/O module to be output on RAVENNA, in our case "AD1"
  - "Name": user defined name, a default name is set automatically
  - "Channel count": should be set automatically, in our case 8
- Do the same for the 2 other sources to be created for AD2 and AD3

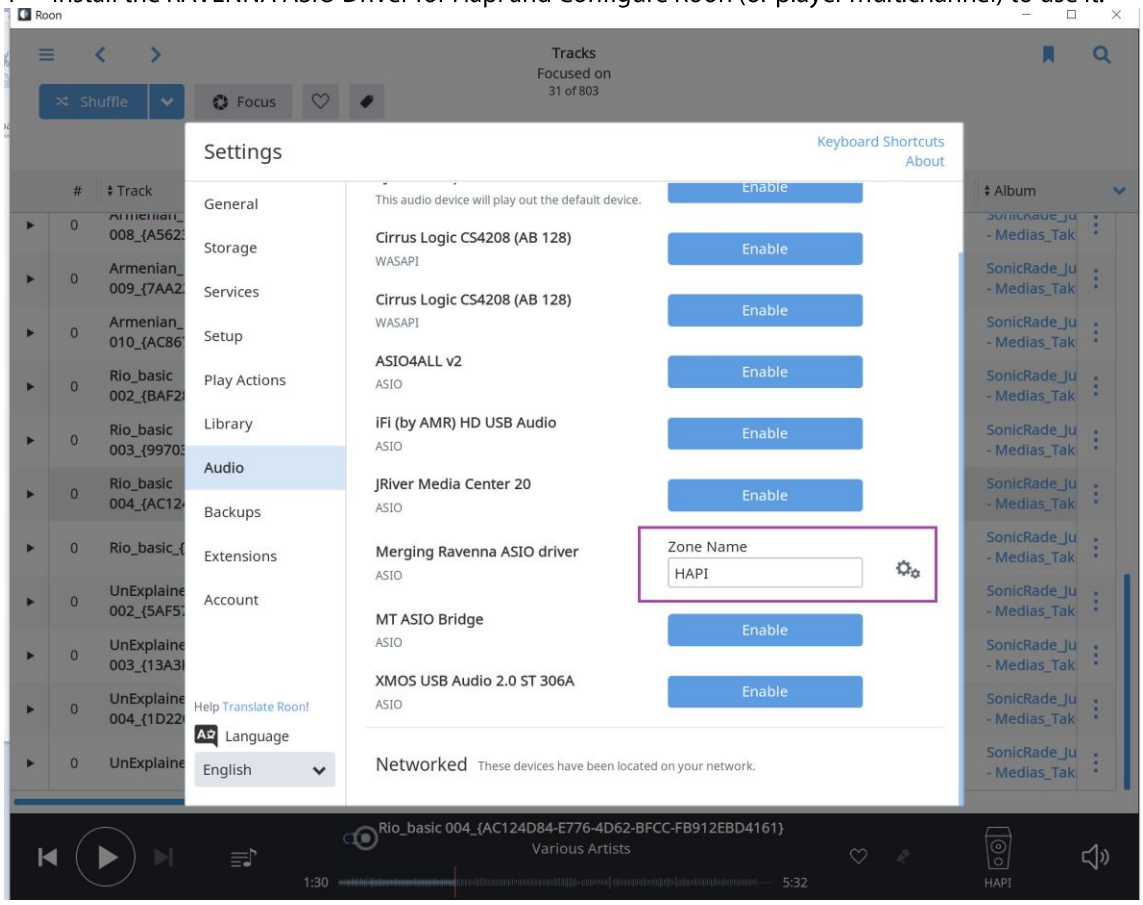
# Chapter II: Duplicate Outputs Connections

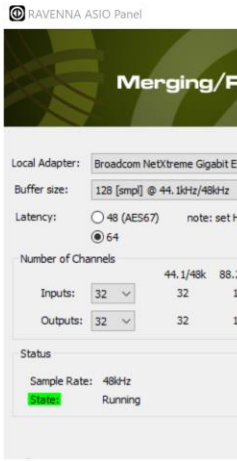
Scenarios: Hapi fitted with 2 X DA8 that monitor the same multichannel 7.1 played out source (in the example below using the Roon player application). The goal is to have the Hapi playing the same content mirrored to bothe the DA1 and the DA2.

In order to be able to do this you will need to use the Advanced RAVENNA Settings.

**Procedure:**

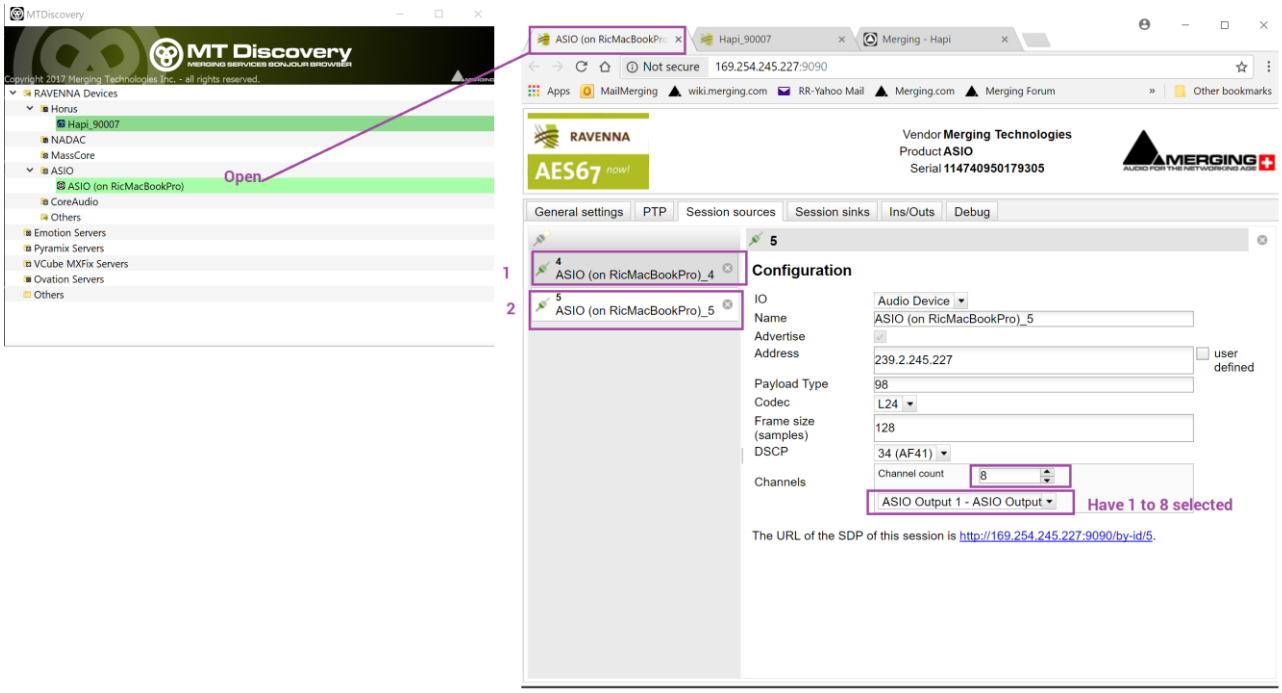
1- Install the RAVENNA ASIO Driver for Hapi and Configure Roon (or player multichannel) to use it.




2- Open MT Discovery and MAKE SURE you Play a Media Track in Roon (so the ASIO loaded and seen in MT Discovery)

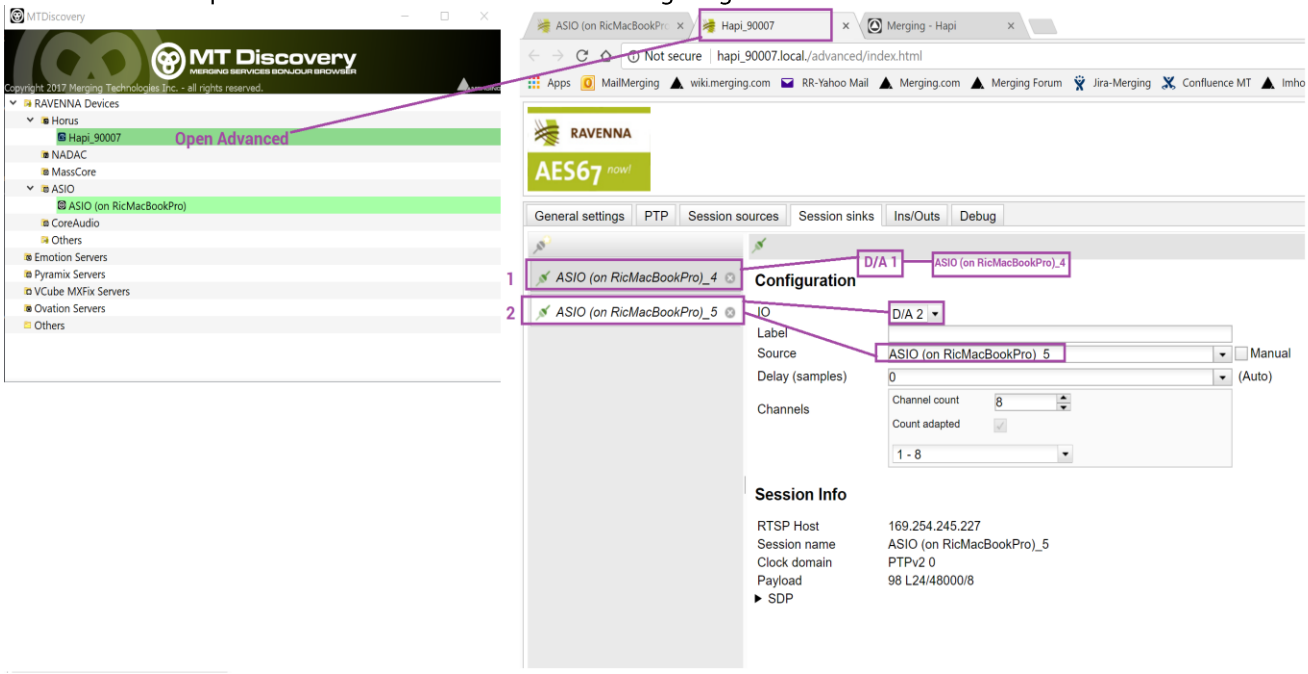
- Then Open the ASIO entry once visible, this will open the Advanced RAVENNA ASIO Settings Pages




- Go to the Session Sources Tab and create a Source of 8 channels mapped to ASIO outputs 1 to 8
- Do this a second time to create another Source ot 8 Channels.
  (Note: you can only do this when a track in playing in Roon, so the ASIO driver is loaded)

3- Now in MT Discovery on the Hapi select “Open Advanced” (from right click menu)

- This will open the Advanced RAVENNA HAPI Settings Pages




- Go to the Session Sinks Tab
- Create a Sync that will have the D/A 1 as IO and the first ASIO Source (previously created) selected
- Verify the Channel counts (should be 8 and 1-8)
- Create a second Sync that will have the D/A 2 as IO and the Second ASIO Source (previously created) selected

4- Now all tracks played in Roon will be played out to both DA1 and DA2 each one mirroring the same 8 channel content.

# Chapter III: Customize your I/O & Naming convention

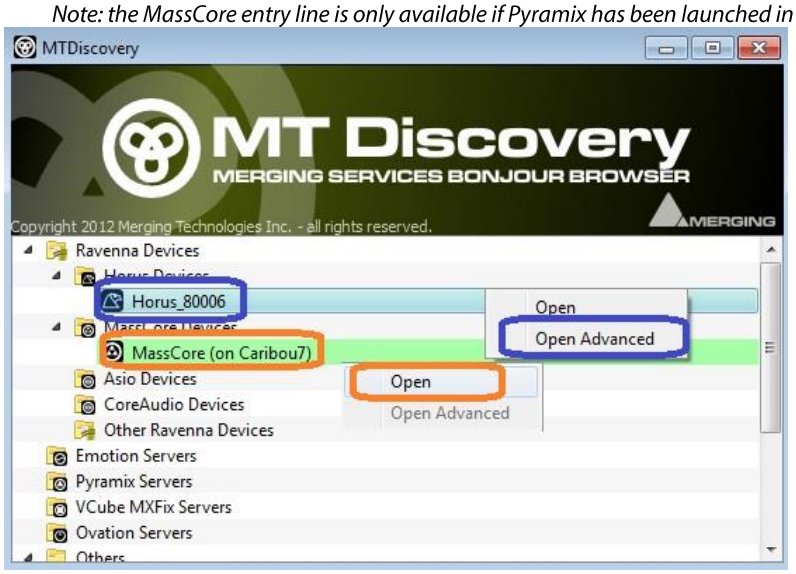
## Scenario:

- You want to create your own I/O naming convention and not use the ones purposed by Merging through the RAVENNA Easy Connect tool.

**Configuration steps:**

*Note: Never use RAVENNA Easy Connect under such configuration; it will overwrite your customized I/O naming convention*

- Configured your Pyramix and Horus for RAVENNA use
- Start Pyramix
- Launch MTDiscovery (refer to steps and image below)
- Under the Horus entry Right-Click on Horus_80006 (ex.) and select "Open Advanced". This should open a Horus page in your Chrome browser
- Now select the MassCore entry and Double-Click or select Right-Click and Open. This should open a MassCore page in your Chrome browser
  *Note: the MassCore entry line is only available if Pyramix has been launched in RAVENNA Mode*

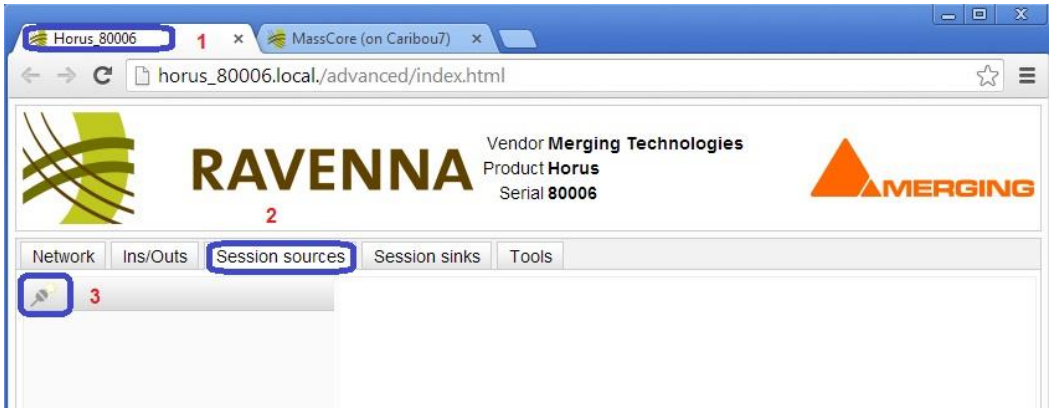



**Customized Input Naming convention:**

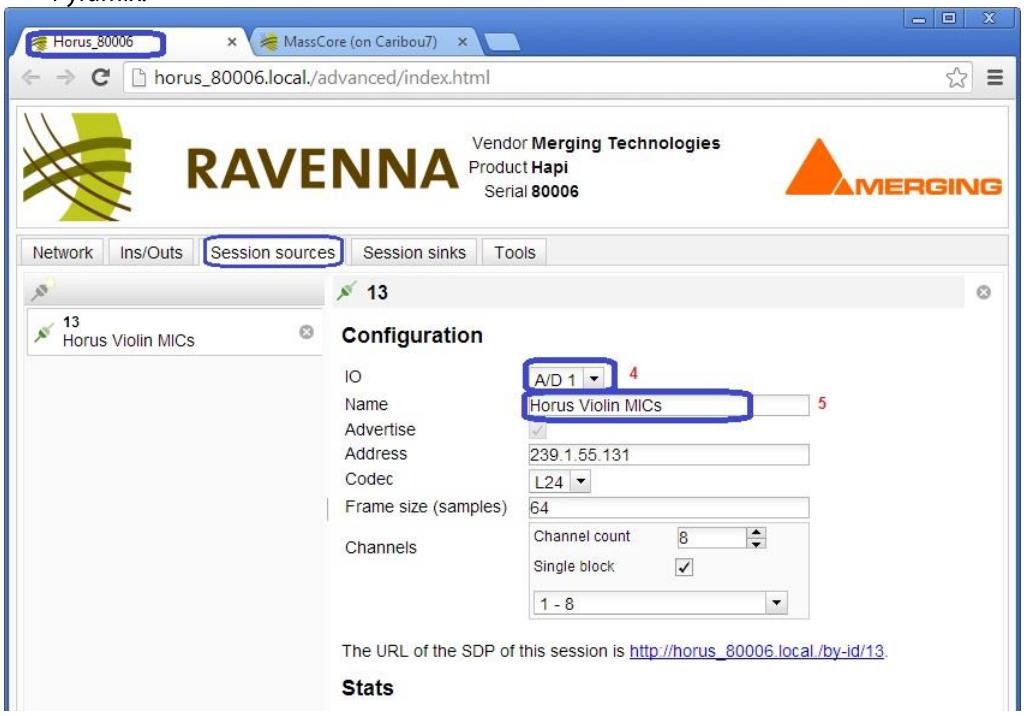
*This will personalized Input names available under the Pyramix Inputs.*

Personalize the Input Naming on the Horus side

1. In your Chrome Browser select the **Horus Tab**
2. Select the Session sources Tab
3. Press the Create Session Icon



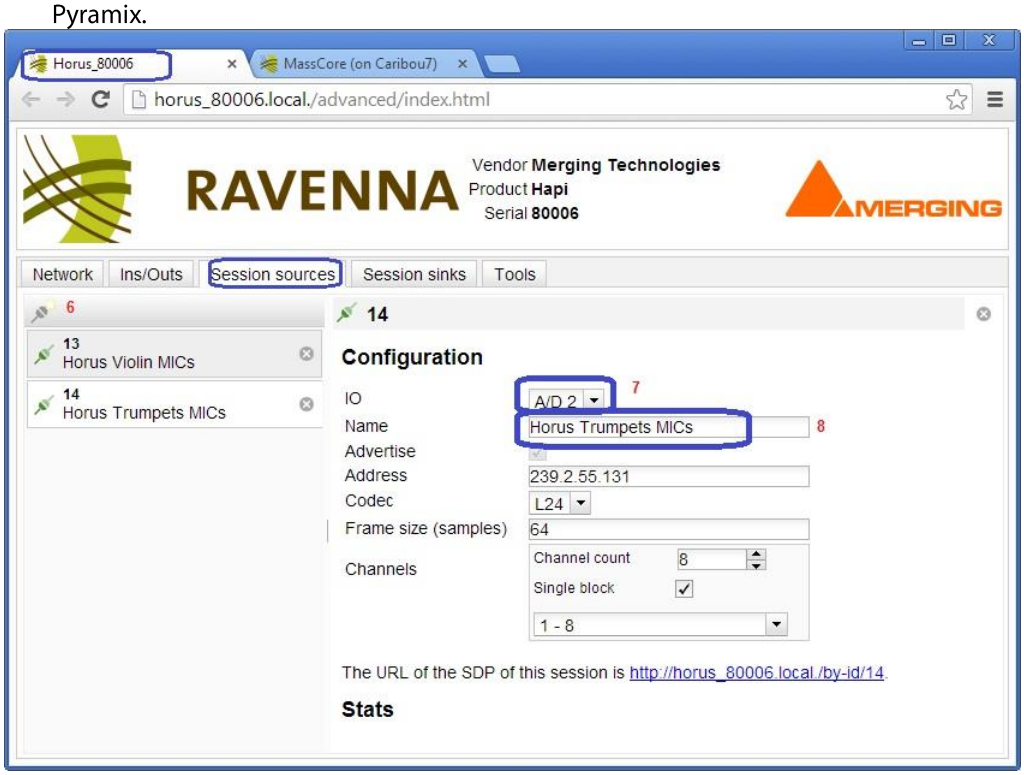
4. Select the IO input Horus Module that you want to use.
   Example: We will start with the A/D1 module connection and renaming.
5. Personalize your A/D1Module input Name
   Example: *Horus Violin MICs* is the name of the input banks we would like to see appear under Pyramix.




*Note: do not edit any of the other entries.*

Personalized your Input names for the A/D 2 Module

6. Select Create Session again
7. Under the IO entry select A/D2
8. Personalize your A/D2 Module input Name
   Example: *Horus Trumpets MICs* is the name of the input banks we would like to see appear under Pyramix.

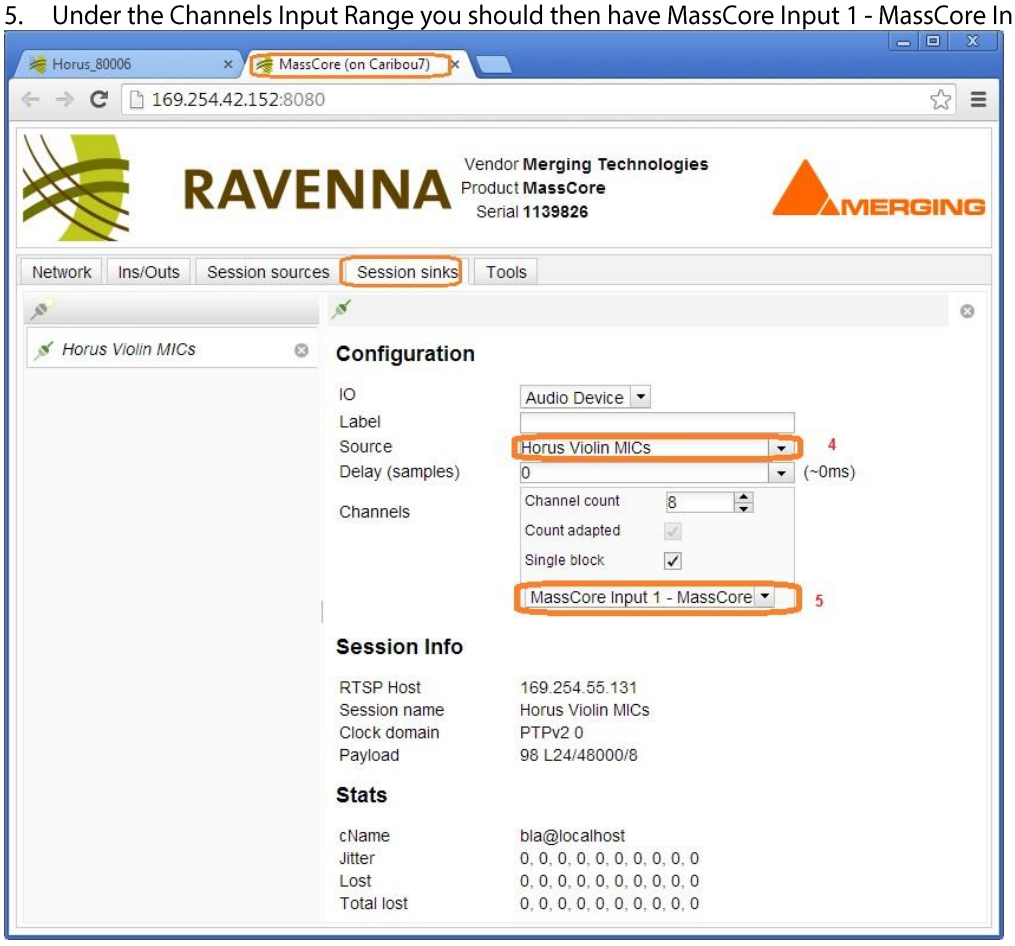



*Note: do not edit any of the other entries.*

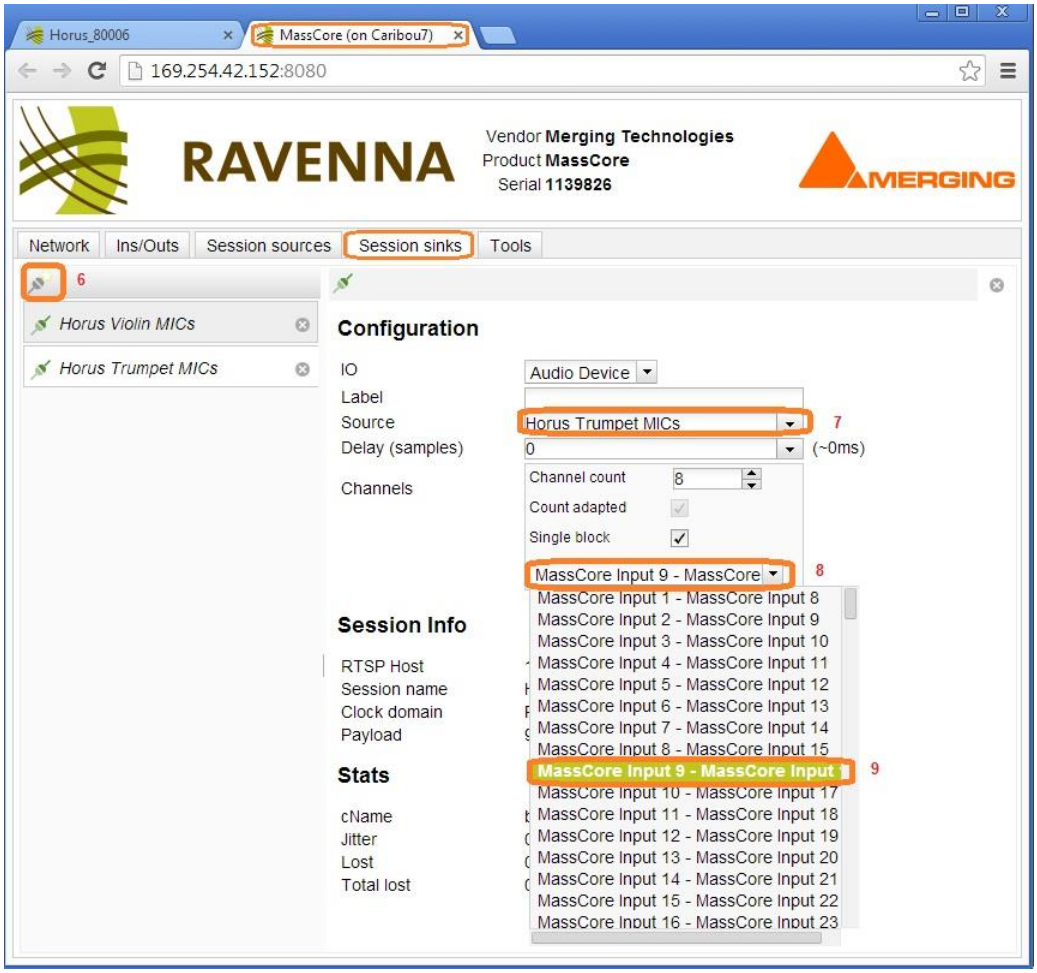
Personalize the Input Naming on the MassCore side

1. In your Chrome Browser select the **MassCore Tab**
2. Select the Session Sinks Tab
3. Press the Create Session Sink icon


4. Under the Source entry select your customized first module bank.
   Example: *Horus Violin MICs*
5. Under the Channels Input Range you should then have MassCore Input 1 - MassCore Input 8

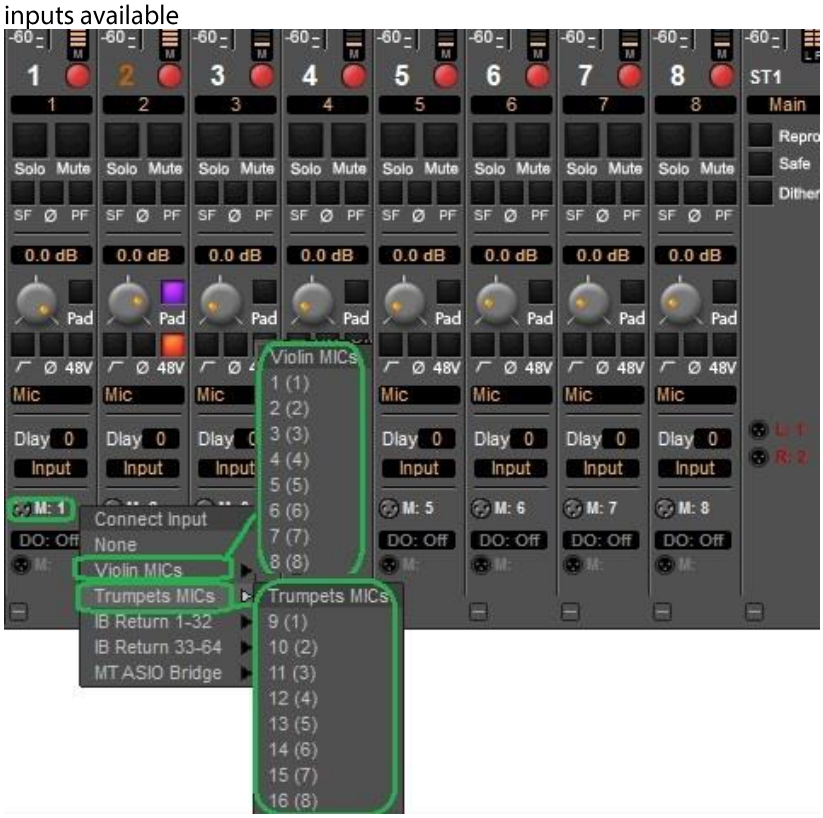



6. Press the Create Session Sink icon again to create your connect you second input module
7. Under the Source entry select *Horus Trumpets MICs*
8. Select the Channels Input Range
9. Make sure that you select MassCore Input 9 - MassCore Input 16 this module follows the first module which was taking the first bank of 8 channels.




*Note: do not edit any of the other entries.*

Within your Pyramix Mixer your should now see the customized naming convention appear under the inputs available



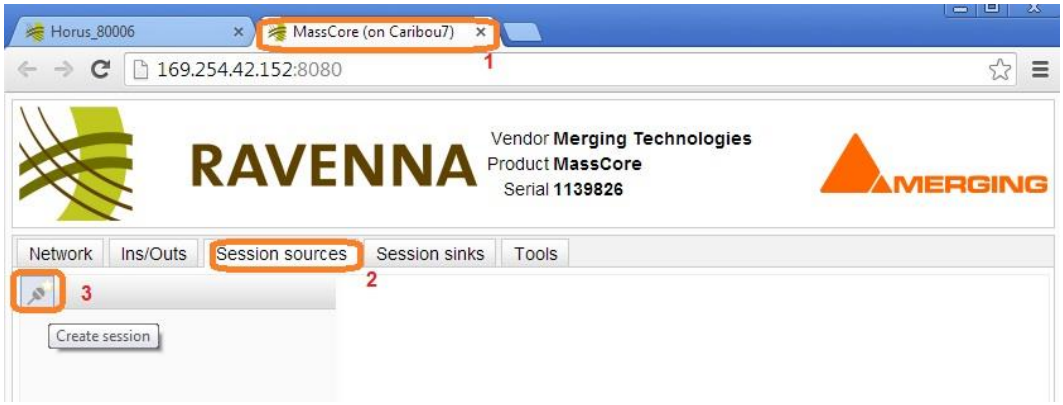

*Note: In the example above you will note that the "Horus" part of the name Horus Trumpets MICs is filtered in the Pyramix Mixer and not shown. The same applies to names containing Input, Output & Monitor.*

**Customized Output Naming convention:**

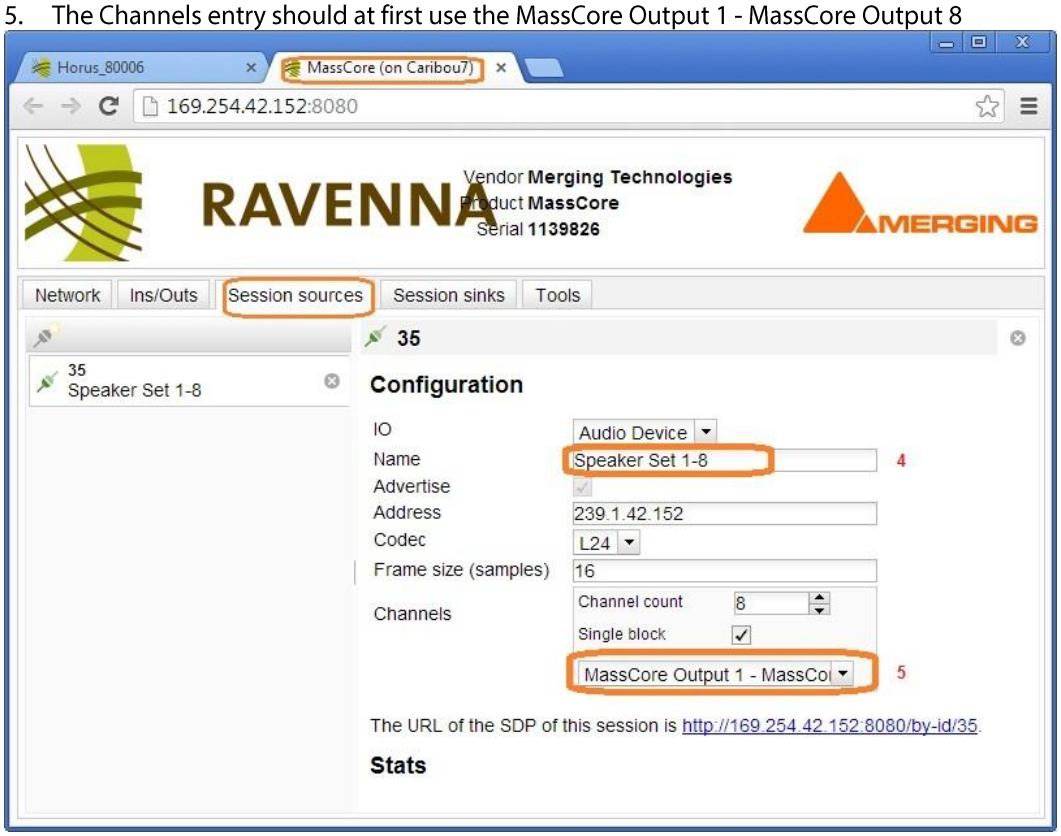
*This will personalized Output names available under the Pyramix Inputs.*

Personalize the Output Naming on the MassCore side

1. In your Chrome Browser select the **MassCore Tab**
2. Select the Session sources Tab
3. Press the Create Session Icon




4. Personalize your Output Module Name
   Example: Speaker *Set 1-8* is the name of the Output bank we would like to see appear under Pyramix.
5. The Channels entry should at first use the MassCore Output 1 - MassCore Output 8



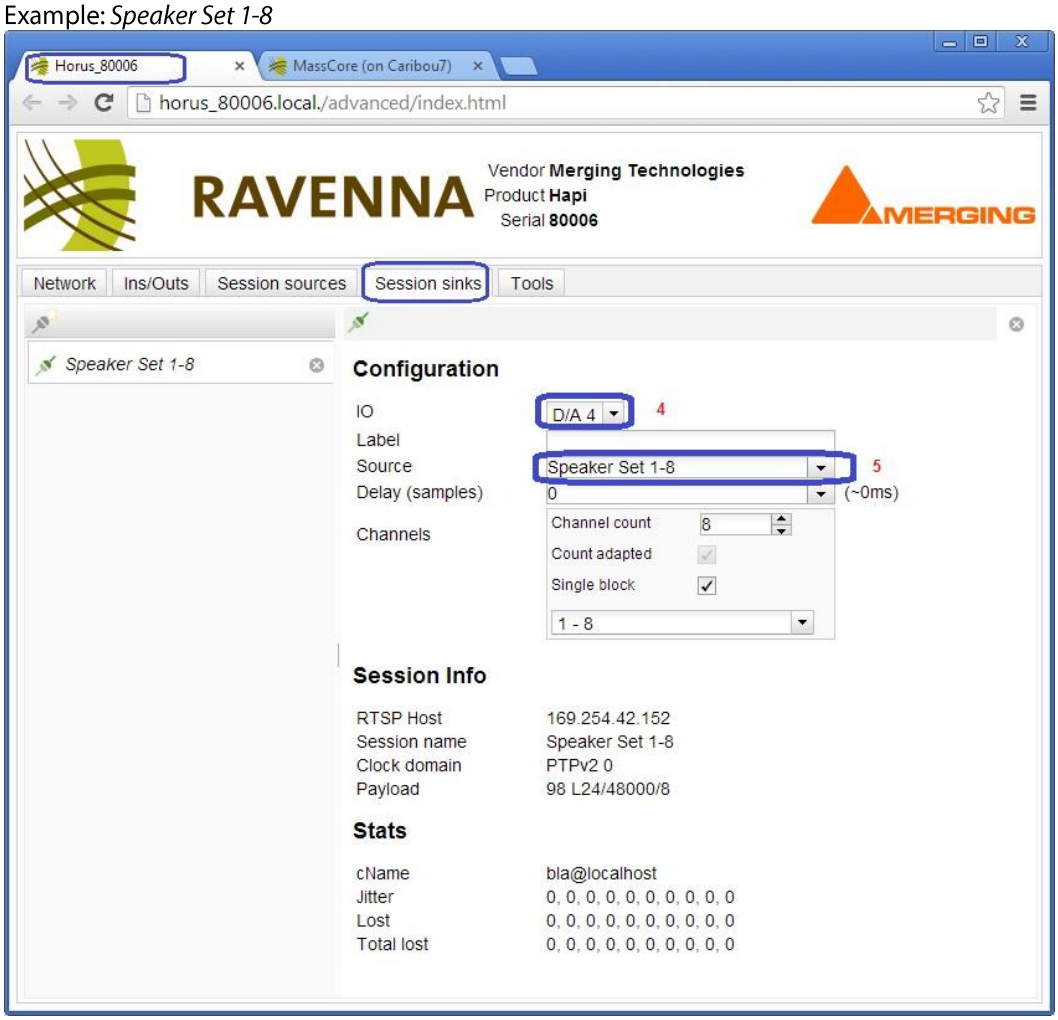

*Note: do not edit any of the other entries*

Personalize the Output Naming on the Horus side

1. In your Chrome Browser select the **Horus Tab**
2. Select the Session sinks Tab
3. Press the Create Session sink icon

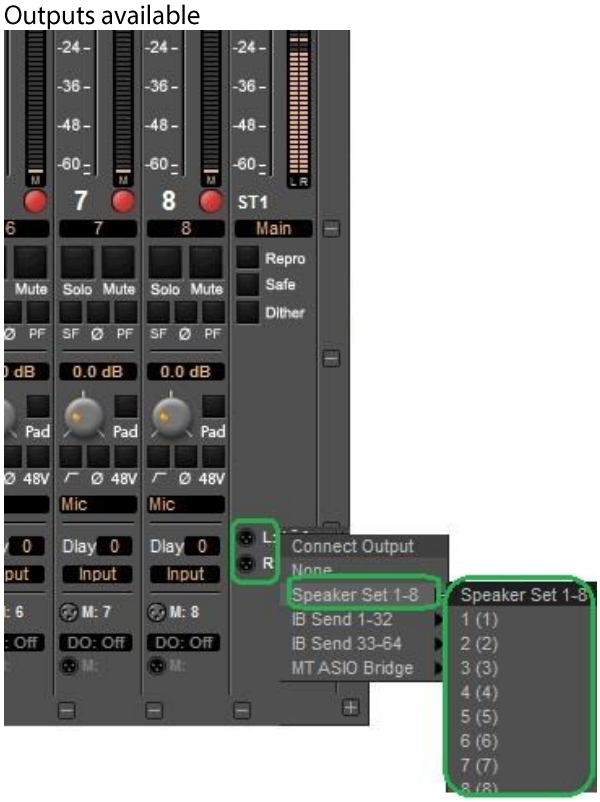

4. Under IO entry select the Output module that you would like to use for the output bank
   Example: D/A 4
5. Under the Source entry select your customized first module bank name that you would like to use for this output bank

Example: *Speaker Set 1-8*




*Note: do not edit any of the other entries*

Within your Pyramix Mixer your should now see the customized naming convention appear under the Outputs available




**Important notes:**

- Never use RAVENNA Easy Connect under such configuration as it will overwrite your customized I/O naming convention
- Long Names can end up truncated in the Mixer I/O entries
- The Pyramix Mixer will not show the wordings; "Horus, "Input", "Output" or "Monitor"
- Backing up your customized configuration has to be done on two sides.
    - Horus: Save your I/O configuration in a Horus Preset
    - MassCore: Back up the *MassCore_RAVENNA.cfg* file located under C:\Users\<USER NAME>\AppData\Roaming\Merging Technologies

  Note: if your customized configuration gets lost you can recall the Horus preset and replace the *MassCore_RAVENNA.cfg*
- The Advanced RAVENNA routing entries can be removed and cleanup by opening the Horus and MassCore. Then manually delete the Tabs Sessions "sources" and "sinks" entries for both the Horus and MassCore browser pages.