NMOS - Out-of-band (OOB)

OOB stands for out-of-band, the control happening out of the media streaming network interfaces NIC 1 and NIC 2 of a RAV.IO module.

NMOS OOB allows control of RAV.IO modules hosted by a PRODIGY via the management port (MGMT) of the device.

Supported services:

- IS-04 Discovery & Registration (version 1.3)
- IS-05 Device Connection Management (version 1.1)

The configuration is set up in globcon, to connect it requires a:

- registry address (Server IP Address)
- port (Server Port)

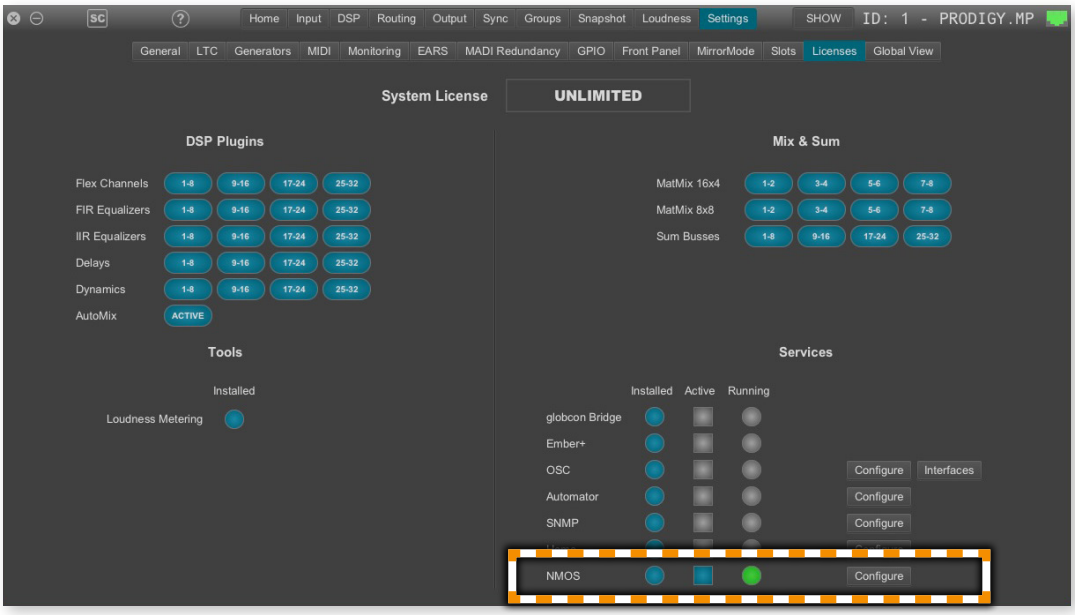
NOTE

It works even if the registry is not existent (place holder address), so that NMOS information can be accessed via OOB anyway (usecase : VSM NMOS gadget).

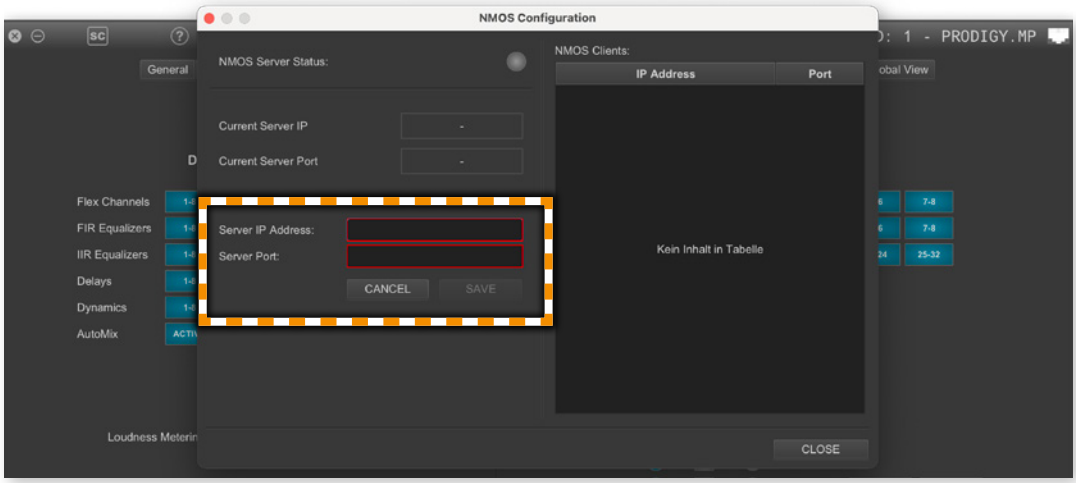
Setup - globcon

1. Open globcon and navigate to the tab ‚Settings-Licenses'.

2. Services - NMOS- click 'Configure' to open the configuration window.



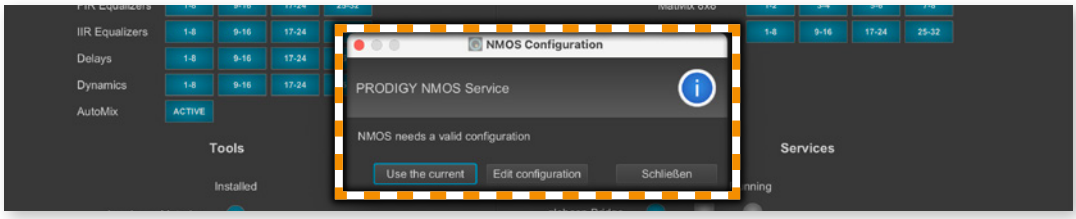
3. Enter IP address (Server IP Address) and port (Server Port) of the registry.



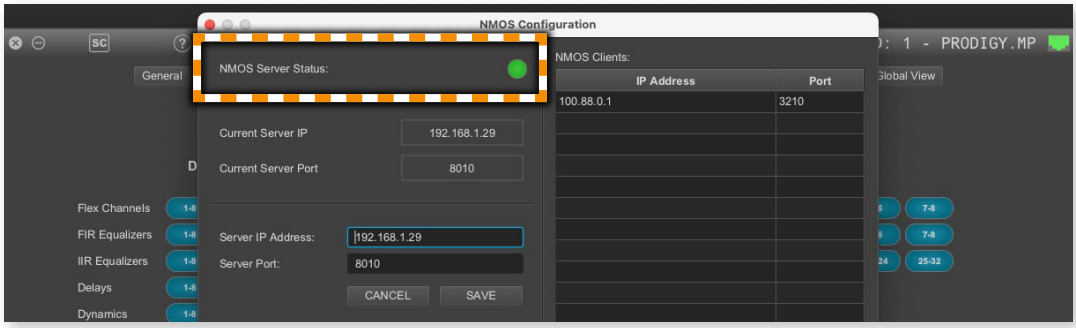
NOTE

The current NMOS implementation does not offer NO DNS-SD, mDNS or P2P mode - they are very rarely used anyway.

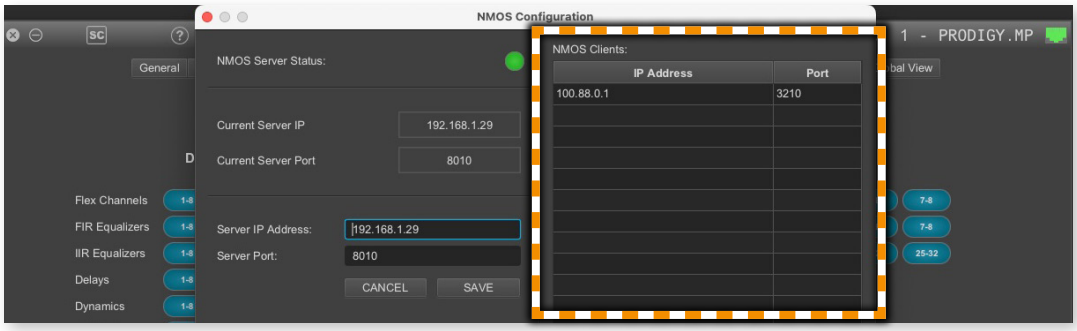
4. Click the check box in the collumn 'Active' to start the service. You will be prompted to use the current configuration or to edit it first.



5. When successfully connected to a registry, the led 'NMOS Server Status' will light solid green.



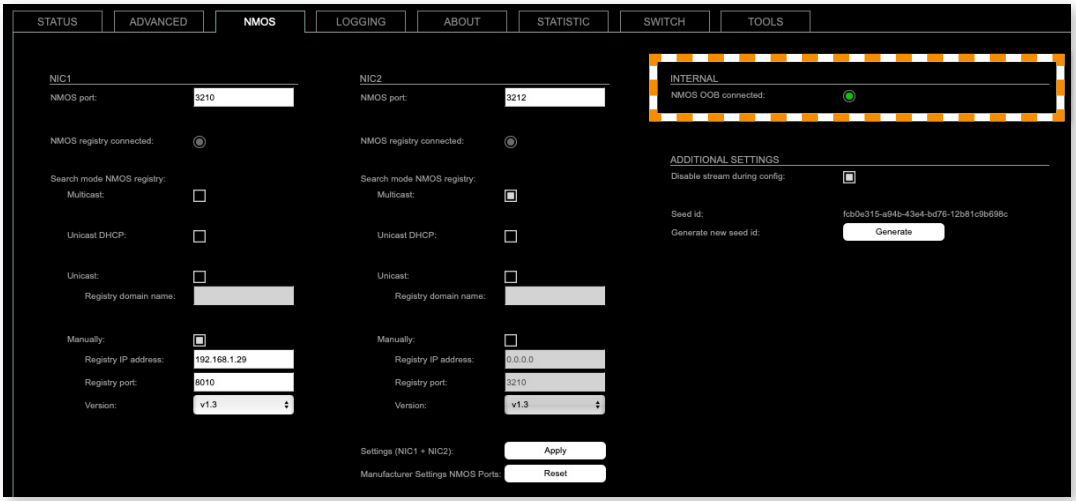
NMOS clients



In the NMOS client array on the right there is the list of connected RAV.IOs. Today they are represented by their internal IPs (100.88.0.{1,5,9,13,17, 21} for slots {1,2,3,4,5,6}) but this will change to a more user friendly indication eventually.

You can access the NMOS infos at http://<prodigy IP>:3219/ where the browser should give you the "x-nmos/" text, you can list devices (RAV.IOs) at http://<prodigy IP>:3219/x-nmos/node/v1.3/devices

Setup - RAV.IO



The status of the internal connection is displayed in the tab 'NMOS' of the browser based user interface (http://<IPADDRESS RAV.IO>

NOTE

NMOS Out-of-band requires a RAV.IO with software version > 1.10.