



Niagara AX™ Lon/ IP 852 Setup with eNode™IV Lon/IP 852 Router

Informal notes on setting up Lon/IP driver AX 3.3.22.

You will need Echelon's Configuration Server software, freely downloadable from Echelon's website or email a request to CNS or you can use Manual Mode, see eNodeIV User Manual on CNS's website.

Step 1

If using a JACE, then configure IP settings

- > change host name to newname, must be other than localhost
- > edit host file with new line newname <JACE IP address>
- > save and reboot JACE.

[Note this is not required for Windows hosts, and will not be required in the future]
[Failure to set for JACE will mean Config server cannot get messages returned to JACE]

Step 2

Install eNode™IV Lon/IP 852 Router onto network and set its IP address configure as per eNode™IV User Manual

Step 3

Station Drivers

- > add Lon/IP driver to station
- > in Lon/IP driver properties set configuration server IP address

Step 4

- > Run Configuration server software on pc
- > add device with IP address/es of eNode™IV's
- > add device IP of Niagara Station
- > check both devices go green after some seconds



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[TIP if JACE device fails (red) and is not responding, check that hosts file was set up in Step 1]

Step 5

Lon/IP driver properties

- > check configuration server members populated
- > check members have IP subnet/node and Neuron Ids

Step 6

Lon/IP driver Lon/IP 852 Router manager

> discover router (may not be discovered if router not set up with address already)

If router can be set directly using own browser, set

domain length zero

channel 1 (if required)

subnet 1

node (not 127)

node state configured

router type Configured (preferred, but can try with repeater)

[TIP: if using many routers, then Configured type is recommended. Repeater type will put all traffic on all channels]

[TIP: with eNode™III try repeater type as at present there is an issue using Configured type] then retry discovery

If router can not be set, then add router device manually

When adding router check

Neuron Id (IP routers may have 3 Neuron Ids, use the one for Node ID-IP, not for APP or for 709.1)

type as configured

mode normal

near channel 1

near address subnet 1 node of your choice

far channel 2

far address subnet 2 node of your choice



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[Tip: channel numbers and subnet numbers need to be different both sides of the router, a channel can have multiple subnets]

[Tip: for simplicity choose subnet number = channel]

[Tip: Discovered/QuikLearned devices may not correctly pickup channel address, use Edit to check far channel 2 is set]

Commission router device

Step 7

Lon/IP 852 driver device manager

- > discover devices
- > check you can see device
- > Add devices to databases
- > check that devices use channel 2 subnet 2 (or numbers assigned to FTT side of router)
- > if manually added (not with QuikLearn) then remember to upload device config if required

[Tip: Discovered/QuikLearned devices may not correctly pickup channel address, use Edit to check far channel 2 is set]

- > Commission devices
- > Add proxy points as required
- > LonIP driver link manager
- > bind links

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