

Connecting an NVISION Router Frame to TallyMan

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Version History

Issue	Date	Change Details
1	14/03/18	First Issue

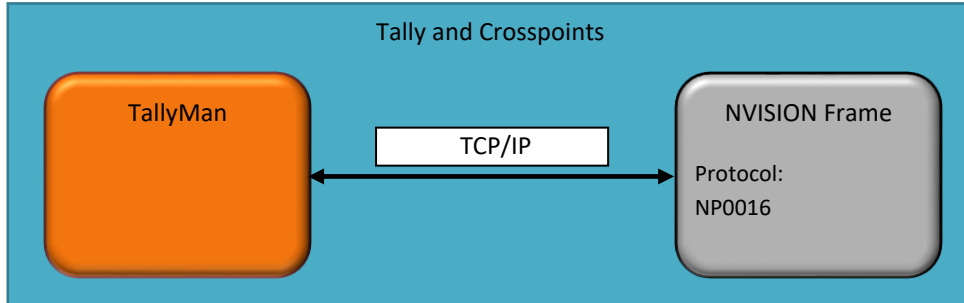
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Overview

Functions

- Crosspoint read: from Frame to TallyMan
- Crosspoint Control: from TallyMan to Frame

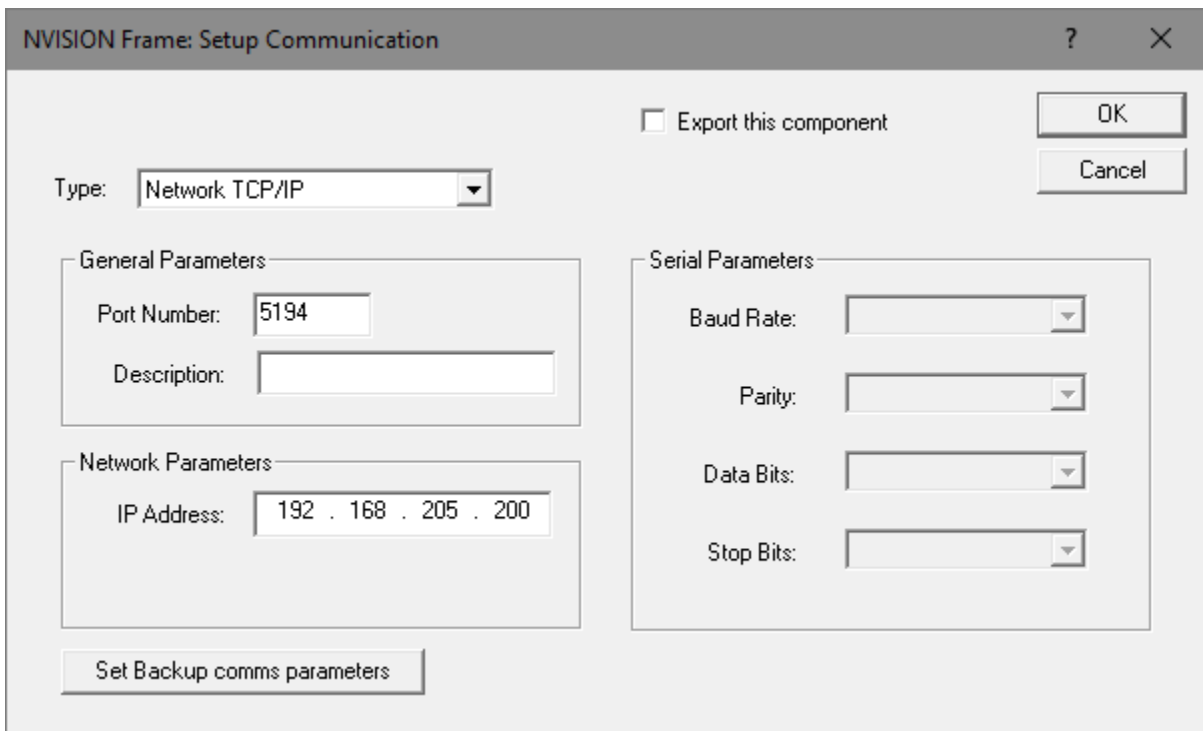
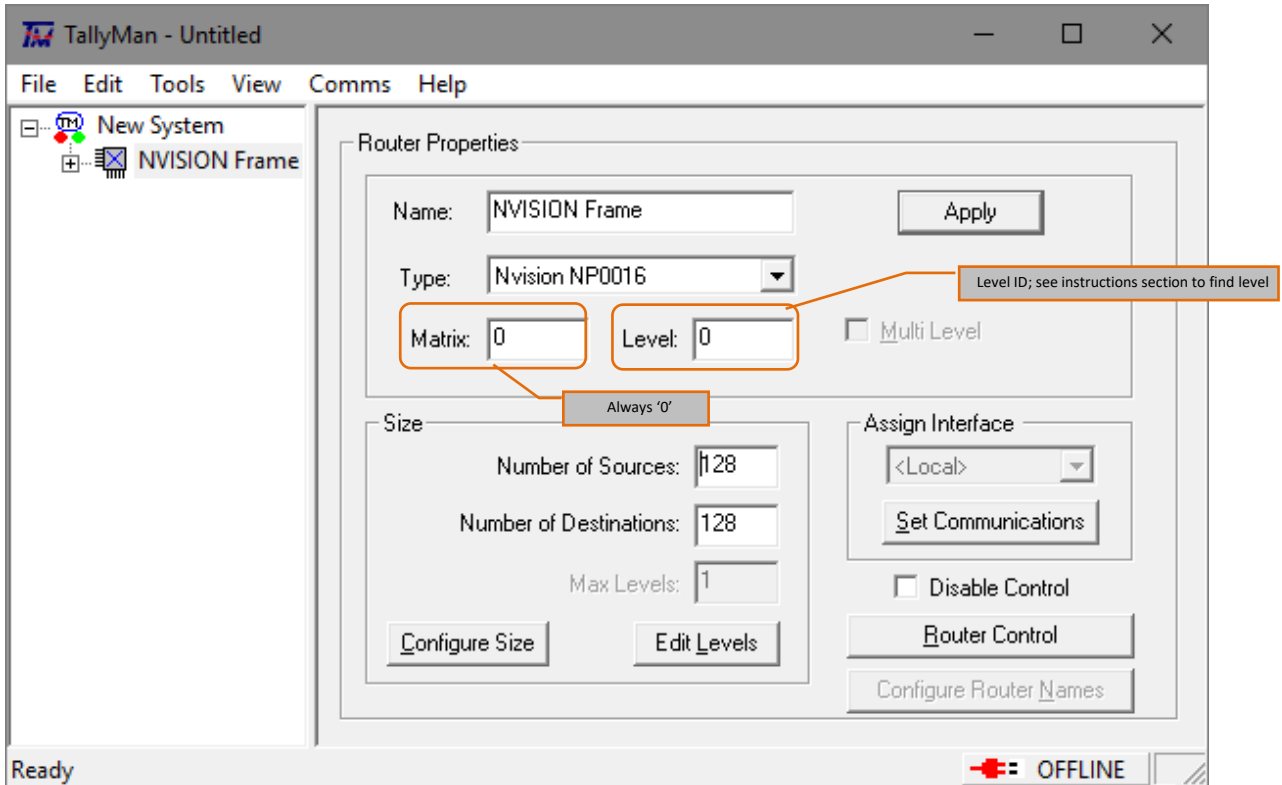


Notes

Crosspoints

Comms

1. Screenshots



2. Detail

Protocol

- Official protocol name: NP0016
- Protocol name in Device: NP0016
- Protocol name in TallyMan: Nvision NP0016

Connection

- Comms: TCP/IP
- Default Port: 5194
- Component Type in TallyMan: Router
- Third party interface required: None

Instructions

To begin connecting TallyMan to a NVISION Router, both devices must be powered on and connected to the network. In order to carry out the following configurations one must use the Router's Configurator software.

1. Configure comms with the controller cards

To find the IP of the controller card, navigate to 'ethernet settings' in the box labelled 'Network setup' on the left hand side of the page. This is the IP required in the TallyMan configuration

The screenshot shows the 'Miranda Router Configurator' interface. On the left sidebar, 'Ethernet Settings' is selected under 'Network Setup'. The main area displays a table of Ethernet settings:

Update	Online	Name	Type	IP Address	Subnet Mask	Gateway IP
Change	Online	Miranda REC	Miranda	192.168.1.6	255.255.0	192.168.1.254
Active		Miranda REC	Miranda	192.168.1.6	255.255.0	192.168.1.254

Annotations in the image point to 'Ethernet Settings' in the sidebar and the IP address '192.168.1.6' in the table, identifying it as the Controller IP Address.

2. Finding the Level ID

The screenshot shows the 'Miranda Router Configurator' interface. On the left, the 'Configuration' menu has 'Router Levels' selected. The main area displays 'Crosspoint Ranges for Level Settings' with the following table:

Level	Physical Input Start	Physical Input End	Controller Source Start	Controller Source End	Physical Output Start	Physical Output End	Controller Destination Start	Controller Destination End	Signal Type
1	1	288	1	288	1	576	1	576	Digital Video
2	1	4608	1	4608	1	9216	1	9216	Synchronous Audio

Below this is the 'Network Frame Summary' table:

Card	Module	Name	Type	IP Address	Expansion
1	NI/2224-FIB	NI/2230	NI/2230	192.168.1.5	Stand Alone
2	NI/2224-SEC	NI/2230	NI/2230	192.168.1.5	Stand Alone

To find the Level value required in TallyMan navigate to 'Router Levels' in the 'Configuration' box on the left of the screen.

Note: For continuity between the sources in the router and how they are represented in the TallyMan software, make sure the 'Controller Source Start' is 1 and the 'Controller Source End' is the number of physical inputs to the router. Likewise configure the 'Controller Destination start' to be 1.

The number of sources and destinations specified in TallyMan should be the same as the number in 'Physical Input End' and 'Physical Output End'.

TallyMan requires a router per level, so in this example we would add two routers one set to level 1 for the Digital Video level and one set to level 2 for the Synchronous Audio level.