



**Television  
Systems Limited**

**TallyMan**

THE ONLY TALLY SYSTEM YOU'LL EVER NEED

## Tallyman Controller Quick Configuration Manual

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## Contents

Introduction .....	3
Initial Setup .....	4
Connecting to your TallyMan controller .....	5
Adding a new component.....	11
Configuring the Vision Mixer .....	13
Configuring the Router .....	16
Mapping sources/Destinations .....	18
Split sources .....	18
Mixer sources from Router destinations .....	19
Adding the UMD .....	22
Adding the Multiviewer .....	25
Camera Tallies.....	29
Writing the configuration to the controller.....	31
Safety .....	32
Installation .....	32
Earthing/Grounding .....	32
Mounting.....	32
Power .....	32
Ventilation.....	32
EC Declaration of conformity .....	33
Warranty, Maintenance and Repair .....	34
Failure during warranty .....	34
Technical support information .....	34
TSL Returns Procedure.....	34
Fault report details required.....	34
Packing .....	34

## Introduction

The following document is intended as a guide to the quick setup of the core parts of a basic Tally system and reflects only a very small fraction of the functions and capabilities of the TallyMan. A complete reference is available in the *TallyMan Configuration Manual*.

This basic Tally system will consist of a Vision Mixer/Switcher providing Tally information serially over RS422, a router providing crosspoint information serially over RS422, a multiviewer receiving Tally and Mnemonic information over IP , 4 Under Monitor Displays (UMD) receiving Tally and Mnemonic information serially over RS422 and Cameras receiving Tally information via GPI.

An accompanying .tms configuration file TallyMan\_Quick\_Config.tms is provided and may be opened on any PC running TallyMan.

[Back to Top ^](#)

## Initial Setup

For initial Setup and installation instructions for your TallyMan controller please refer to the *[TallyMan Controller Installation Manual](#)*

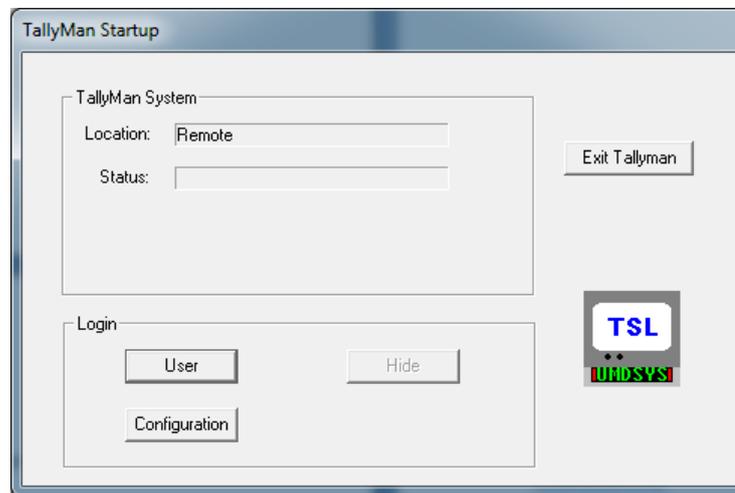
The *TallyMan Controller Installation Manual* provides safety, pinout and IP configuration instructions and is available from the TSL website [www.TSL.co.uk](http://www.TSL.co.uk) or from the dedicated TallyMan support website [www.TallyMan.tv](http://www.TallyMan.tv) under **Manuals**.

[Back to Top ^](#)

## Connecting to your TallyMan controller

To begin configuring your TallyMan controller first install the current version of TallyMan, this is available from the TSL website [www.TSL.co.uk/support\\_updatedapps.aspx](http://www.TSL.co.uk/support_updatedapps.aspx) .

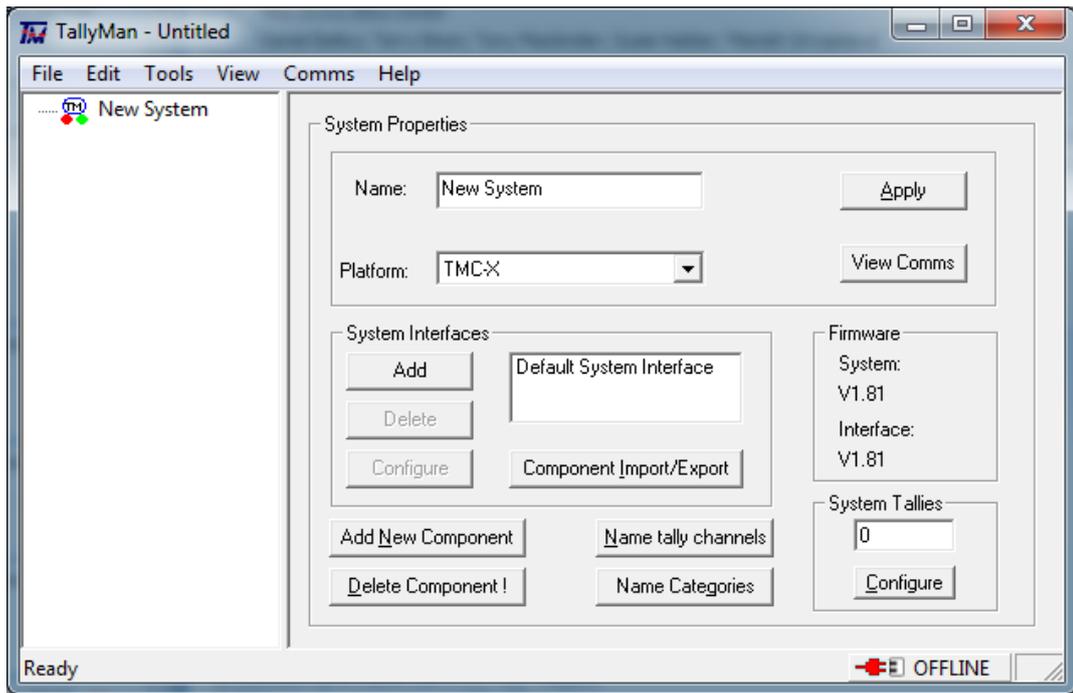
1. Run the application and you will be presented with the following screen.



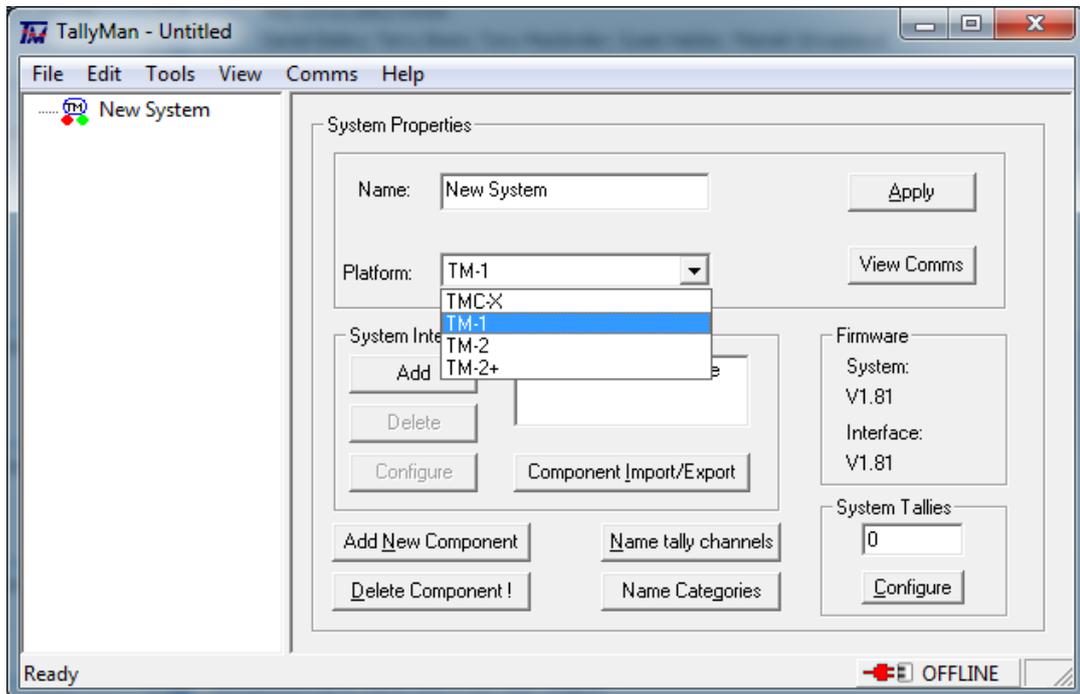
2. Click the **Configuration** button and you will be presented with the “Confirm Authentication” window.



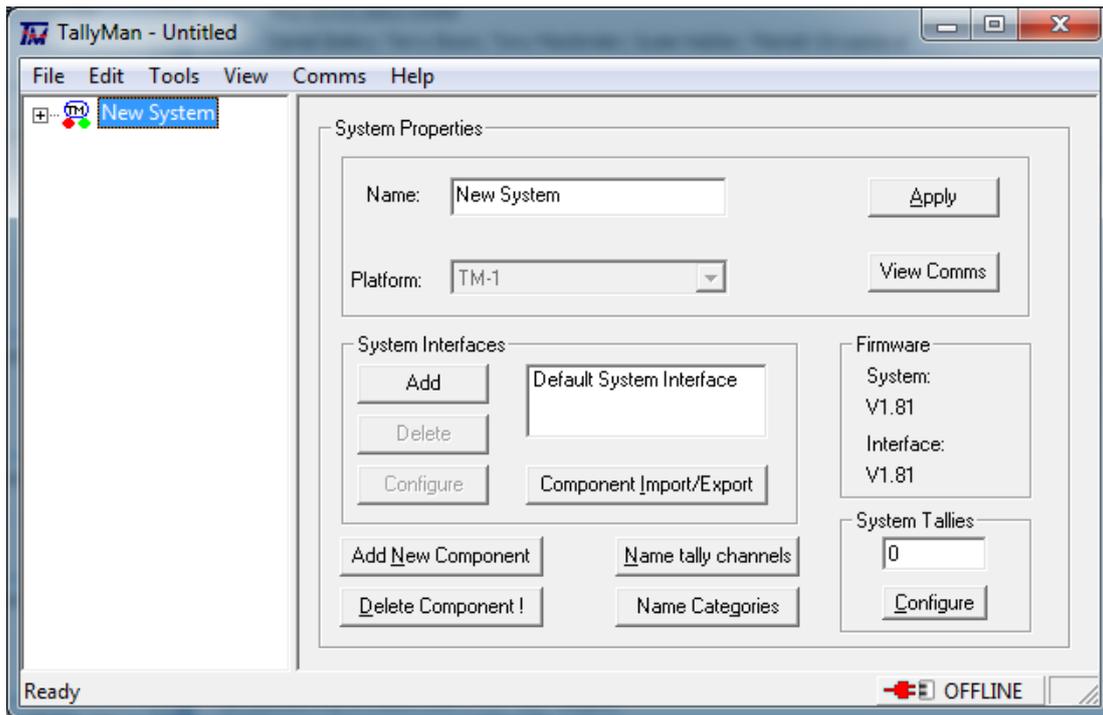
3. Click the **OK** button leaving the “Enter Password” field blank. There is no password as default.
4. You will now be presented with the main TallyMan screen. The left hand side of this Window is the “System Tree”, containing all of the components within the system represented as nodes. The Right hand side of this window is the “Active Pane” and displays information relevant to the node selected in the System Tree.



- The first step is to enter a name for your system (in this example it has been left as “New System”) and set the Platform i.e. the model of TallyMan controller you will be connecting to, in the example below a TM1 has been selected.

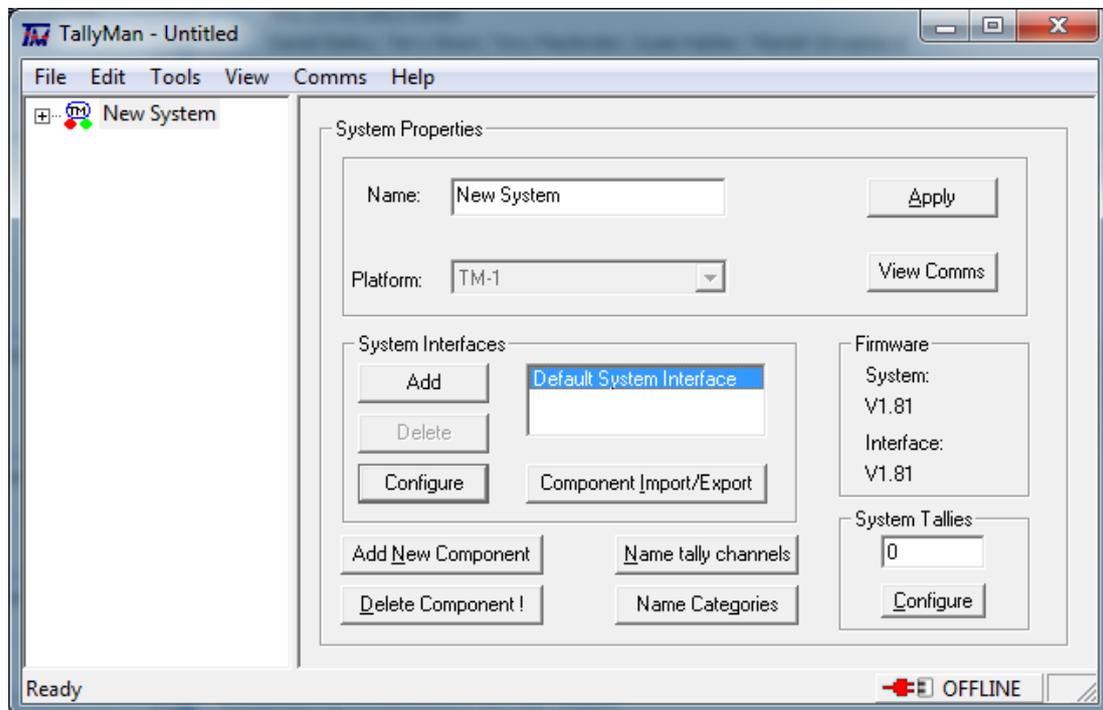


- Click **Apply**.

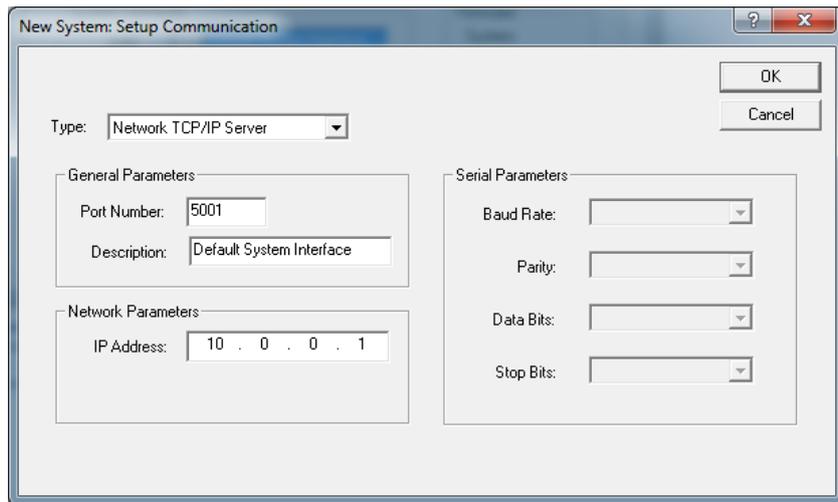


You will see that the Platform field is now grey and cannot be changed. If you have set the platform incorrectly you will have to start a new configuration by navigating to File -> New.

- Click **Default System Interface** to highlight it and you will see the Configure button has become clickable.

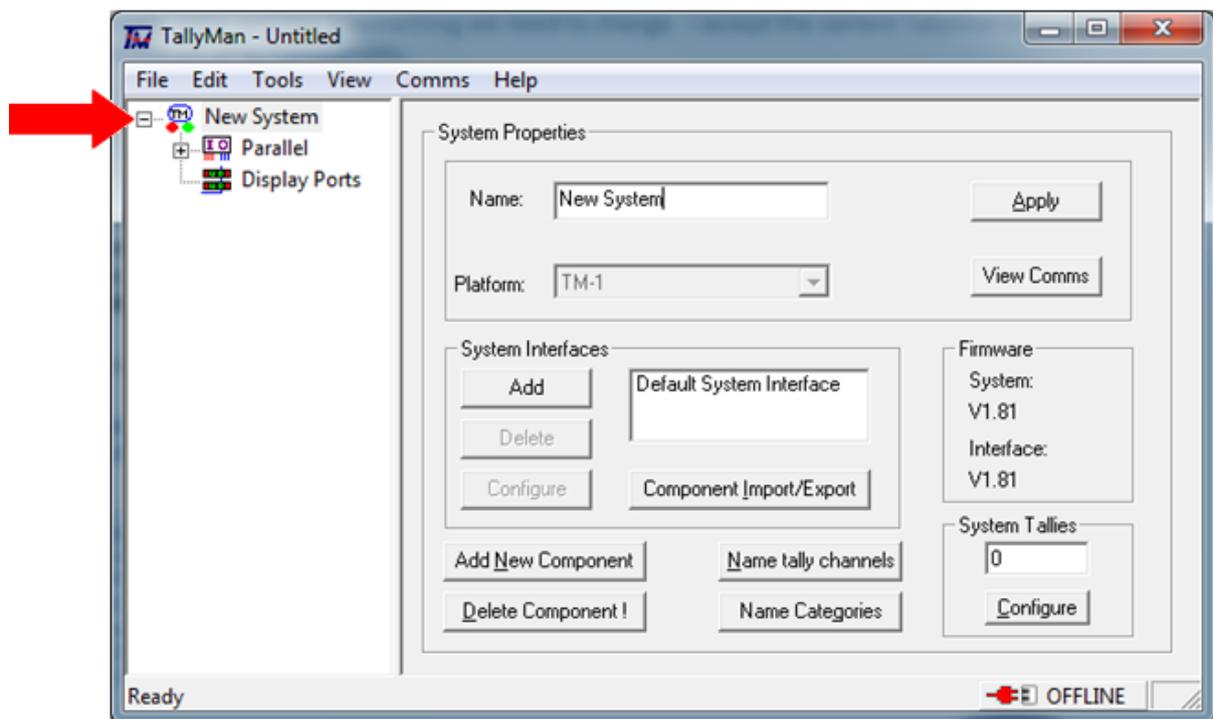


- Click **Configure**. You will be presented with this screen.



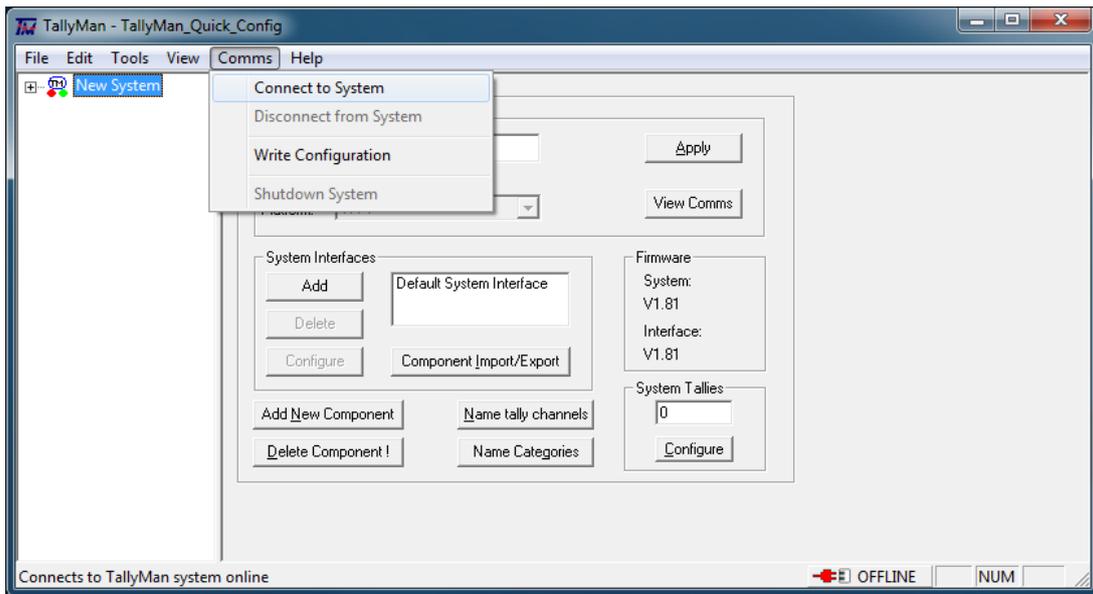
9. Enter the IP address of your TallyMan controller and click **OK**.

10. If you now click the + symbol next to the topmost node in the system tree you will see that some components may have been generated for you already, dependant upon the model.



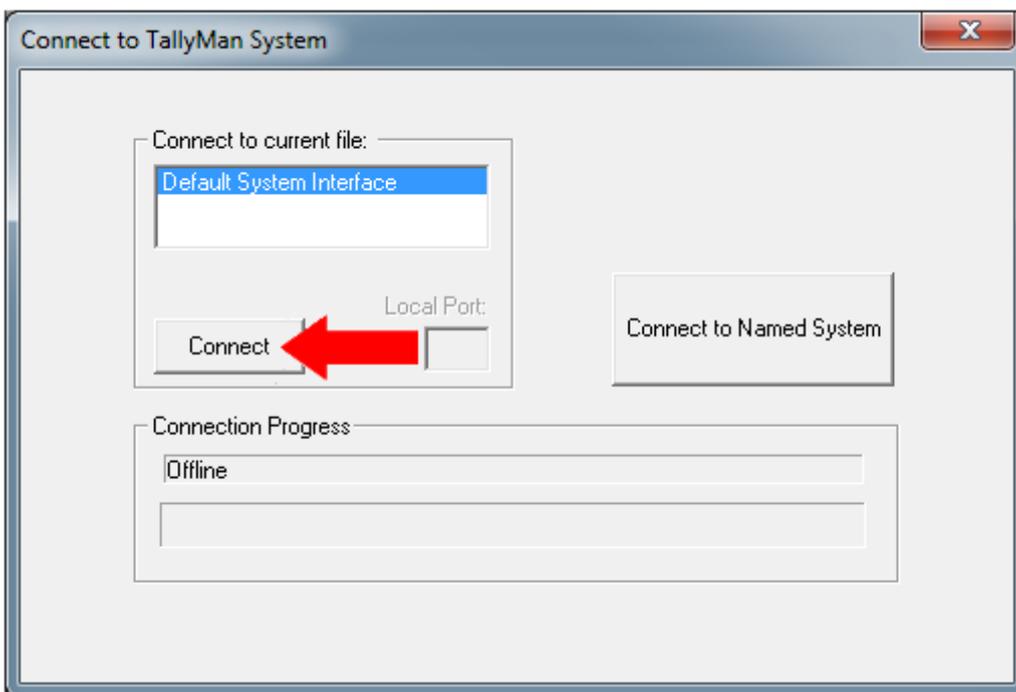
In this configuration a TM1 has been selected so Parallel Tally and Display port components have been generated automatically. The Parallel Tally has been set as 32 in 32 out as default and the display ports set to port 4, port 4 addresses all of the 8 RJ45 display ports on the rear of a TM1.

11. Navigate to “Comms -> Connect to System”.

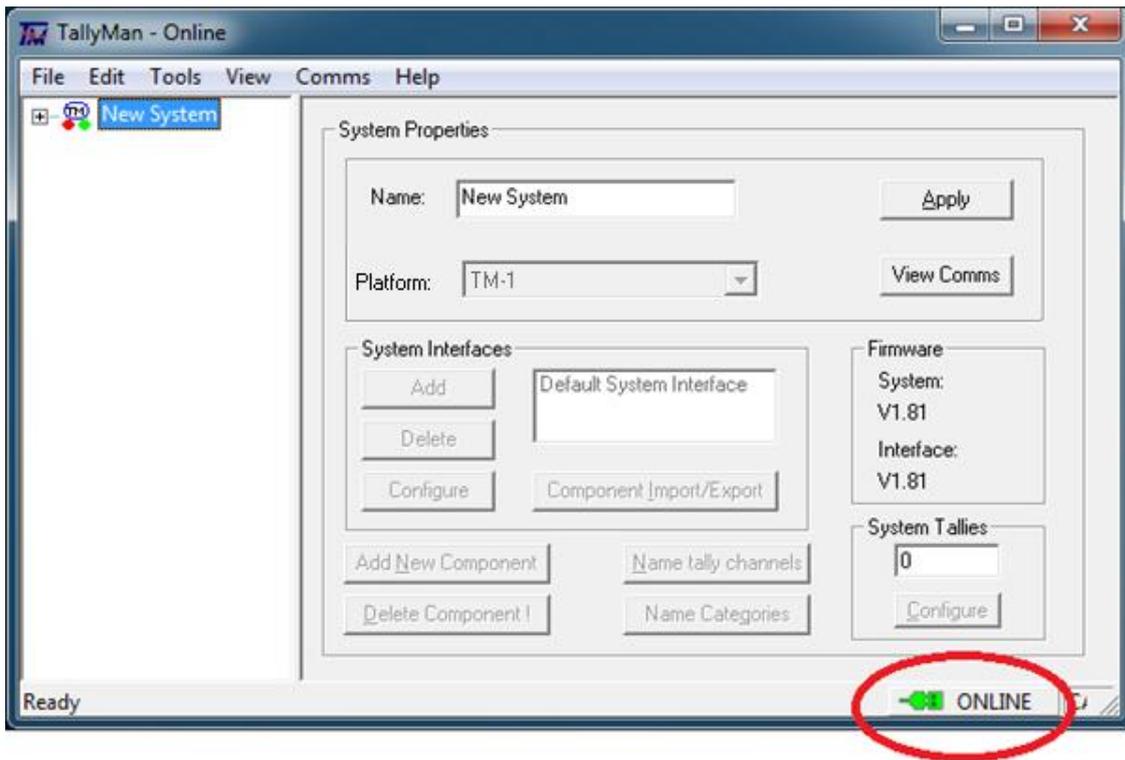


12. You will be asked if you wish to save the current offline file, click **Yes** and save the file with a suitable name.

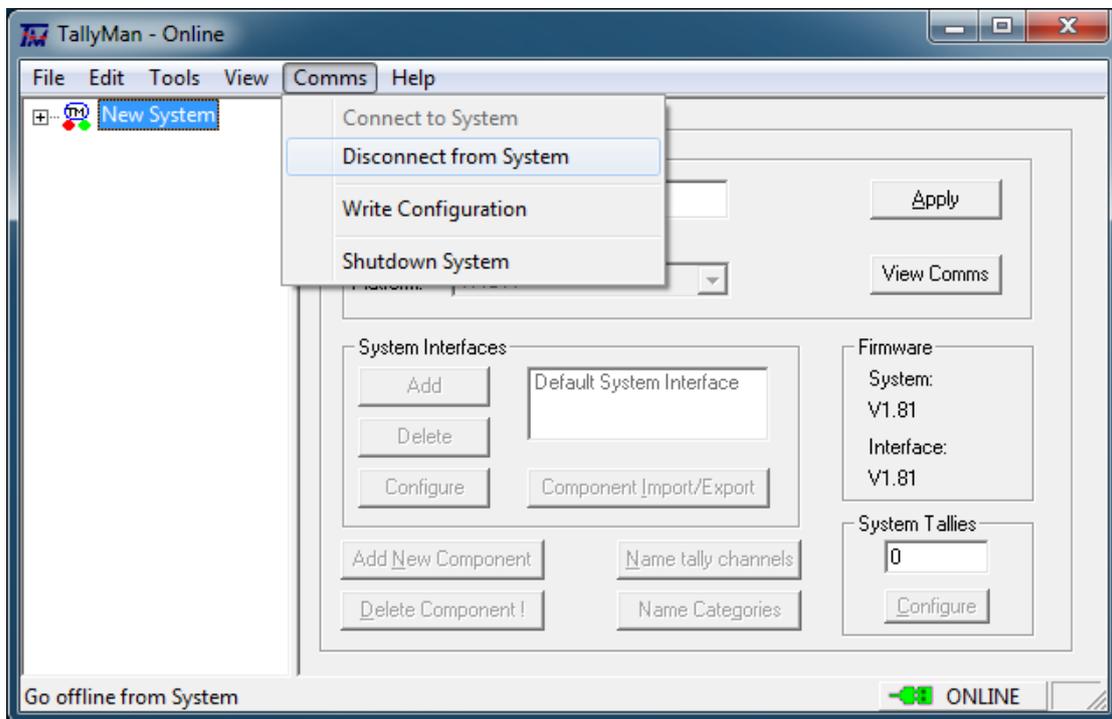
13. You will be presented with the “Connect to TallyMan System” Window. Click **Connect**.



14. Confirm that you have successfully connected by inspecting the bottom right corner of the screen.

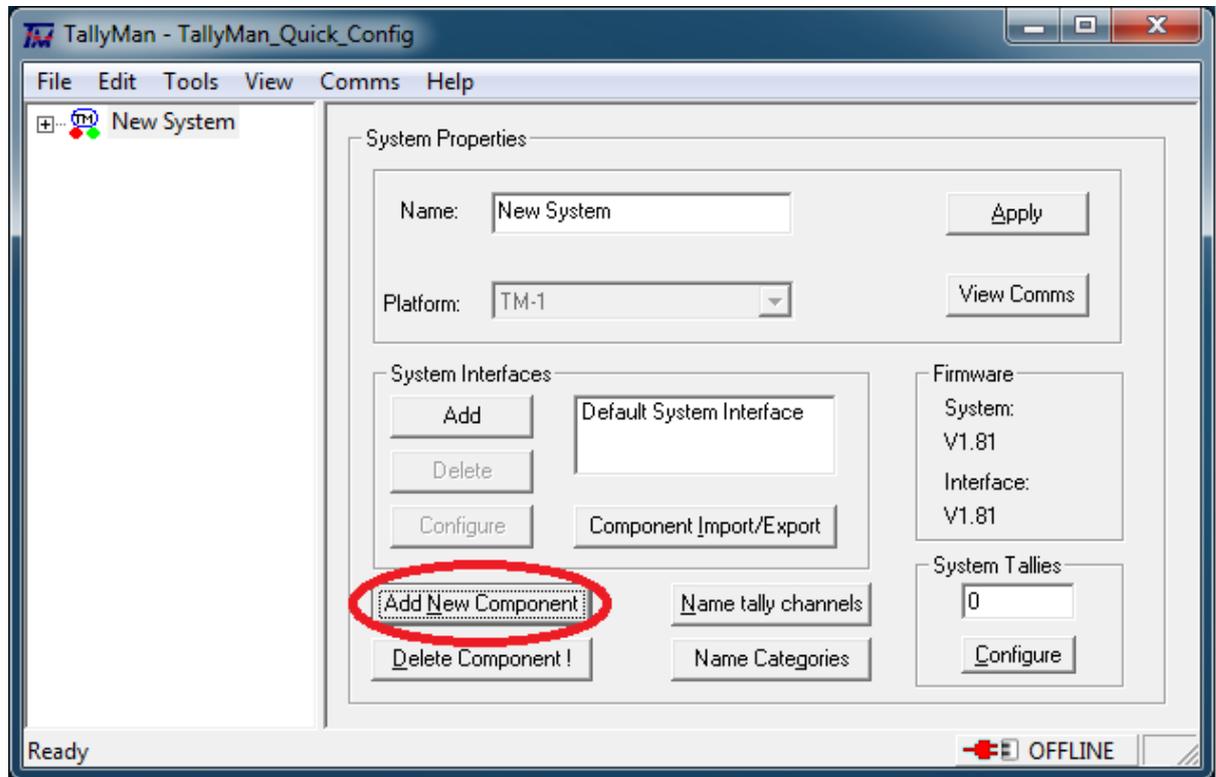


15. Now that a connection has been confirmed, disconnect from the TallyMan controller by navigating to “Comms -> Disconnect from System” and continue with the configuration.

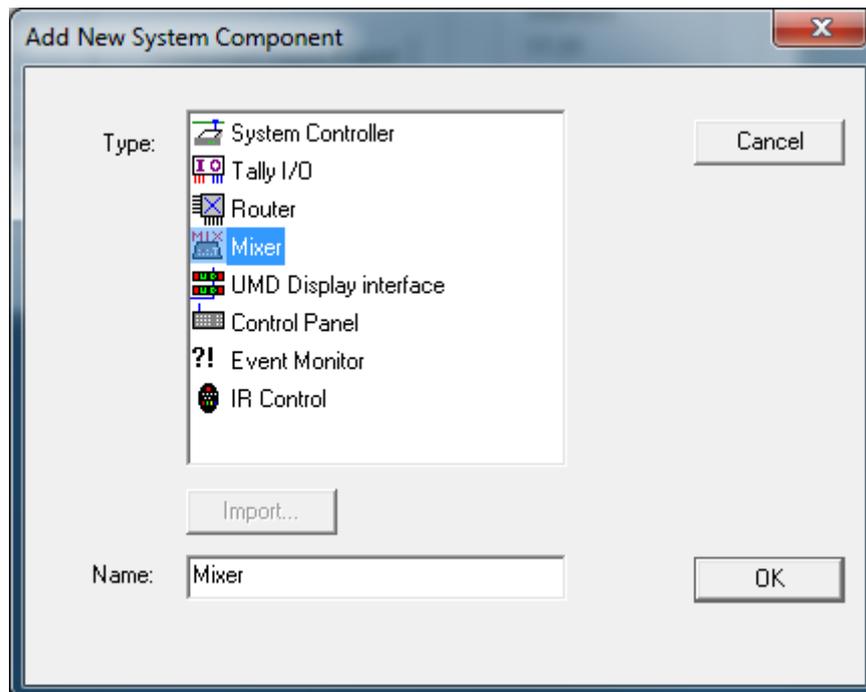


## Adding a new component

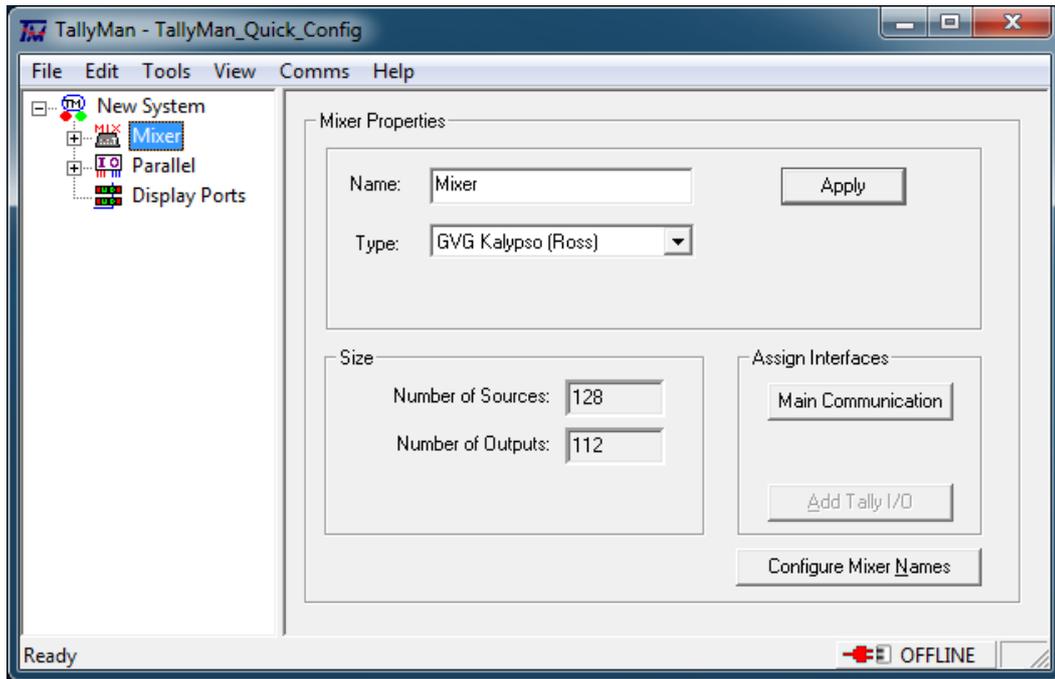
1. Click **Add New Component**.



2. Enter a name for the new component select the type of component and click **OK**.

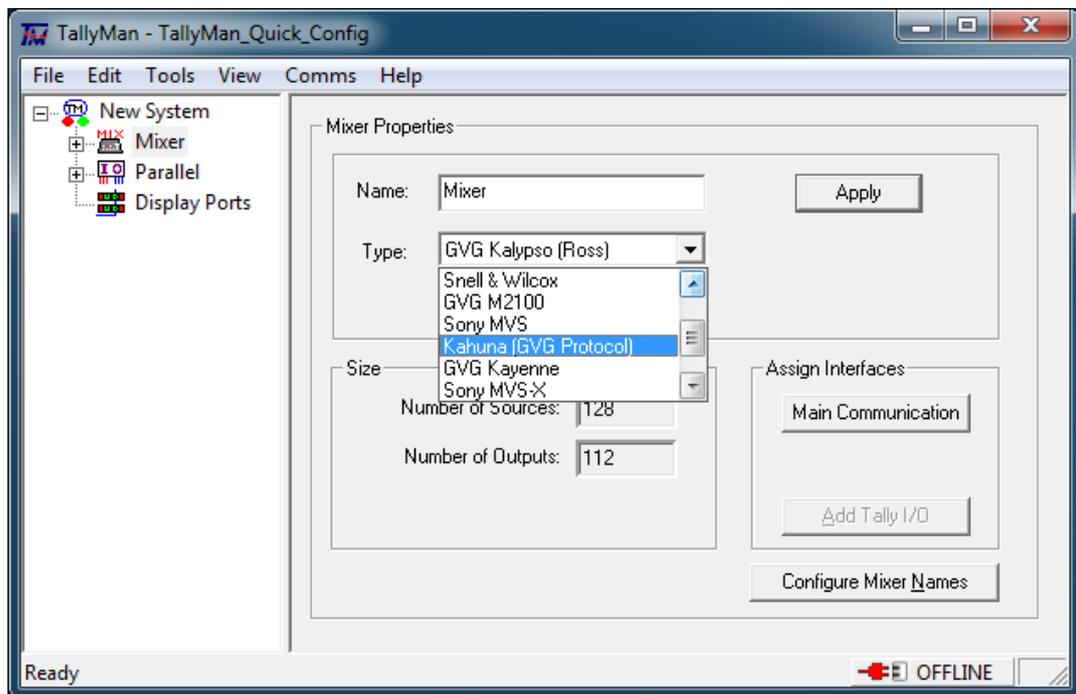


3. You will now see the new component appear in the system tree, the new component will already be selected and the active pane will show the settings.

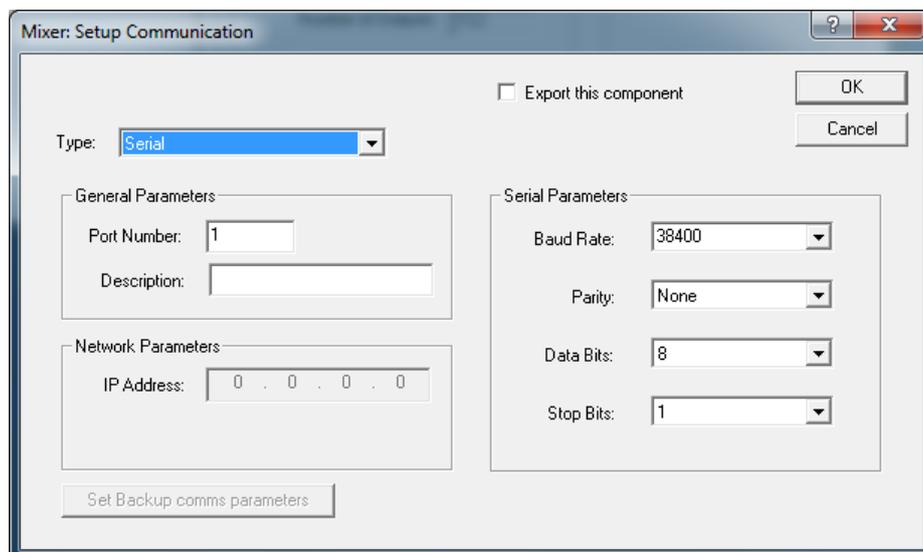


## Configuring the Vision Mixer

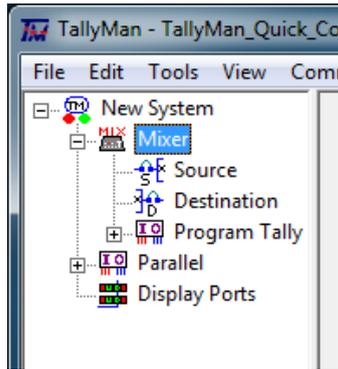
1. Add a Mixer in the manner described in the Adding a New Component section.
2. Select the necessary protocol from the drop down list labelled “Type”.



3. Click **Apply**.
4. Click **Main Communication**. The “Setup Communication” window will appear.

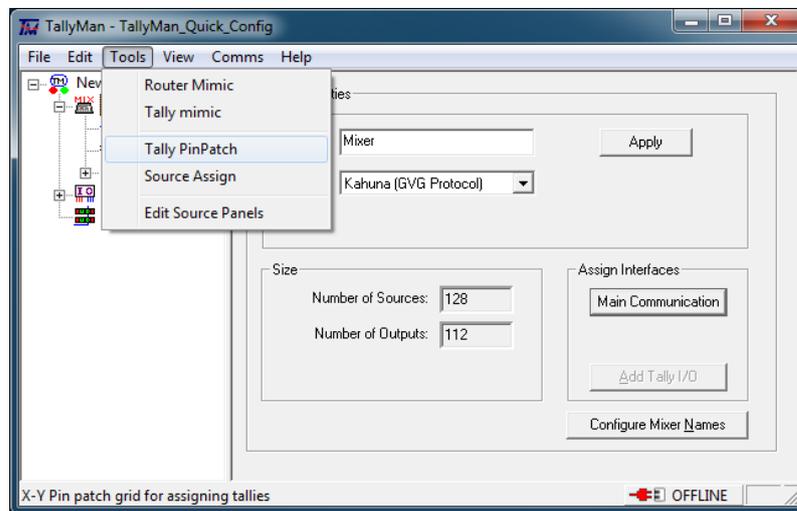


5. Select the type of communication (IP or serial) in the drop down list and ensure the Parameters are set according to the device to which you are connecting. Click **OK**.
6. Expand the Mixer node and you will see three items; Source, Destination and Program Tally.

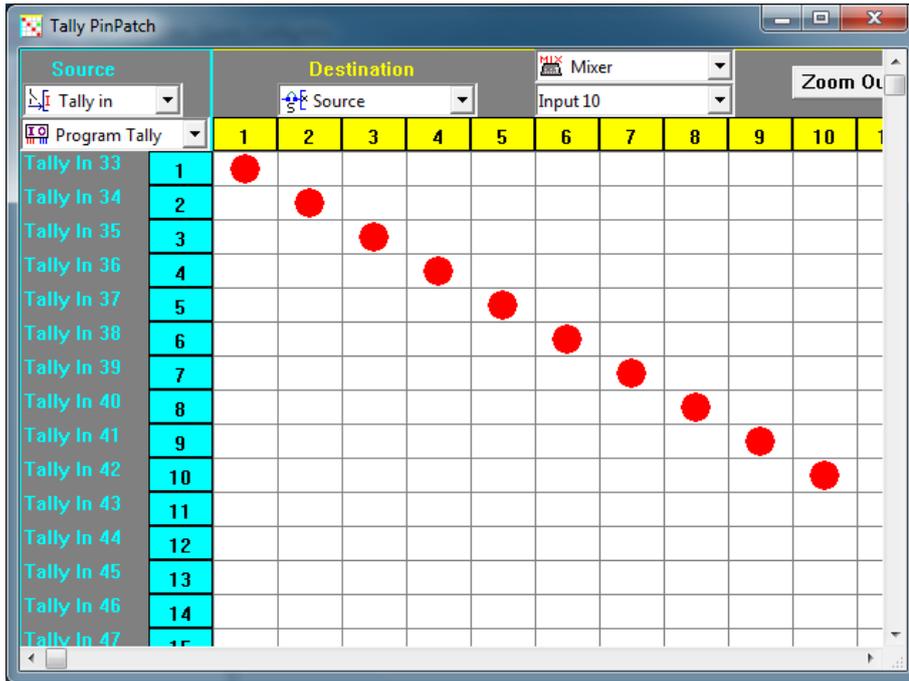


The mixer is treated as two independent objects, a special case router and a Tally serving device. The next step is to unite these two data sets by informing the TallyMan which Tallies relate to which sources. This is done using a Tally PinPatch.

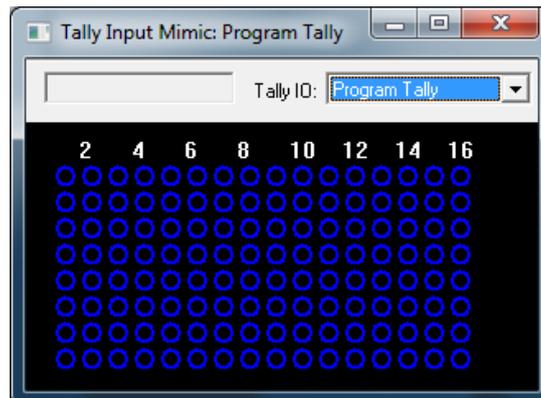
7. Navigate to “TOOLS -> Tally PinPatch”



8. Select the Mixer sources as the Tally destination and the Program Tallies as the Tally Source.
9. Map the Program Tallies to the Mixer Sources. To complete the Pin Patch, close the window and any changes will be automatically saved.



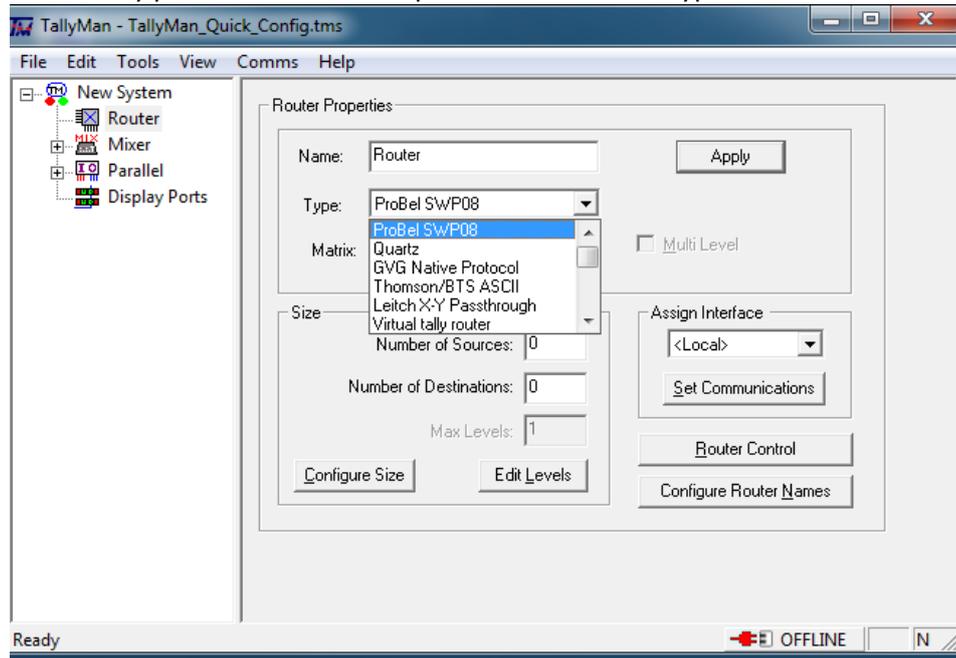
The above has been mapped 1:1. To confirm the correct assignment of the Tallies navigate to “TOOLS-> Tally Mimic” and select Program Tally in the drop down list.



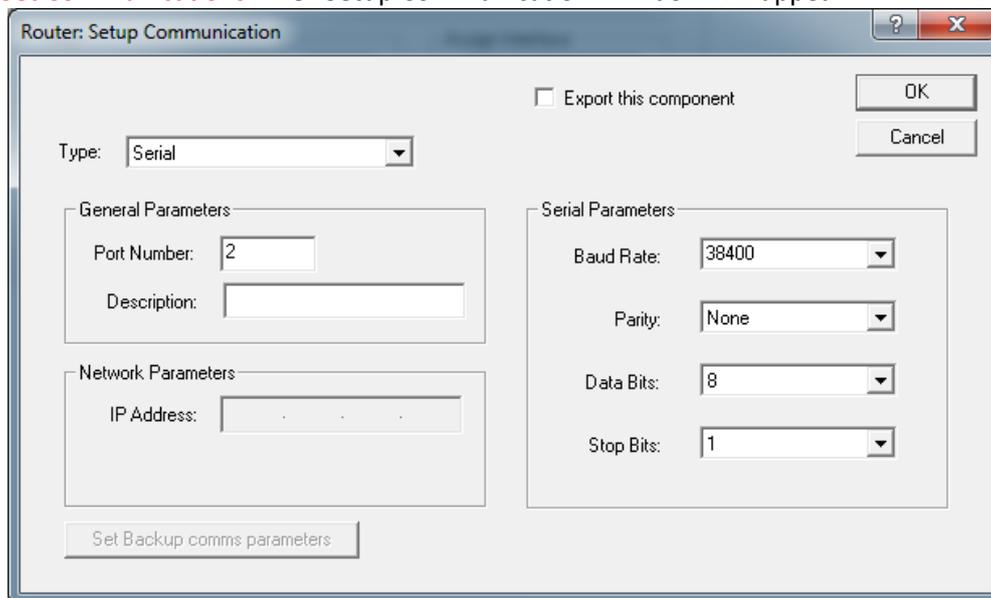
The incoming tallies will light up as red dots within the blue circles.

## Configuring the Router

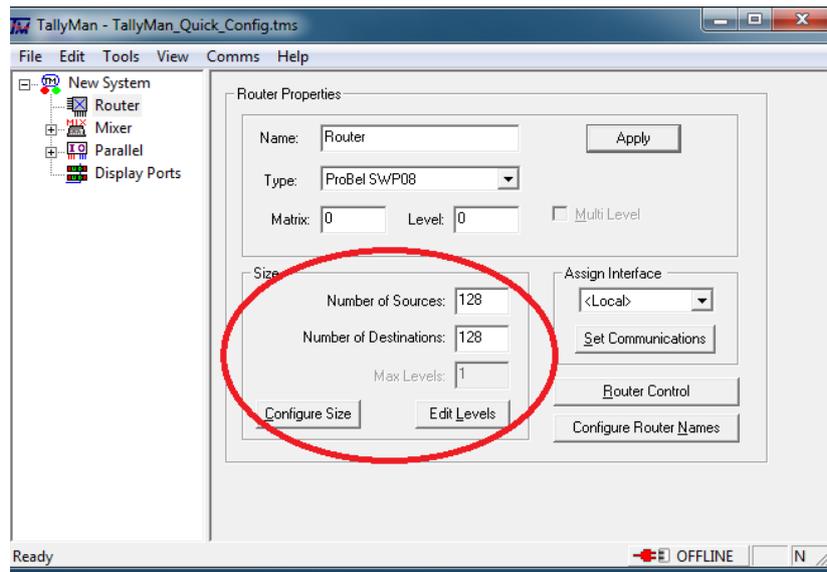
1. Add a Router in the manner described in the Adding a New Component section.
2. Select the necessary protocol from the drop down list labelled “Type”.



3. Click **Apply**.
4. Click **Set Communications**. The “Setup Communication” window will appear.



5. Select the type of communication (IP or serial) in the drop down list and ensure the Parameters are set according to the device to which you are connecting. Click **OK**.
6. If it is not set to default values and greyed out enter the size of the router and click **Configure Size**.



7. The Matrix value will always be 0 unless you are looping through RS422 connections.
8. The Level value is dependant upon the settings in the router and may be subject to a +1 offset.
9. The default names of the sources/destinations of the router will be numbered with an offset of + the number of mixer sources/destinations as the mixer was added first in this configuration. I.e. if there are 128 mixer sources then source 1 of the router will have a default name of "Source 129".

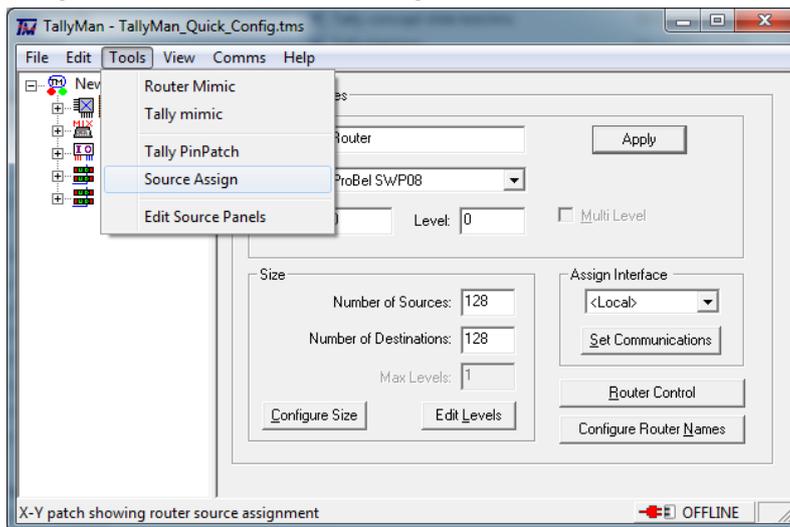
## Mapping sources/Destinations

To create an efficient configuration that can be easily modified and updated, should the need arise; it is essential that the TallyMan controller has an understanding of the system architecture. This is configured using Source Assignments.

### Split sources

If a source is split and shared by the Mixer and Router:

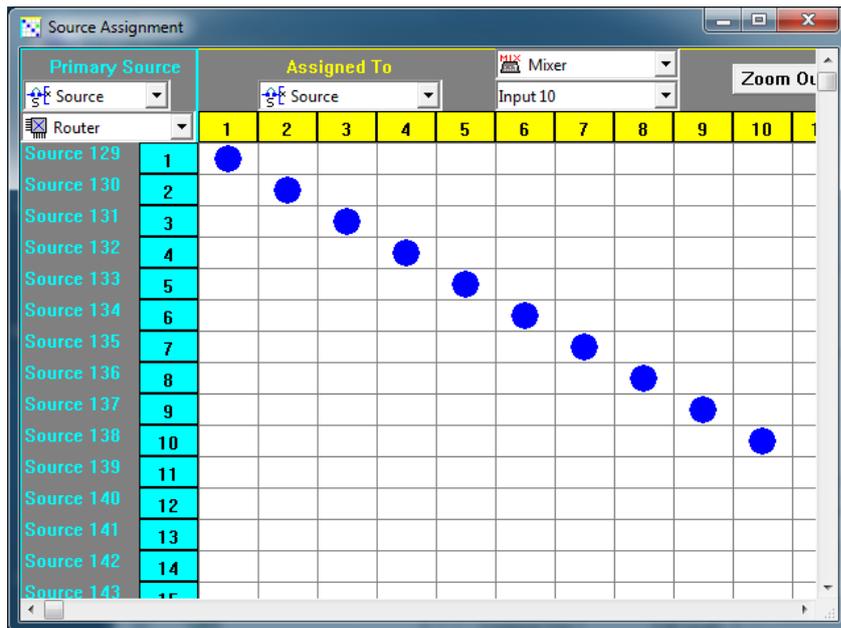
1. Navigate to “TOOLS -> Source Assign”.



2. The following window will appear.



3. Select the Mixer sources in the “Assigned To” drop down list, always use the Router sources as the primary sources.
4. Click within the grid to create source assignments and inform TallyMan that these sources are the same.

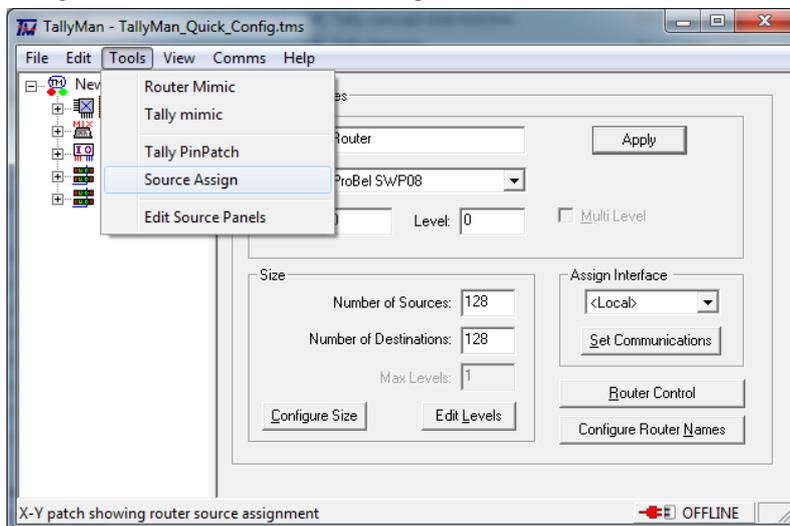


5. Close the window, the changes will be saved automatically.

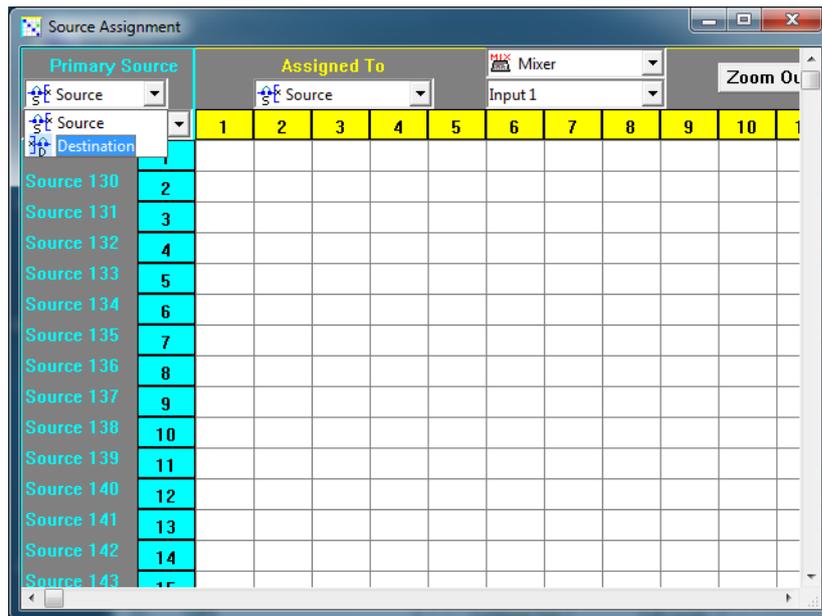
## Mixer sources from Router destinations

If the Mixer source is wired from a router destination:

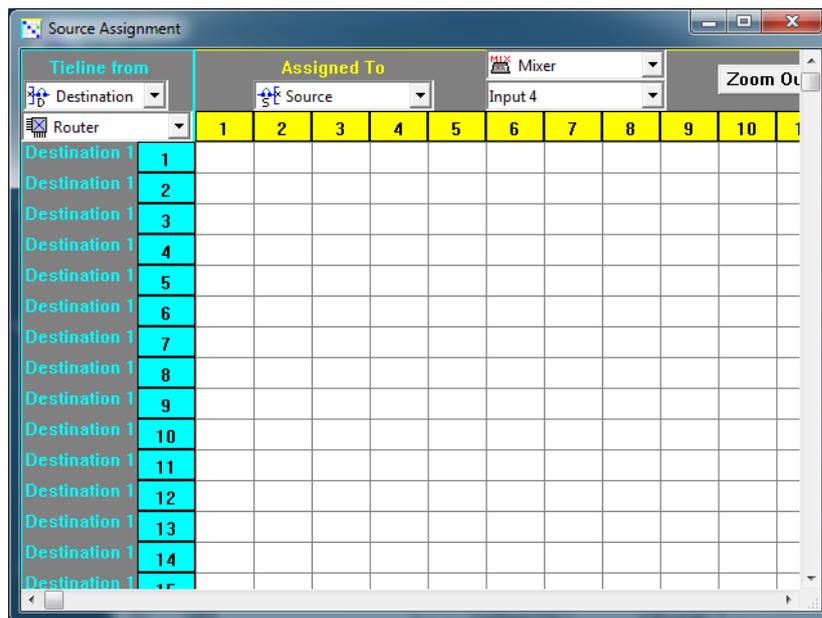
1. Navigate to “TOOLS -> Source Assign”.



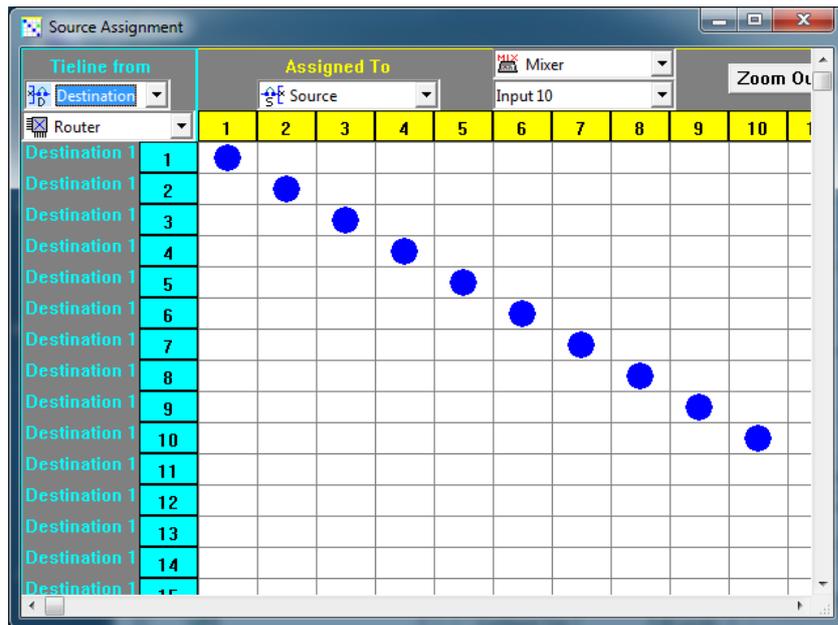
2. The following window will appear.



3. Select the Mixer sources in the Assigned To drop down list, and the Router Destinations as the primary sources, once router destinations have been selected in the drop down list you will see that the text "Primary Source" has changed to "TieLine from".



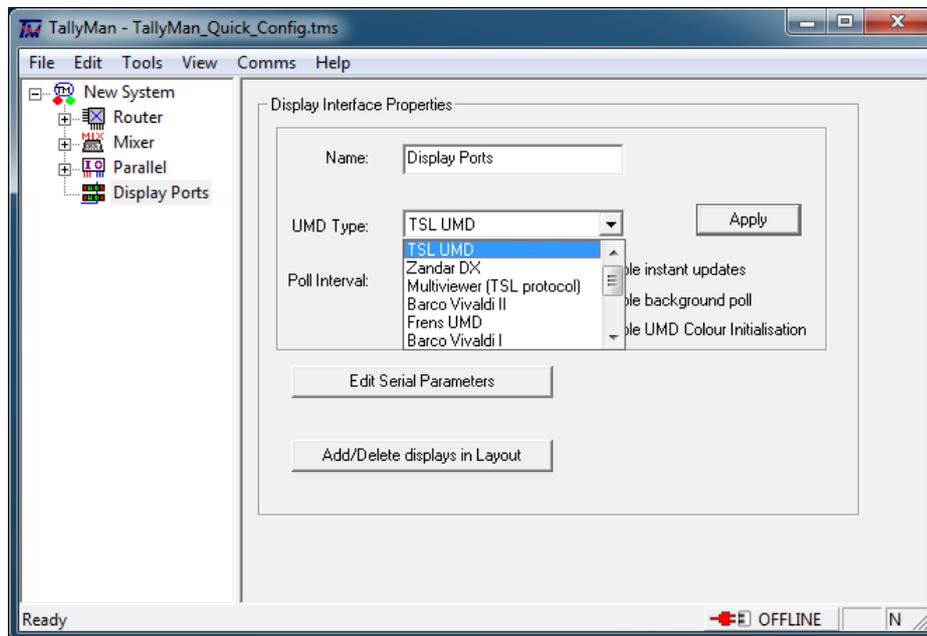
4. Click within the grid to assign the Mixer sources to Router destinations and inform TallyMan of the TieLine.



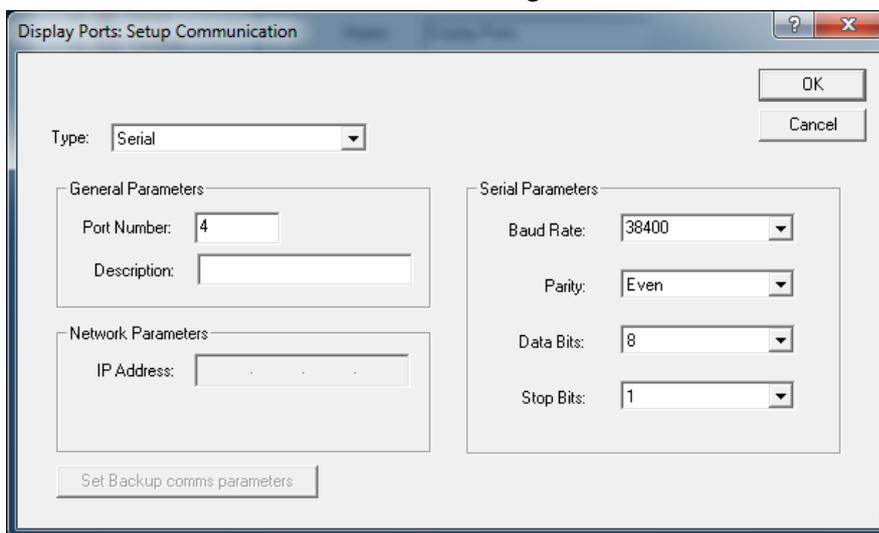
5. Close the window and the changes will be saved automatically.

## Adding the UMD

1. Add a UMD Display Device in the manner described in the Adding a New Component section.
2. Select the required Protocol from the UMD type dropdown list and click **Apply**.

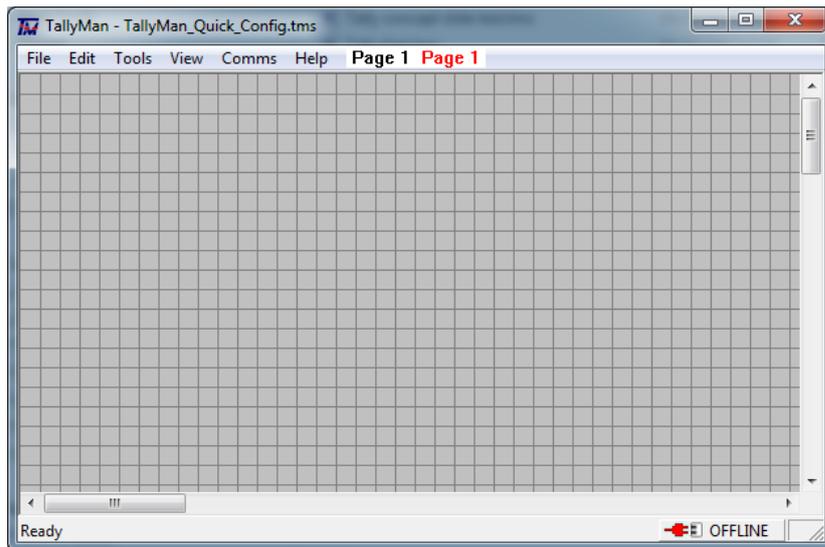


3. Click **Edit Serial Parameters** and set the comms settings and click **OK**.

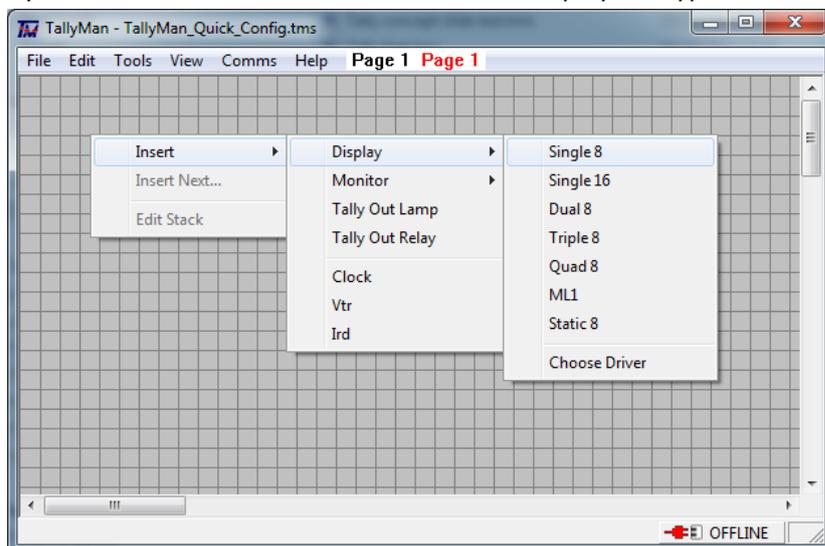


Serial Port 4 addresses all of the RJ45 ports on the rear of the TallyMan.

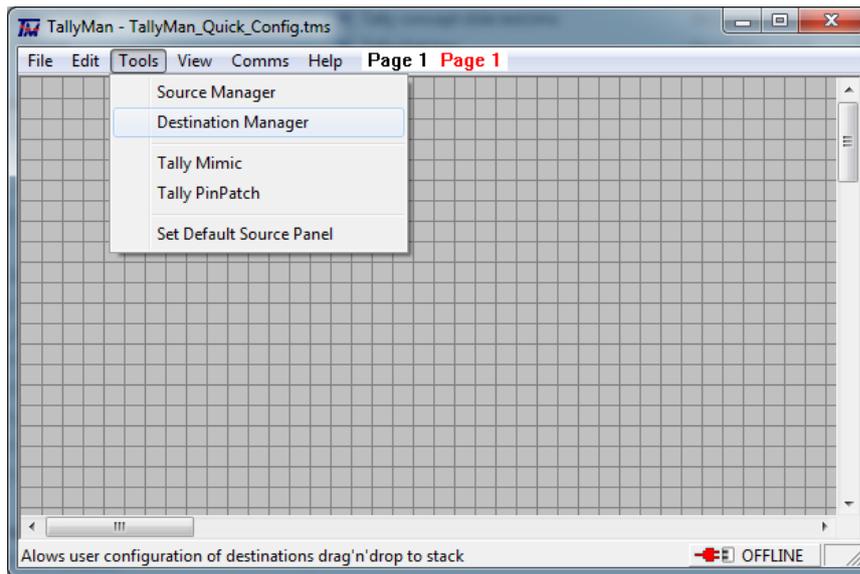
4. Click **Add/Delete displays in Layout** and the User screen will open.



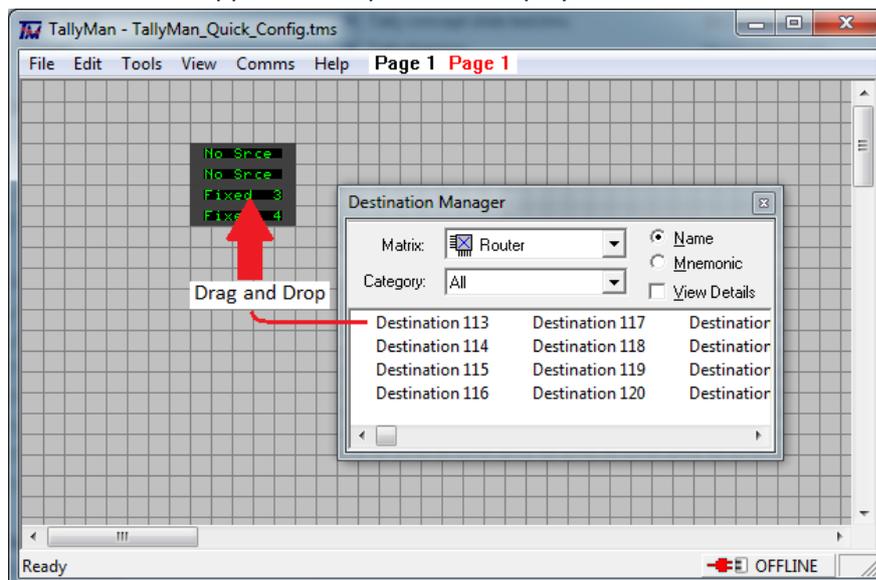
5. Right Click anywhere on the screen and select Insert -> Display -> "Type of UMD".



6. To add successive UMDs of the same type hold CTRL and right click, to add different UMD types repeat step 4.
7. To assign these displays to router sources/destinations, Navigate to "TOOLS -> Source Manager/Destination Manager".



8. The Source/Destination Manager window will appear and Sources/Destinations may be dragged from here and dropped on the preferred display.



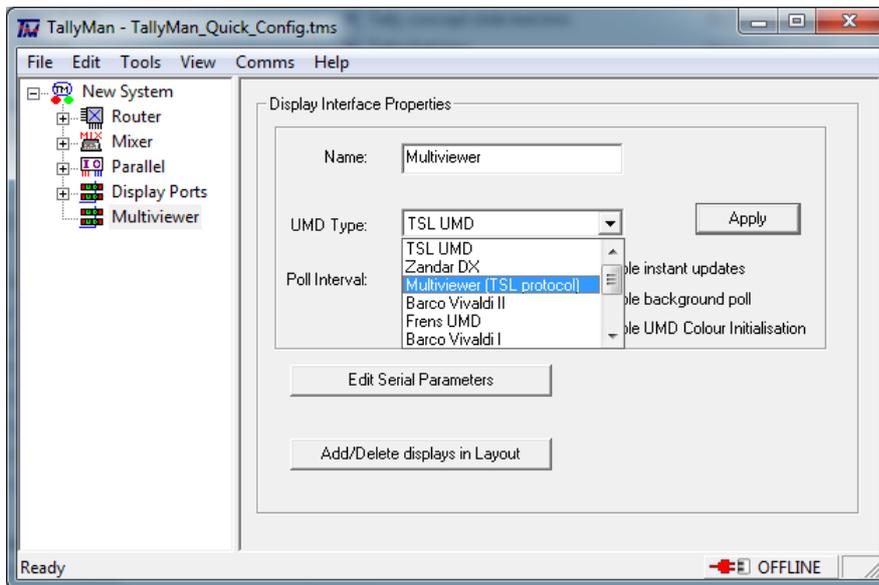
9. To return to the setup screen navigate to "VIEW -> Setup"

Note: TSL UMD protocol is TSL UMD V3.1 and V4.0, by default the displays are set to TSL UMD V3.1.

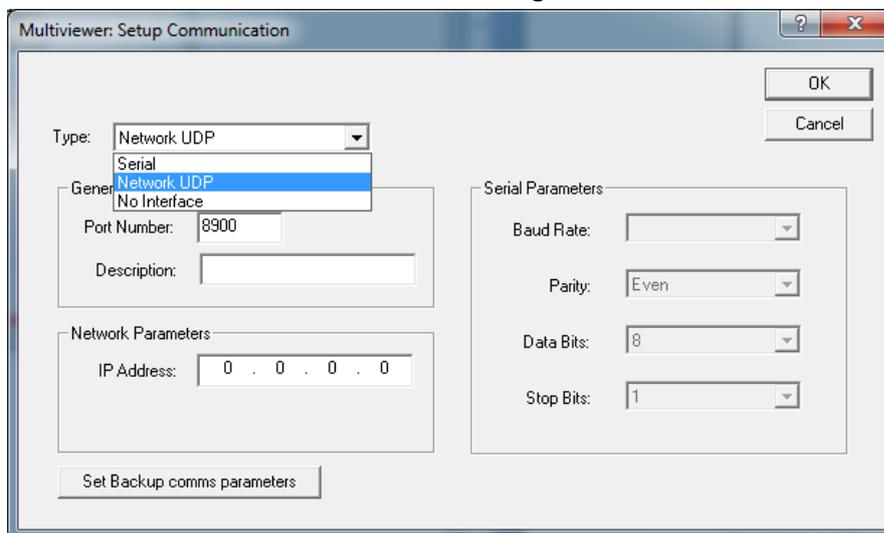
To change displays to TSL UMD V4 please refer to the TSL UMD V3.1/4.0 section.

## Adding the Multiviewer

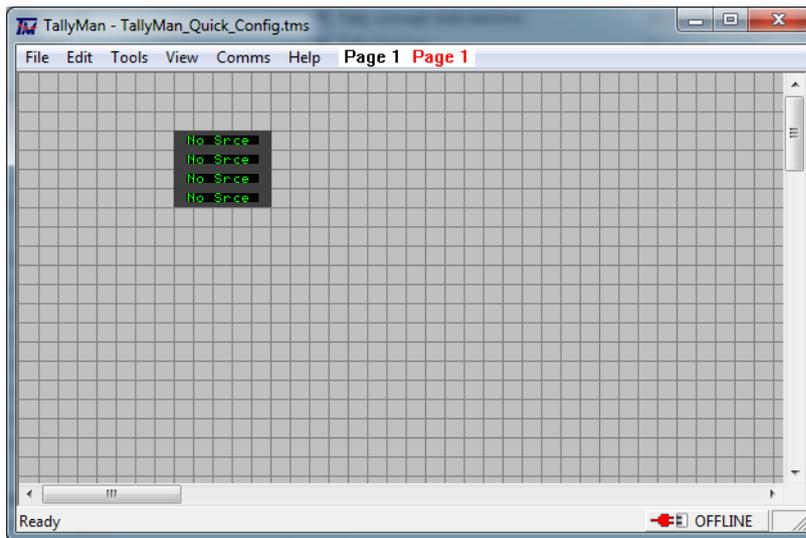
1. Add a UMD Display Device in the manner described in the Adding a New Component section.
2. Select the required Protocol from the UMD type dropdown list and click **Apply**. If using a multiviewer with TSL UMD protocol V3.1 or V4.0 select “Multiviewer (TSL protocol)” this is the same as TSL UMD protocol but allows a multiviewer object to be added in the user screen.



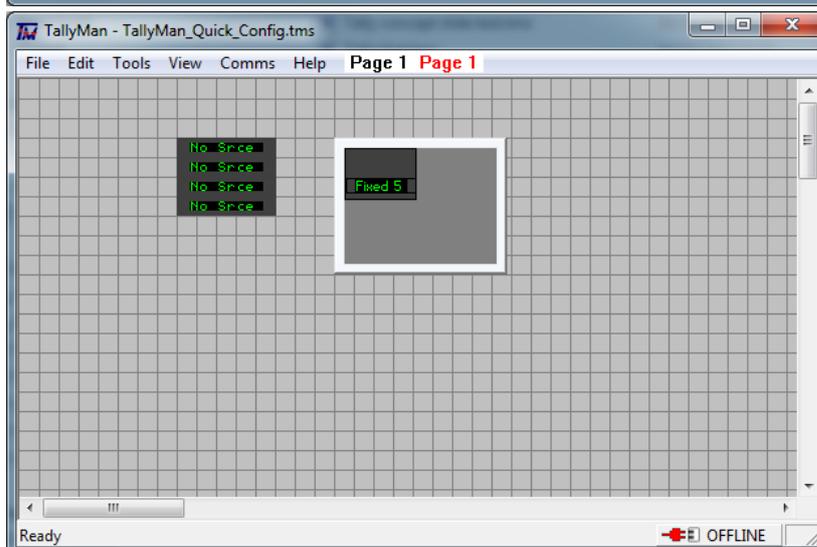
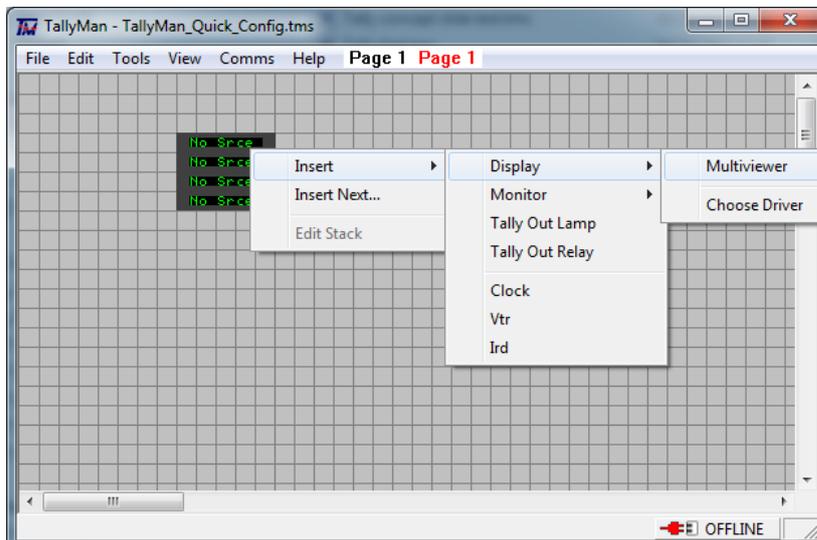
3. Click **Edit Serial Parameters** and set the comms settings and click **OK**.



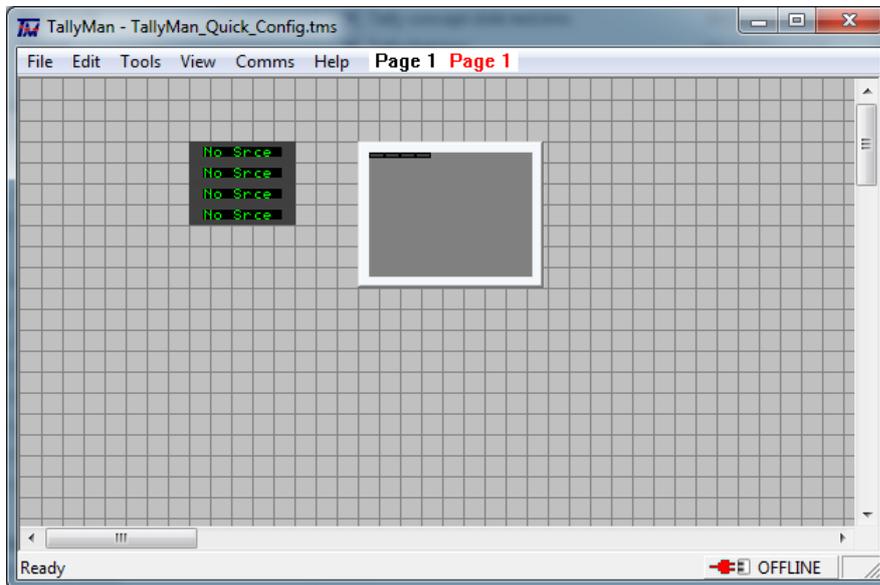
4. Click **Add/Delete displays in Layout** and the User screen will open.



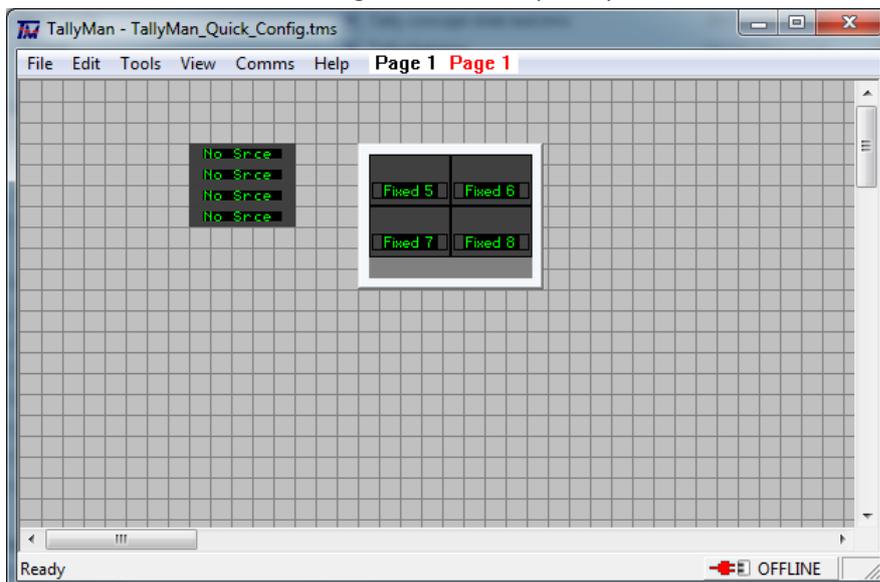
5. Right Click anywhere on the screen and select Insert -> Display -> Multiviewer.



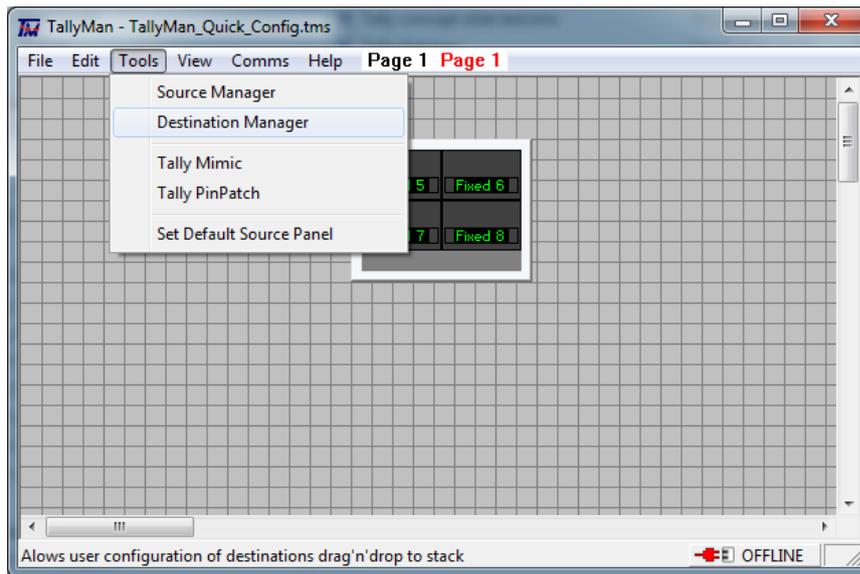
- To add additional PiPs to the display right click within the solid grey area and select add pips then enter the number of PiPs required -1 as 1 has be inserted already. You will see this screen.



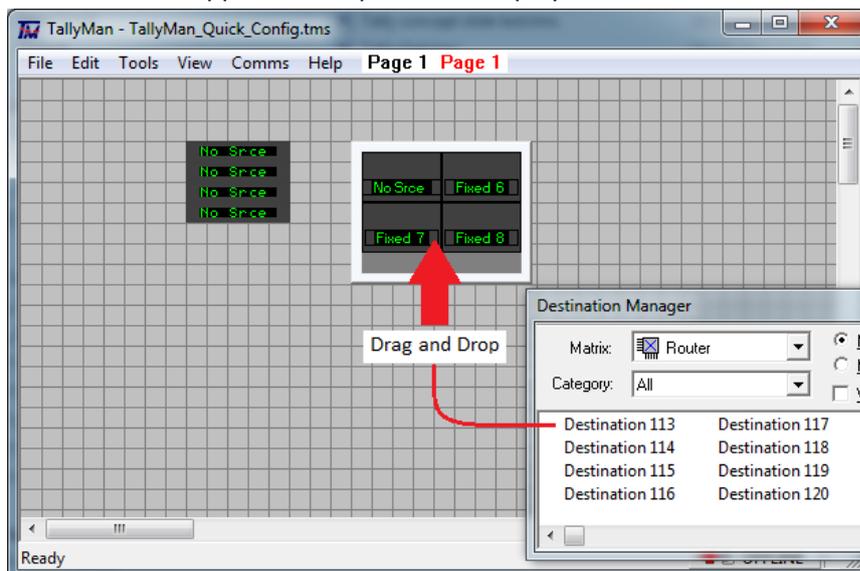
- To arrange the pips, right click and select Arrange PiPs and select the desired layout, in this example I have added 3 PiPs and arranged them as a quad split.



- To assign these displays to router sources/destinations, Navigate to "TOOLS -> Source Manager/Destination Manager".



- The Source/Destination Manager window will appear and Sources/Destinations may be dragged from here and dropped on the preferred display.



- To return to the Setup screen, navigate to "View -> Setup".

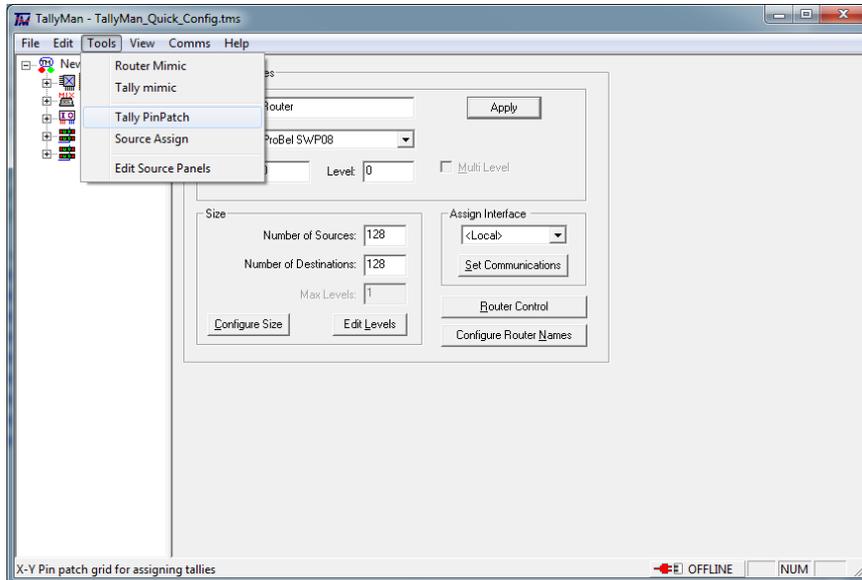
Note: Multiviewer (TSL protocol) is TSL UMD V3.1 and V4.0, by default the displays are set to TSL UMD V3.1.

To change displays to TSL UMD V4 please refer to the TSL UMD V3.1/4.0 section.

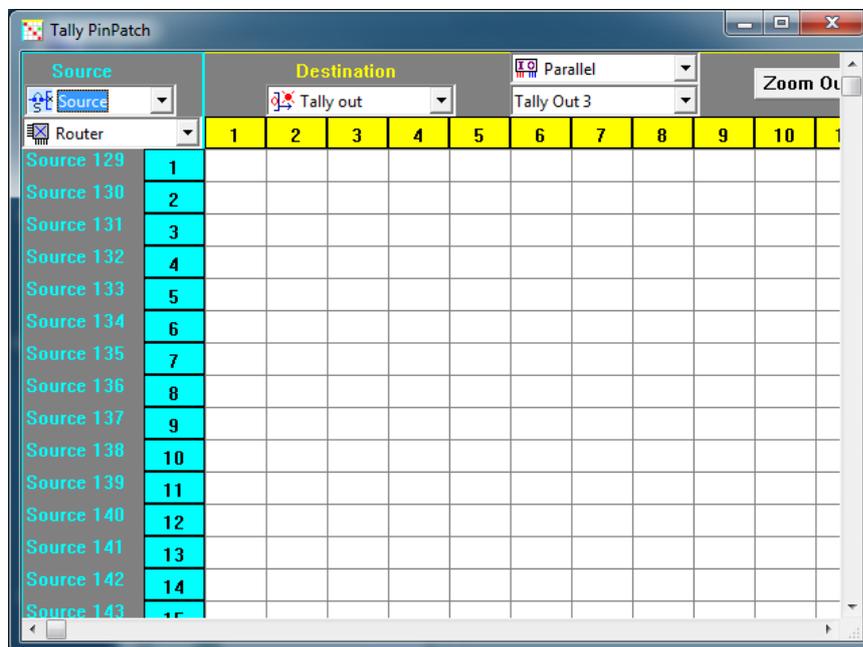
## Camera Tallies

Now that the Mixer and Router have been added and the source assignments have been made the camera sources can be mapped to the Parallel Tally outputs, to do this:

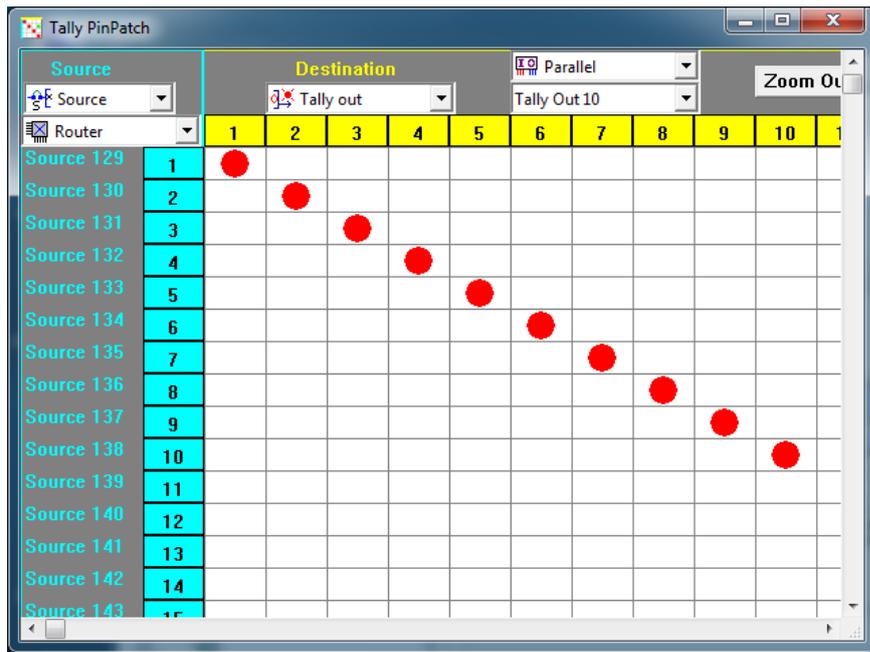
1. Navigate to “TOOLS -> PinPatch”.



2. The following window will appear. Select the router sources as the Tally source and the Parallel Tally outs as the Tally Destination.



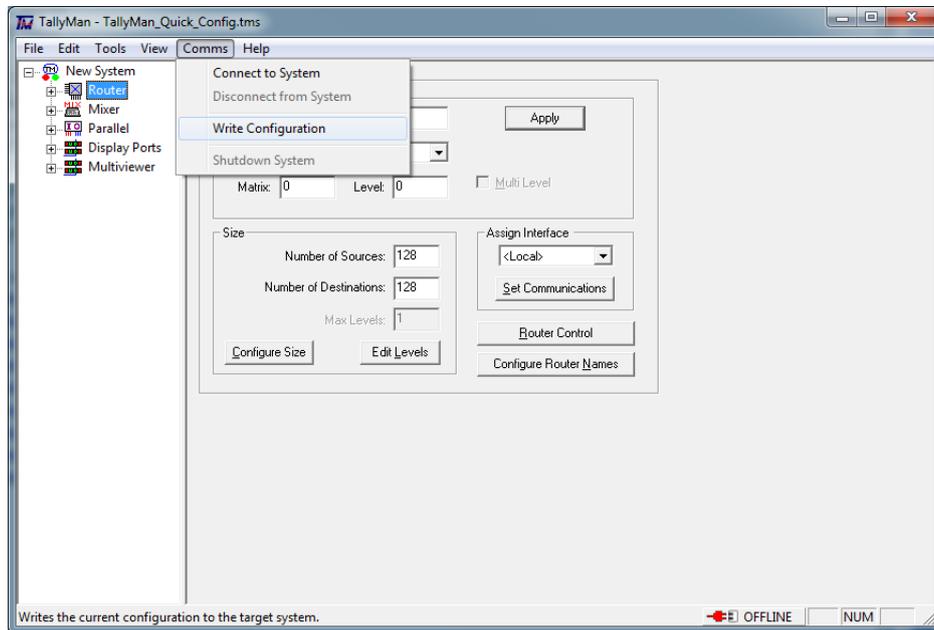
3. Assign the relevant sources to the Tally outs by clicking within the grid.



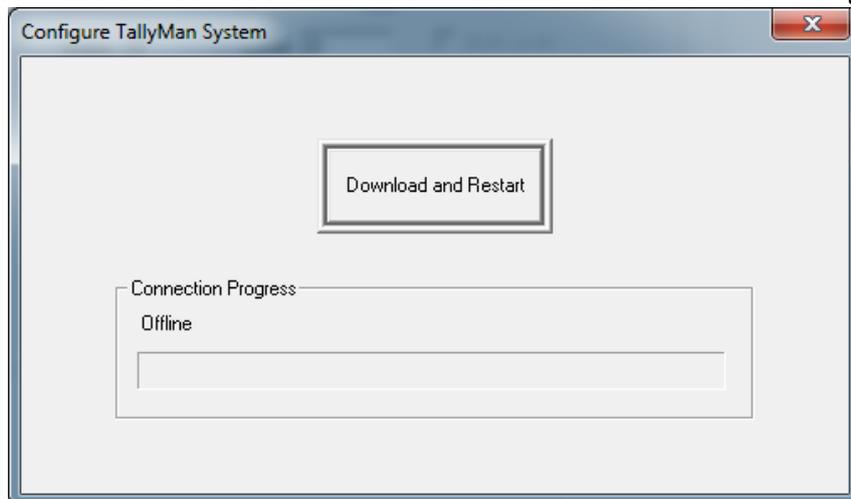
4. Close the window and changes will be saved automatically.

## Writing the configuration to the controller

To write the configuration to the TallyMan controller, Navigate to “COMMS -> Write configuration” and follow the on screen prompts.



You will be asked if you wish to write the current file to the active system, click Yes. You will then be presented with the screen below. Click “Download and Restart” to finish writing the file.



## Safety

### Installation

Unless otherwise stated TSL equipment may be installed at any angle or position within an operating temperature range of 5 ~ 25 degrees C.

The RJ45 connectors are for use only with TSL UMD equipment.

All TSL equipment conforms to the EC Low Voltage Directive:

EC Low Voltage Directive (73/23/EEC) (OJ L76 26.3.73) (LVD).

Amendment: (93/68/EEC) (OJ L220 30.8.93).

### Earthing/Grounding

In all cases, the frame of the equipment should be earthed on installation. Connection to an earthed strip running the length of the frame is ideal.

The earth pin on the IEC mains inlet connector is connected to the metal frame of the equipment, to 0 volts on the internal DC PSU and to signal ground, unless otherwise stated. All metal panels are bonded together. Rack mounted equipment must be earthed (grounded).

### Mounting

Careful consideration of the equipment location and mounting in racks must be made. In particular, consideration must be given to the stability of free-standing racks by mounting heavy equipment low in the rack. The rear of the unit should be supported in the rack.

### Power

For pluggable equipment, the socket outlet shall be installed near the equipment and shall be easily accessible.

Consideration must be given to the supply circuit loading and switch on/fault surges that will affect over current protection trips and switches etc.

Check that the fuse rating is correct for the local power (mains) supply. Replacement fuses must be of the same rating and type for continued protection against fire risk.

The equipment rating is shown on the rear panel.

No power supply cord is provided with this equipment.

**Do not switch on until all connections are made.**

### Ventilation

Due consideration for cooling requirements must be given when mounting the equipment.

If the equipment is installed in a closed unit, consideration must be given to providing forced air cooling in order that the maximum recommended temperature is not exceeded. Introduction 9 TallyMan V 1.7.1b on

[Back to Top ^](#)

## EC Declaration of conformity

### EC DECLARATION OF CONFORMITY

Application of Council Directives Nos:

EC Low Voltage Directive (73/23/EEC)(OJ L76 26.3.73)(LVD).

Amendment: (93/68/EEC) (OJ L220 30.8.93).

Conformity Standards Declared:

EN 60950

EMC Directive: 89/336/EEC, Amended 92/31/EEC.

Conformity Standards Declared:

EN 50081-1, EN 50082-1

Manufacturer's Name: Television Systems Ltd

Manufacturer's Address: Vanwall Road  
Maidenhead SL6 4UB  
England  
United Kingdom

Type of Equipment: UMD System Controller

Model No: UMD TM1 / TM2 / TM2 PLUS / TMC-1

Part Number: TSLP- UMD TM1 / TM2 / TM2 PLUS / TMC-1

Date CE Mark Affixed: 2006/2009

I, the undersigned, declare that the equipment specified above conforms to the quoted Directives and Standards.

Place: Maidenhead, England

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Print: J F PINNIGER

Position: PRODUCT MANAGER

[Back to Top ^](#)

## Warranty, Maintenance and Repair

All TSL equipment is guaranteed for one year from the date of delivery to the customer's premises. If the equipment is to be stored for a significant period, please contact TSL concerning a possible extended warranty period.

### Failure during warranty

If any TSL product should fail or become faulty within the warranty period, first please check the PSU fuses.

All maintenance work must be carried out by trained and competent personnel.

### Technical support information

E-Mail address: support@tsl.co.uk

Telephone Support Number: +44 (0) 1628 676221

If equipment has to be returned to TSL for repair or re-alignment, please observe the following:

### TSL Returns Procedure

Please email Support@tsl.co.uk or telephone +44 (0)1628 676221 and ask for Technical Support who assist in diagnosing the fault and will provide a Returns Number (RMA). This will enable us to track the unit effectively and will provide some information prior to the unit arriving.

For each item, this unique Returns Number must be included with the Fault Report sent with the unit.

A contact name and telephone number are also required with the Fault Report sent with the unit.

### Fault report details required

- Company:
- Name:
- Address:
- Contact Name:
- Telephone No:
- Returns Number:
- Symptoms of the fault (to include switch setting positions, input signals etc):

### Packing

Please ensure that the unit is well packed as all mechanical damage is chargeable. TSL recommends that you insure your equipment for transit damage.

The original packaging, when available, should always be used when returning equipment.

**If returned equipment is received in a damaged condition, the damage should be reported both to TSL and the carrier immediately.**

[Back to Top ^](#)