

Connecting a SAM Kula Switcher to TallyMan

Contact TSL Products Support:

E. Support@tslproducts.com

T. +44 (0) 01628 564 610

W. www.tslproducts.com

Version History

Issue	Date	Change Details
1	06/11/17	First Issue
2	25/01/18	Added Enable Bus Tally to checks in protocol setup
3	26/01/18	Added Label control

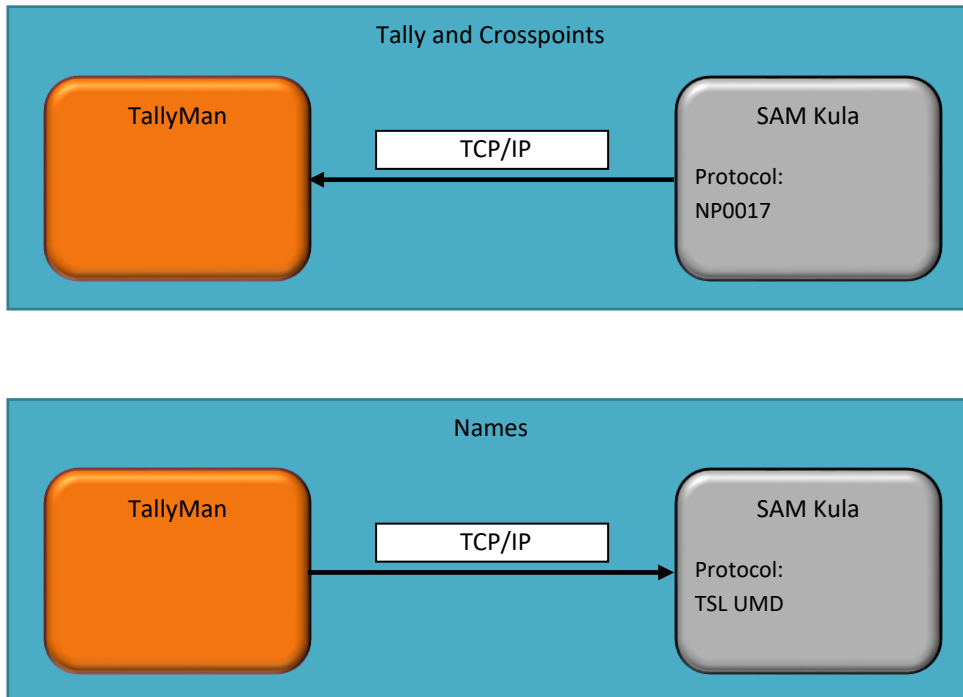
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Overview

Functions

- Tally: From Mixer to TallyMan
 - 4 Tally Levels
- Crosspoints: from Mixer to TallyMan
- Names: from TallyMan to Mixer sources
 - Via Separate TSL UMD Protocol interface



Notes

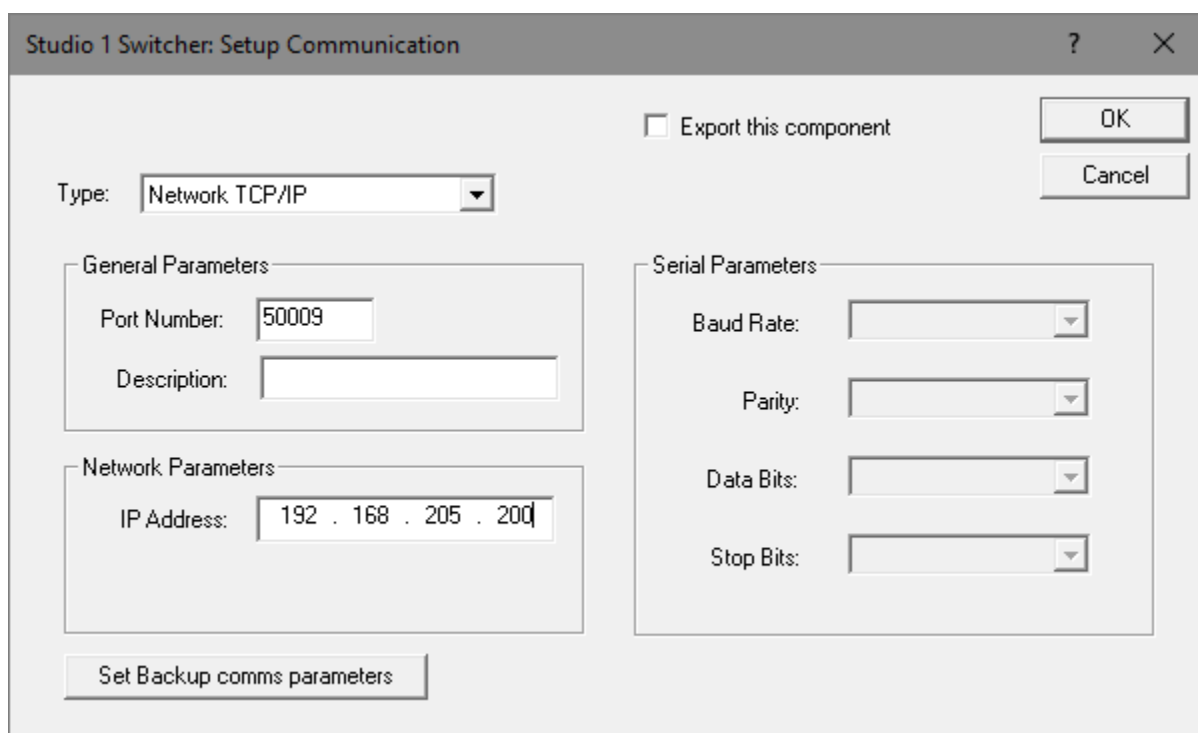
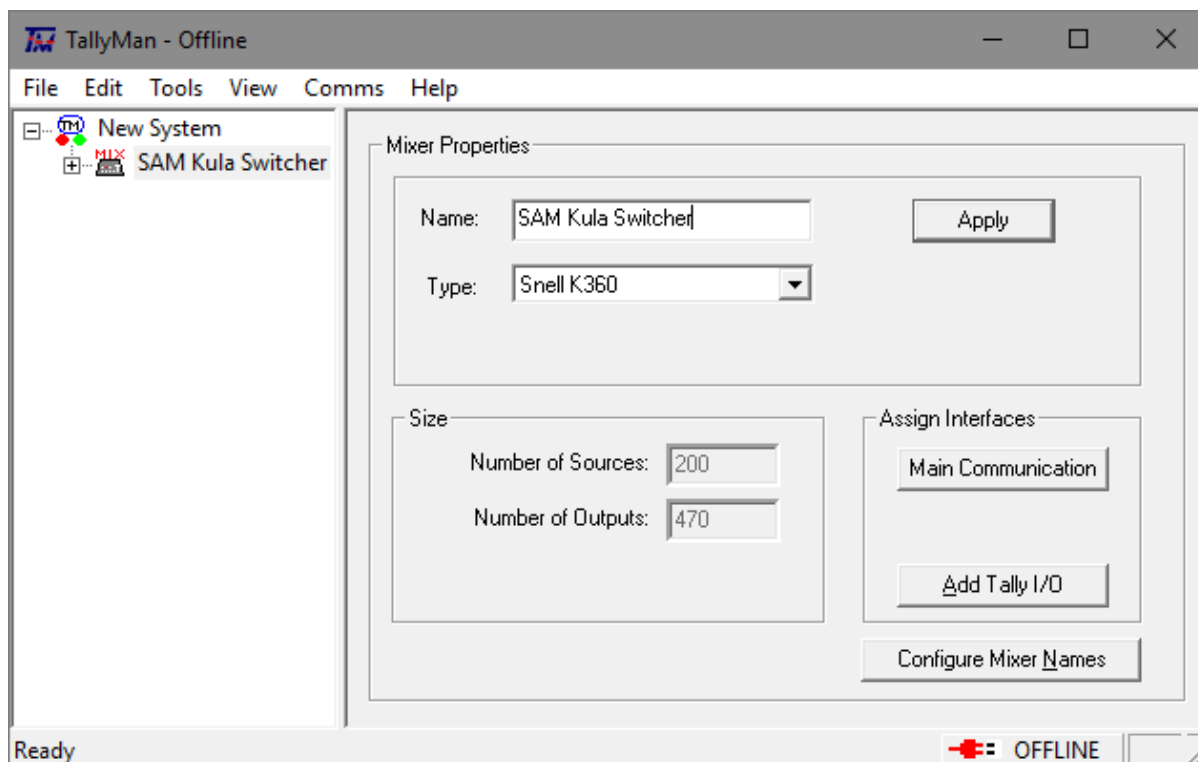
1. Label Control

TallyMan can push names to the Kula mixer using the TSL UMD protocol, add a UMD driver to the TallyMan configuration and treat the Switcher exactly as if it were a multiviewer or bank of UMD where each button label is represented by a UMD Address. To make Switcher labels follow the router contributions assign the router destination to the UMD.

Tally and Crosspoints

Comms

1. Screenshots



2. Detail

Protocol

- Official protocol name: K360 Tally Protocol V4
- Protocol name in Device: Kahuna tally
- Protocol name in TallyMan: Snell K360

Connection

- Comms: TCP/IP
- Default Port: 50009
- Component Type in TallyMan: Mixer
- Third party interface required: None

Instructions

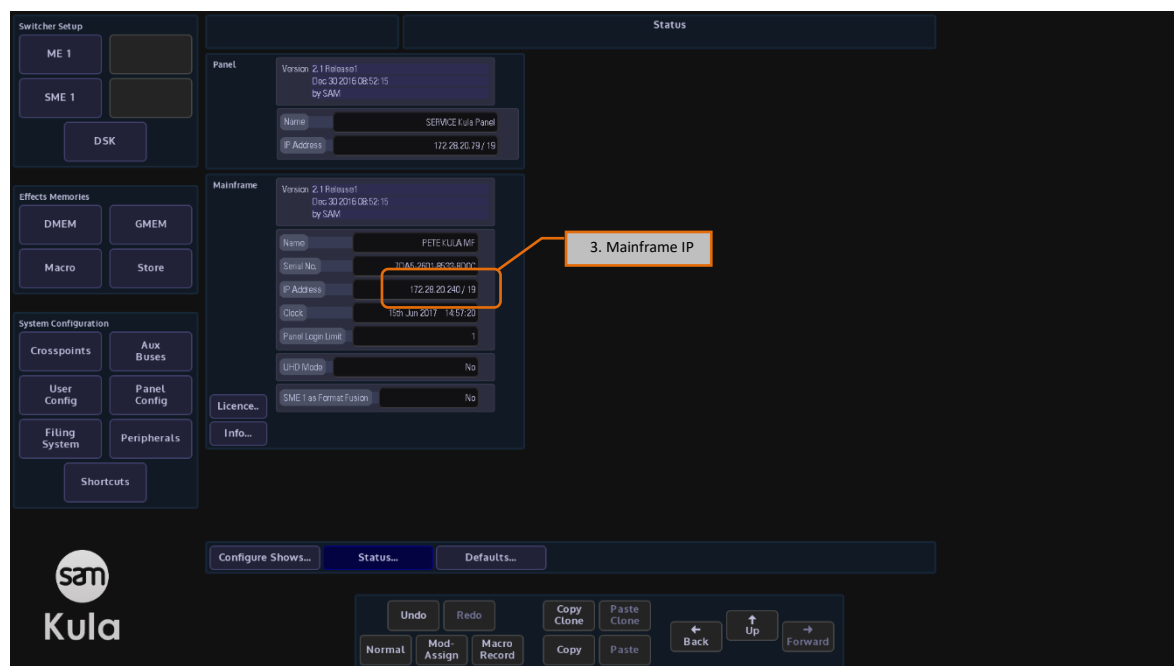
To begin connecting Tallyman to a Snell Kula, both devices must be powered on and connected to the network. TallyMan connects to the Kula Mainframe.

1. Find IP address of Kula mainframe

To find the IP of the Kula mainframe, press the up arrow repeatedly until you reach the top screen of the menu.



Press the 'Status' button near the bottom of the screen and the page below will appear.

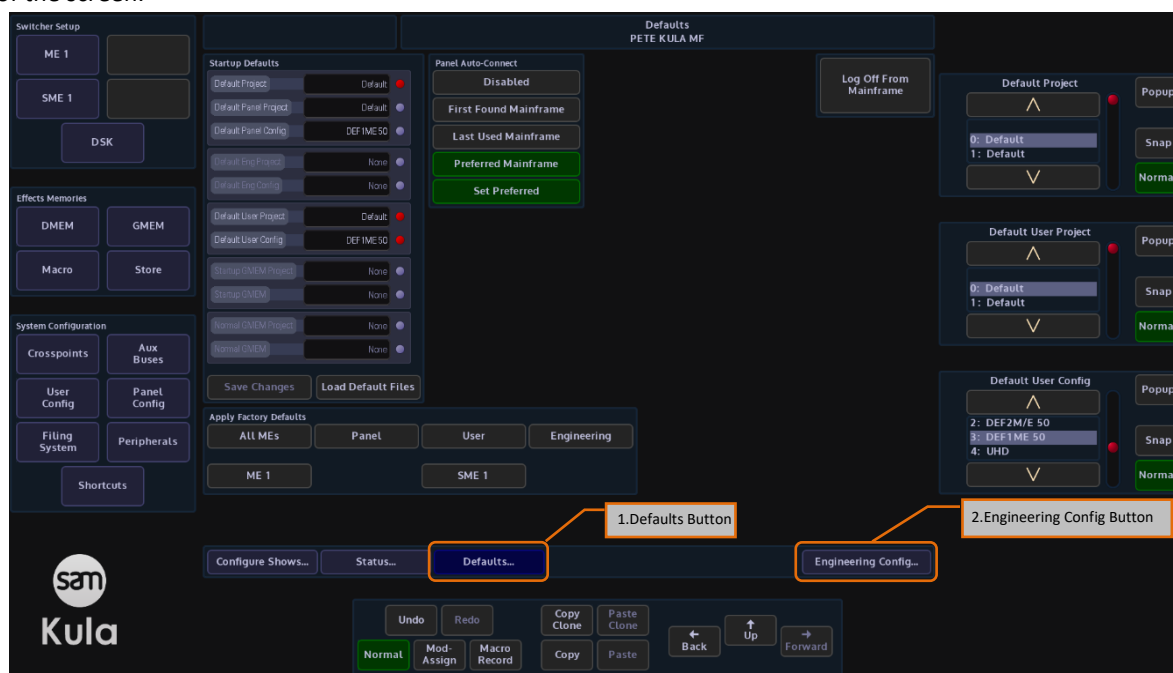


The mainframe IP address is located in the box labelled 'Mainframe'. This is the IP address TallyMan will use to communicate with the device.

2. Protocol Configuration

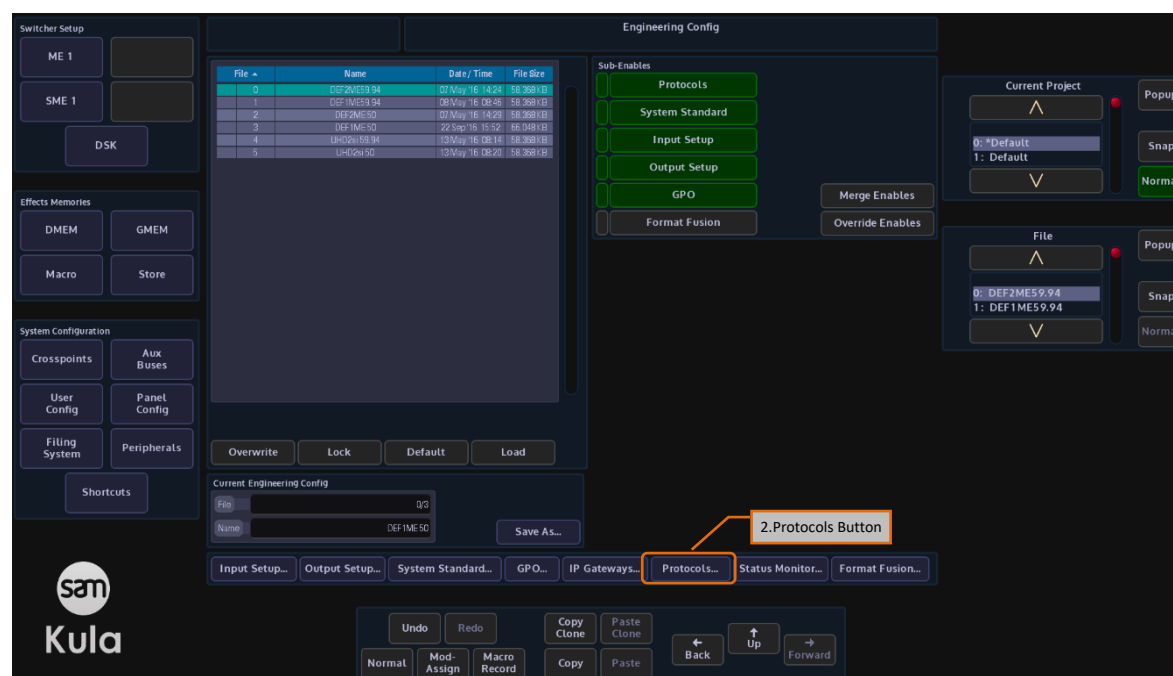
Setting the protocol on the Kula.

From the 'Status' page (found in step 1), select 'Defaults' next to the 'Status' button on the bar at the bottom of the screen.



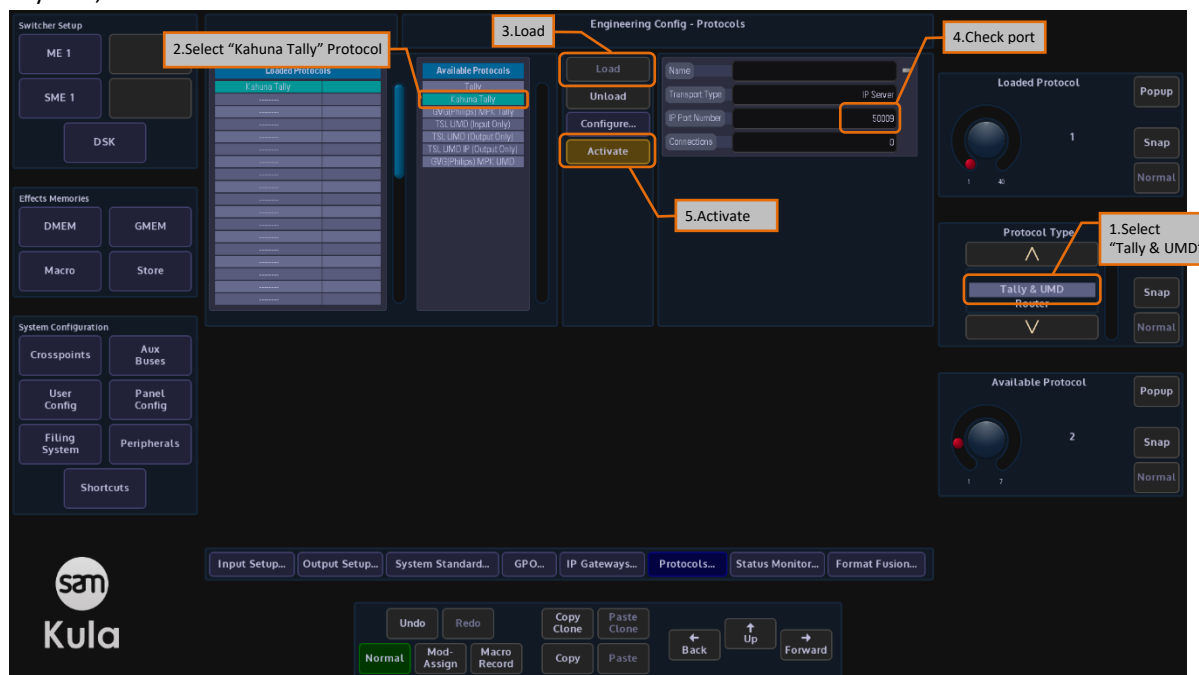
This opens the Defaults page and the 'Engineering Config' button appears on the bar.

Select 'Engineering Config' to proceed to the engineering configuration page.



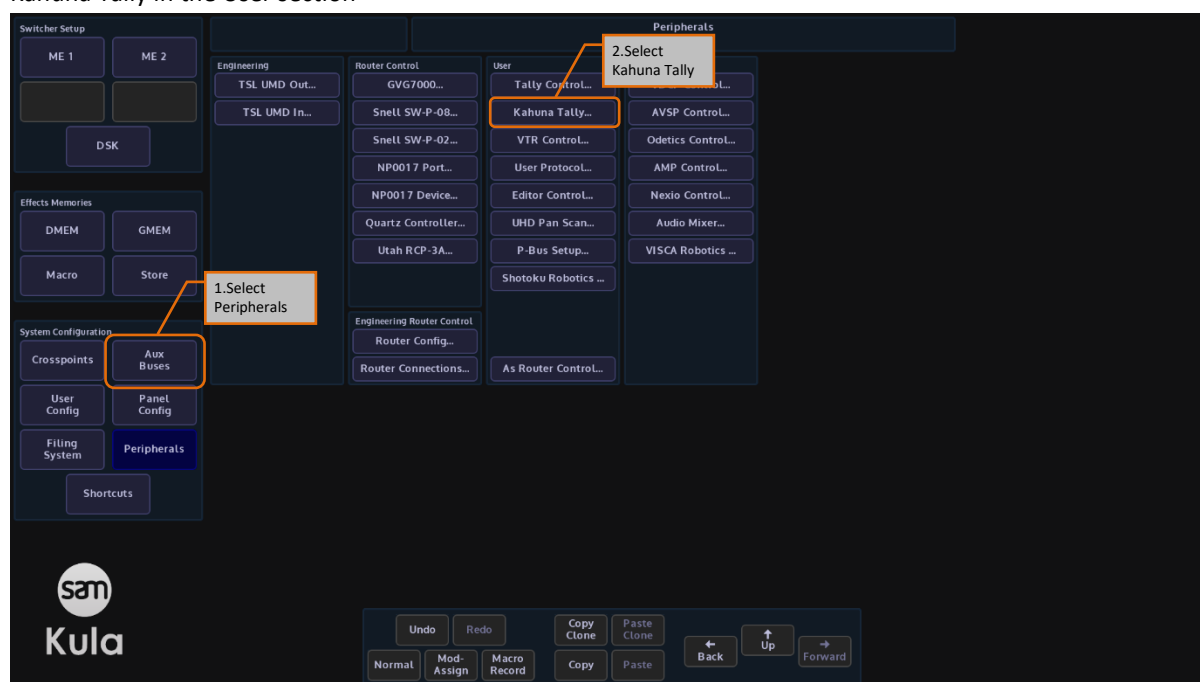
The engineering configuration page will appear as shown above, press the 'Protocols' button that now appears on the bar at the bottom to navigate to the Protocols page.

Once on the Protocols page, select Kahuna Tally from the 'Available Protocols' box and press 'Load'. This will then appear in the 'Loaded Protocol' box. 'Kahuna Tally' is known to the Tallyman as **'Snell K360'** so make sure **'Snell K360'** is selected when setting up the protocol on the Tallyman program. Here you will also see the port number, ensure this matches the port number set in the TallyMan, this is configurable in both the Kula and TallyMan, default is 50009.

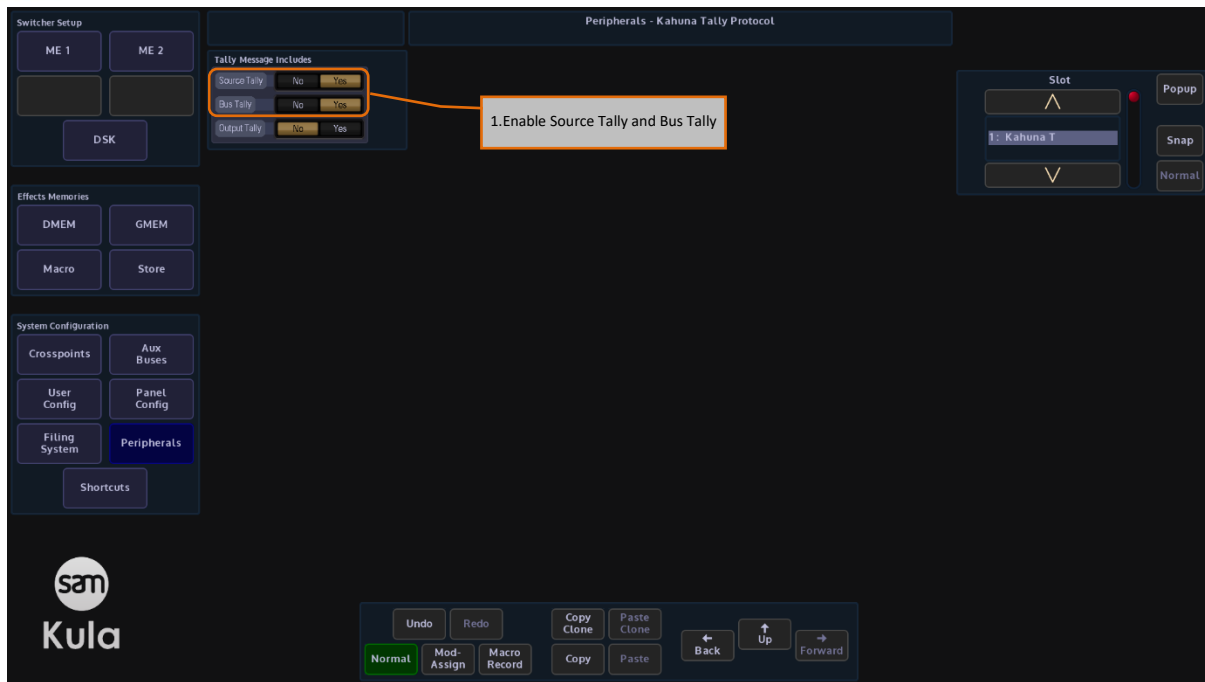


Once the protocol has been loaded press 'Activate' to confirm selection. In the picture above the 'Activate' button is highlighted yellow.

To confirm that both Tally and Crosspoint Data is being transmitted, go to the Peripherals page and select Kahuna Tally in the User section



In the Kahuna Tally Protocol ensure that both "Source Tally" and "Bus Tally" are enabled.



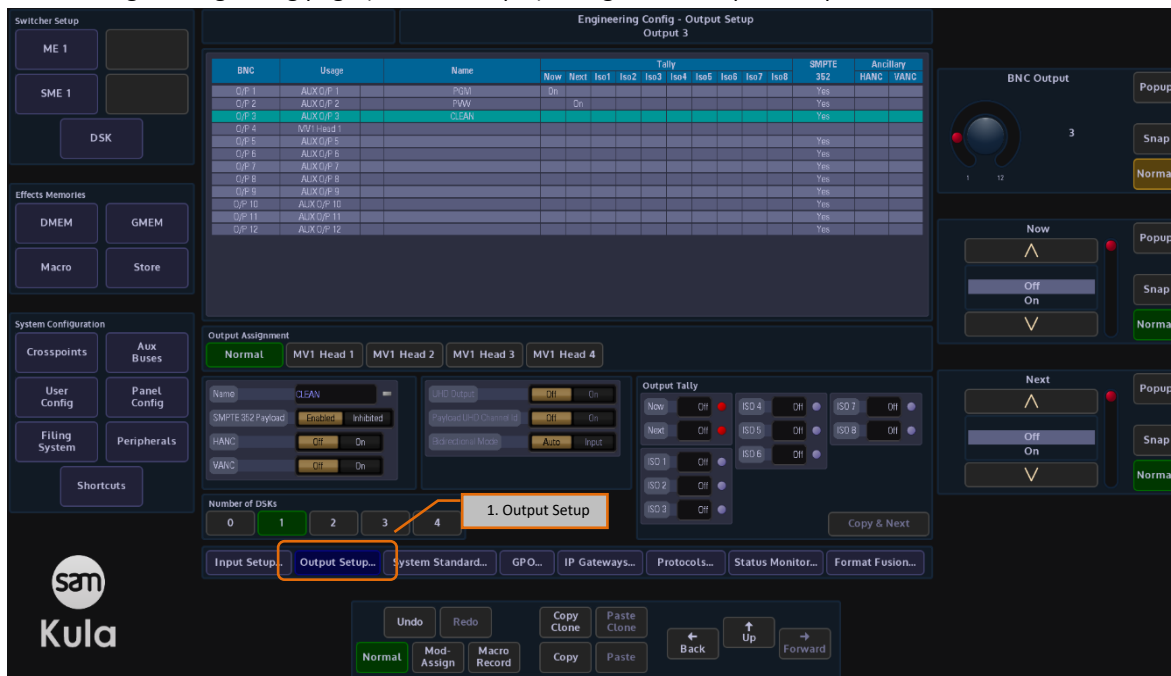
Source Tally – sends tally information to TallyMan

Bus Tally – Sends crosspoint information to TallyMan

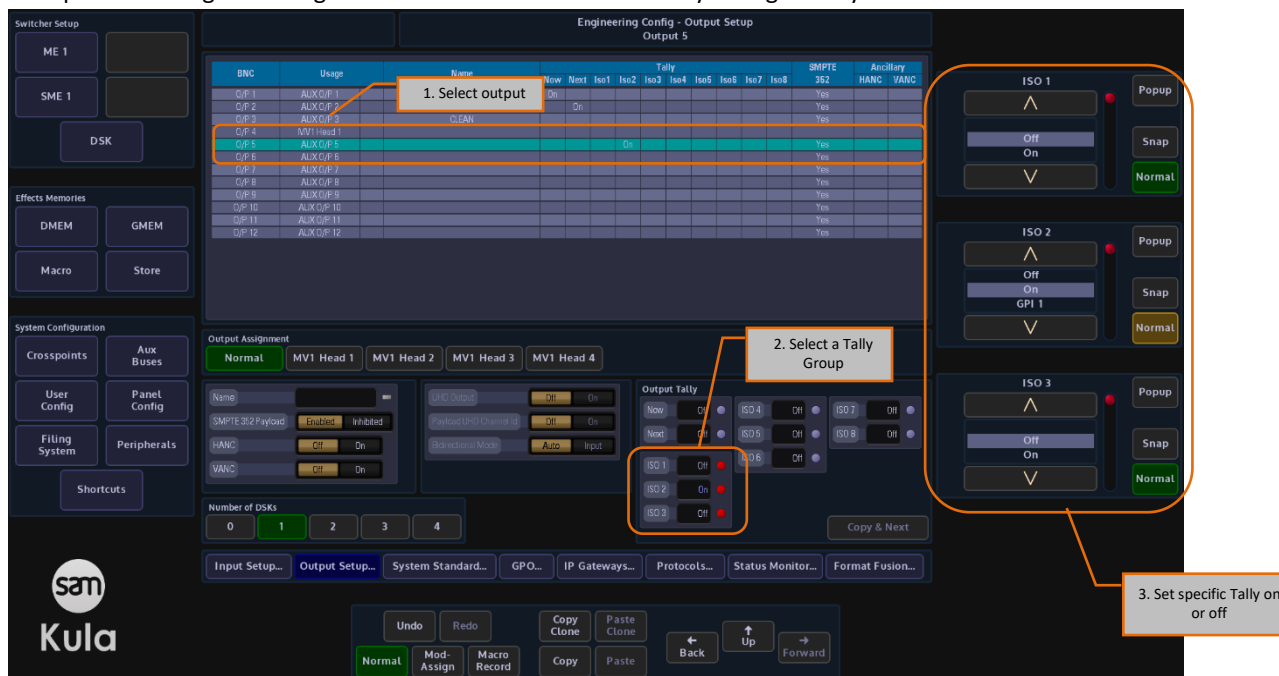
3. Adding/Editing Tally (Optional)

TallyMan Supports 4 levels of Tally with this protocol; Program, Preview, ISO1 and ISO2. (Called Program, Green, Yellow and Blue respectively in TallyMan).

From the Engineering config page (found in Step 2), navigate to 'Output Setup' via the bottom bar.



In the previous image the Program and Preview tallies are already configured by default.

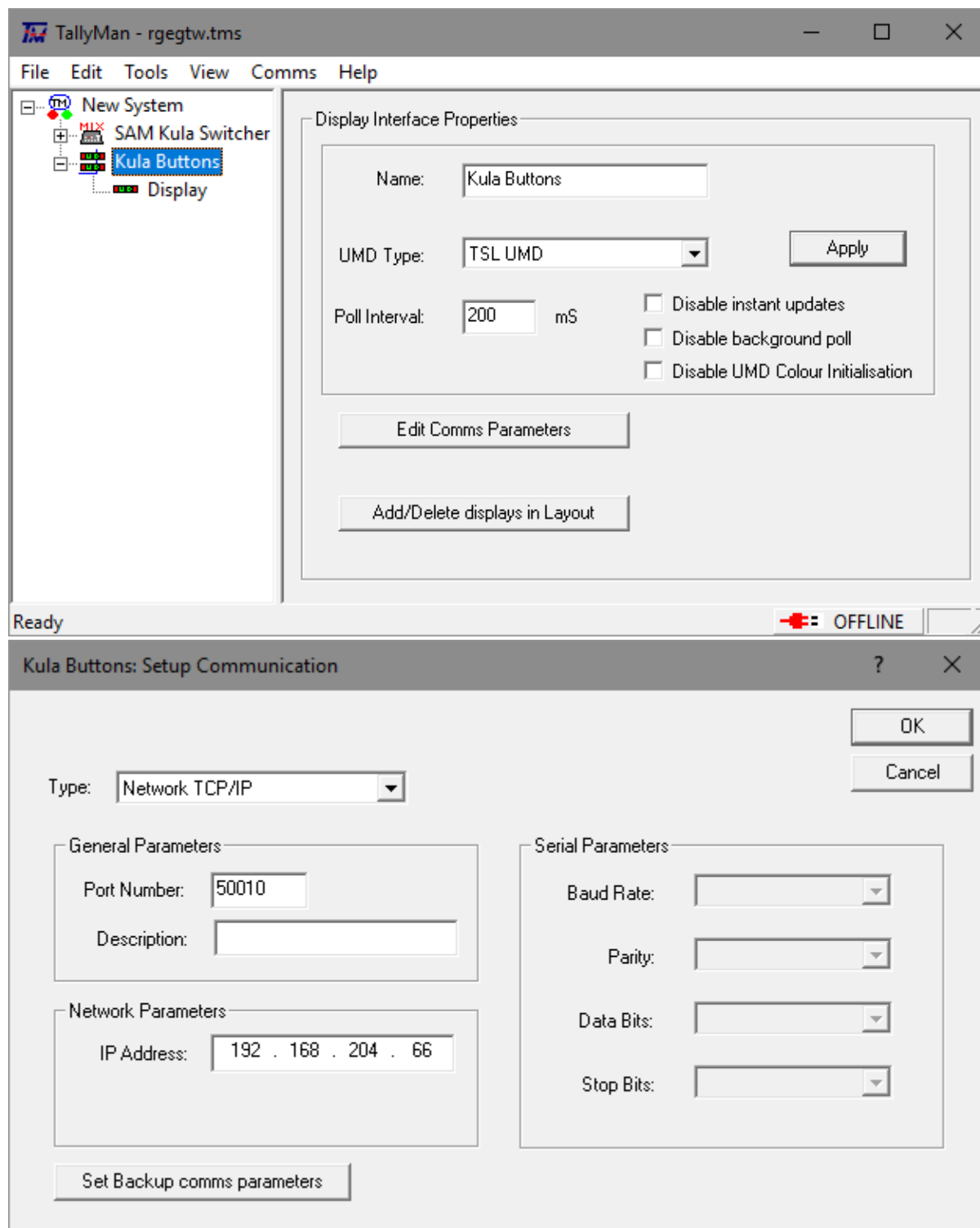


To setup a new ISO tally, first select an AUX output from the table, (in this case AUX O/P 5 has been selected). Once you've chosen the AUX bus you want, select which ISO Tally you would like to associate it with by selecting the relevant group in the 'Output tally' box. This action will cause each ISO in the group to appear on the right-hand side of the screen. Use the Up/Down buttons to change status of each of the ISO Tallies in the group. Changing the status of the ISO Tally to 'On' will begin transmitting that ISO Tally to the TallyMan.

Label control

Comms

1. Screenshots



2. Detail

Protocol

- Official protocol name: TSL UMD V3.1
- Protocol name in Device: TSL UMD (Input Only)
- Protocol name in TallyMan: TSL UMD

Connection

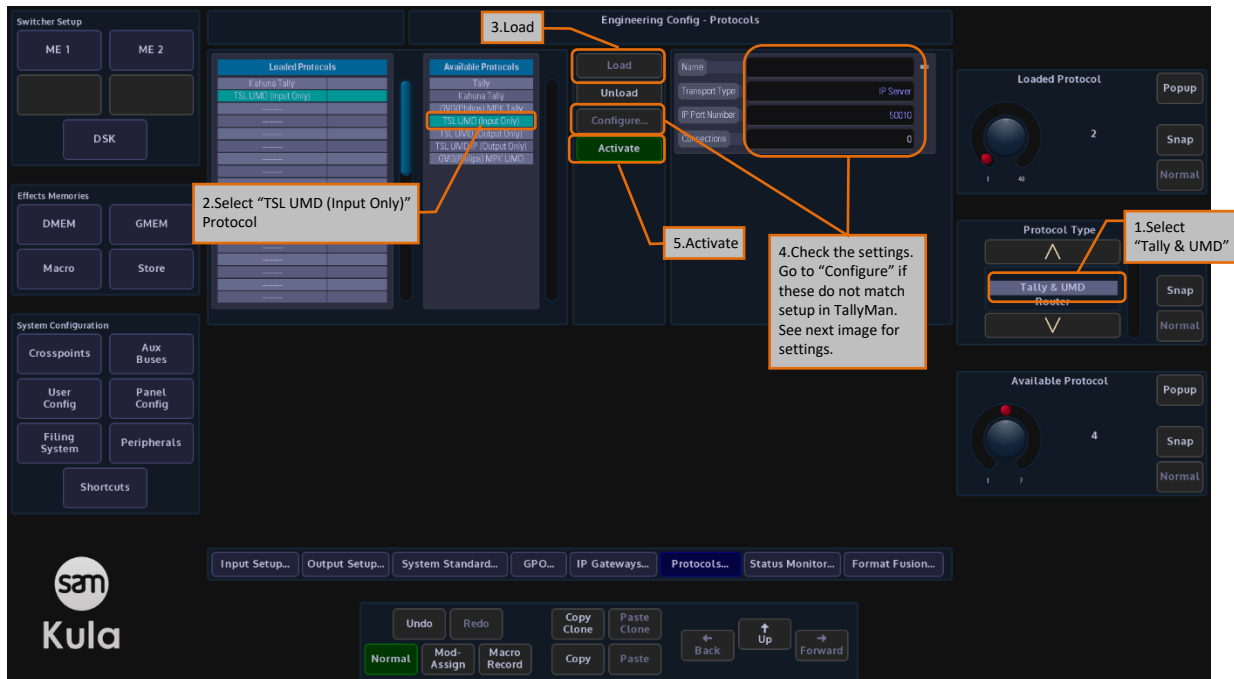
- Comms: TCP/IP
- Default Port: 50010
- Component Type in TallyMan: UMD Display Interface
- Third party interface required: None

Instructions

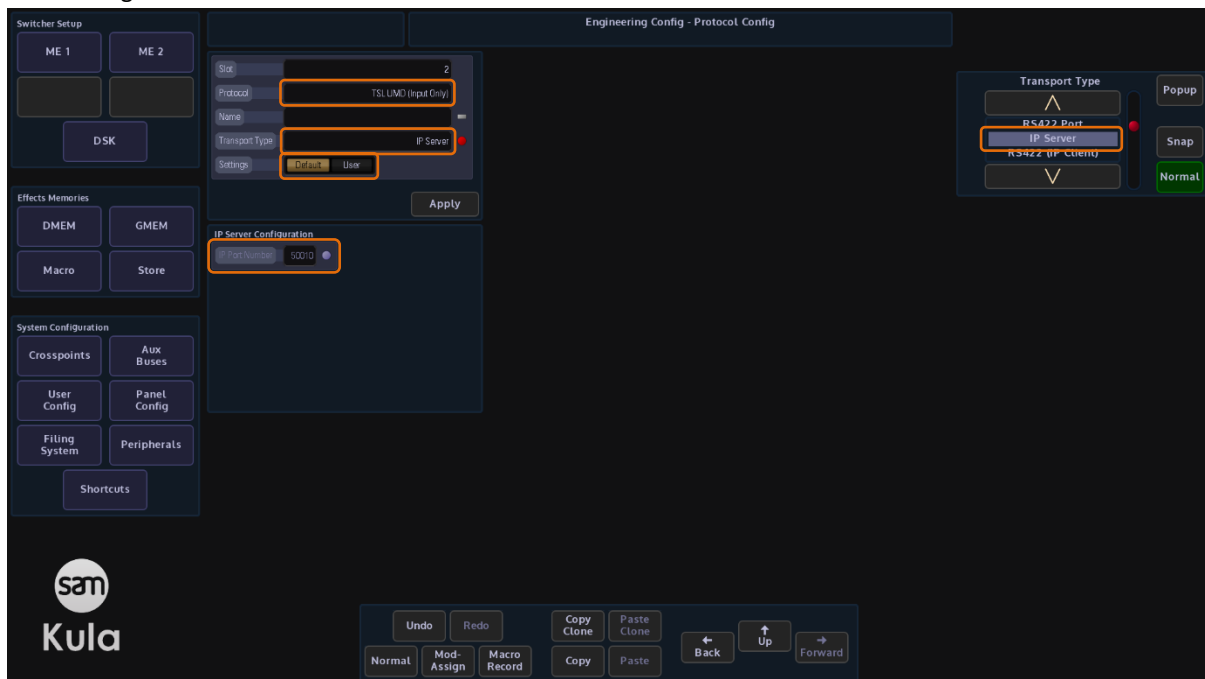
1. Enabling the protocol

Navigate to the Protocols page as shown in Step 2 of the Tally and Crosspoints section.

Load the TSL UMD (Input Only) protocol and confirm the settings before activating.

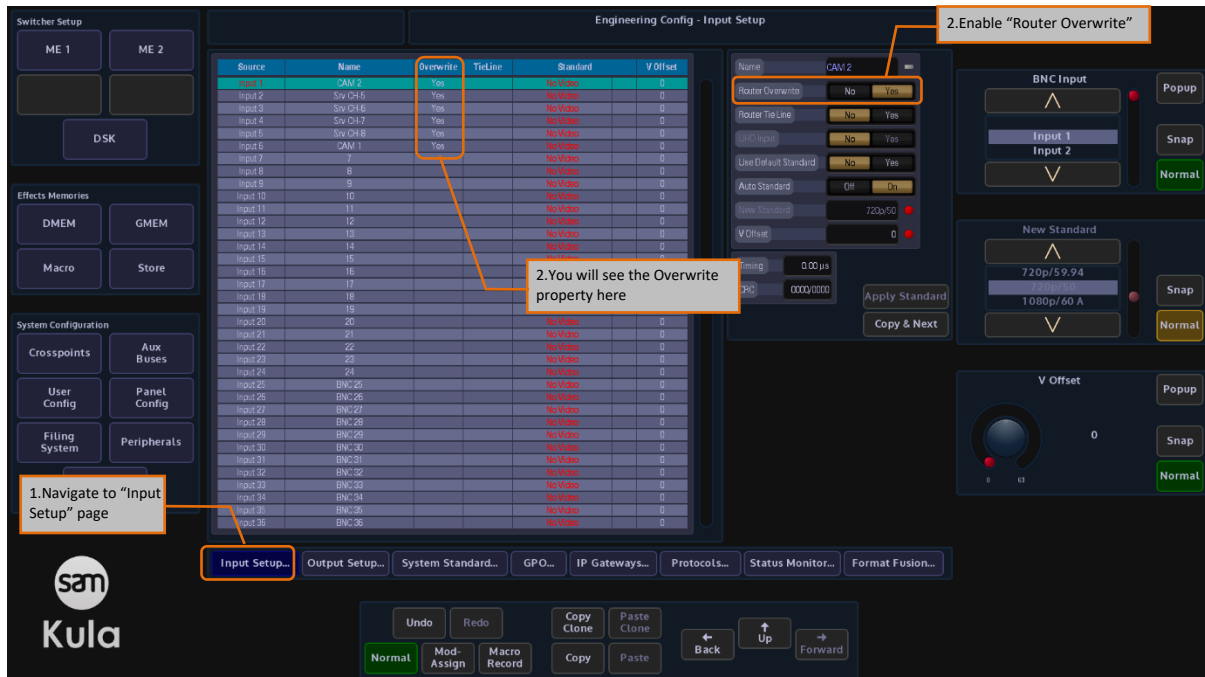


The "Configure" window



2. Enabling name overwrite on sources

Navigate to the Input Setup Page and enable “Router Overwrite” on the sources that you wish to allow Tallyman to control the names of.



1. Navigate to “Input Setup” page

2. Enable “Router Overwrite”

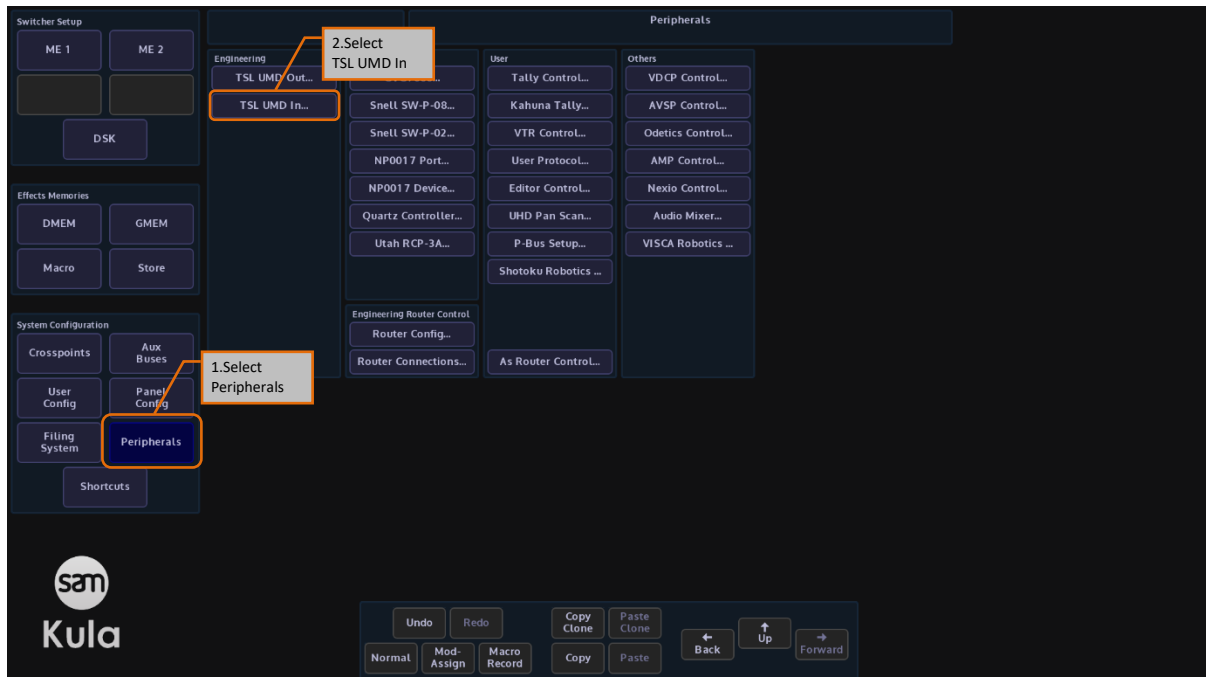
2. You will see the Overwrite property here

Source	Name	Overwrite	TieLine	Standard	V Offset
Input 1	CAM 2	Yes	No Video	0	0
Input 2	Srv CH 5	Yes	No Video	0	0
Input 3	Srv CH 6	Yes	No Video	0	0
Input 4	Srv CH 7	Yes	No Video	0	0
Input 5	Srv CH 8	Yes	No Video	0	0
Input 6	CAM 1	Yes	No Video	0	0
Input 7	7		No Video	0	0
Input 8	8		No Video	0	0
Input 9	9		No Video	0	0
Input 10	10		No Video	0	0
Input 11	11		No Video	0	0
Input 12	12		No Video	0	0
Input 13	13		No Video	0	0
Input 14	14		No Video	0	0
Input 15	15		No Video	0	0
Input 16	16		No Video	0	0
Input 17	17		No Video	0	0
Input 18	18		No Video	0	0
Input 19	19		No Video	0	0
Input 20	20		No Video	0	0
Input 21	21		No Video	0	0
Input 22	22		No Video	0	0
Input 23	23		No Video	0	0
Input 24	24		No Video	0	0
Input 25	BNC 25		No Video	0	0
Input 26	BNC 26		No Video	0	0
Input 27	BNC 27		No Video	0	0
Input 28	BNC 28		No Video	0	0
Input 29	BNC 29		No Video	0	0
Input 30	BNC 30		No Video	0	0
Input 31	BNC 31		No Video	0	0
Input 32	BNC 32		No Video	0	0
Input 33	BNC 33		No Video	0	0
Input 34	BNC 34		No Video	0	0
Input 35	BNC 35		No Video	0	0
Input 36	BNC 36		No Video	0	0

3. Assign TSL UMD Addresses to sources

Sources that have the overwrite property enabled will now be available to be assigned TSL UMD Addresses.

Navigate to the TSL UMD In Setup



Select each source and assign it a TSL UMD Address

