

# The TSL Tally and UMD Configuring Program

# Routers

- this section is intended to be read in conjunction with the Introduction

## Television Systems Limited. Vanwall Road, Maidenhead, Berkshire, SL6 4UB Telephone +44 (0)1628 676200, FAX +44 (0)1628 676299

1

## Routers

- 1.0 Introduction
- 2.0 Adding Routers to the System
- 3.0 Router Sources
- 4.0 Router Destinations
- 5.0 The Virtual Tally Router
- 6.0 Cut and Pasting Names and Mnemonics into the Lists.
- 7.0 Tools > Router Mimic
- 8.0 View > Options
- 9.0 Tools > Edit Source Panels

## 1.0 Introduction

Routers may be connected to any of the ports on the TM1 / TM2.

The router status or cross point information is read and UMDs may be assigned to the destinations or sources for mnemonic updating.

Tallies may be mapped to the router destinations or sources in TallyMan via the dialog boxes.

It will be seen that everything associated with the destination or source is contained within these dialog boxes.

Router source to source and destination to source mapping may be carried out for cascaded routers. This means that it two routers are cascaded with a destination on the first router feeding an input (source) on the second router, and a UMD is assigned to a destination on the second router, the correct source mnemonics of the first router will be shown on the UMD.

Control is provided for the recursive depth of the linking, so tally and mnemonic information may be set differently.

A facility is provided for the source and destination router lists to the copied to the clipboard and loaded into other programs such as Microsoft Excel for editing.

#### Notes:

For UMDs assigned to router sources be sure to set the Priority for the router destinations otherwise destination mnemonics will not be shown on the UMD and tallies may be slow to switch.

As from TallyMan version V1.66, a router source display will show the final Destination Mnemonic that has selected that Source where there is more than one recursion. i.e source to destination mapping in TallyMan.

The following rules apply:

Destinations with the priority set to 0 are not included. Priority 1 is the highest, 2 is next, etc. Destinations with the same priority will supercede each other; i.e. the last one scanned in a group of the same priority will win.

Vision Mixers are treated as routers in TallyMan. If a Router Destination feeds the input to the Mixer, the Mixer Source should be assigned to the Router Destination. Cameras will normally be inputs to the Router so physical output pins may be assigned to these router inputs. The camera CCUs will get a tally via the mixer-to-destination-to-router source-to-output pins mapping.

Where the Router is a monitoring router for the picture monitors and the cameras are fed to both to the Router Inputs (Sources) and to the Mixer Inputs (Sources), Mixer Source to Router Source mapping should be carried out. Physical output pins for the camera CCUs should still be assigned to the Router Sources. See Section 3.3 for details.

Loading Names into TallyMan from the router – where supported.

Press "Read Names" while online in order to initiate the transfer. Also, please note that any background poll does not result in a mimic message unless the crosspoint has changed.

## 2.0 Adding Routers to the System

To add a router to the system, go Offline and to the New System Icon and click on **Add New Component**. Select a Router.





## 2.2 Router Properties

#### 2.2.1 Name

Give the Router a Name.

#### 2.2.2 Type

Select the router Type from the drop-down box

#### 2.2.3 Matrix

If there is a Matrix number set it here.

#### 2.2.4 Levels

Set the **Level** of the Router that TallyMan needs to read the status. A router will probably have several levels. The level that the UMDs will be assigned to must be set here.

Press Apply. The program will now jump to Set Communications.

For Multi-level routers please see below.

## 2.2.5 Assign Interface - Set Communications

When the Apply button is pressed this dialog box will be shown.

Aain Router: Setup Communication		? 🛛	
Type: Serial RS422		OK Cancel	
General Parameters Port Number: 3	Serial Parameters Baud Rate: 38	3400	Communications must be set.
IP Address:	Parity: N	one 💌	When set press <b>OK</b>
Description: Router Comms	Data Bits: 8	•	ų – – – – – – – – – – – – – – – – – – –
	Stop Bits: 1	•	

Set or leave the Assign Interface to Local for a single router level.

#### General Parameters.

Select the port on the TSL Controller / computer that is to connect to the router frame. Give the Port a Description.

#### Serial Parameters

Set the Serial Parameters of the Port .

#### 2.2.6 Multi Level

If the router is Multi Level, check this box and enter the number of levels in the **Max Levels** box in the **Size** section. UMDs may then be set to the appropriate level. This assumes that all sources across the levels will have a common source mnemonic.

If separate / different mnemonics are required for the different router levels, enter the second router into TallyMan as a separate object in the tree, as show in the screen pictures. This method of working offers greater flexibility.

Where the router has several levels, and a common communications port, the top box in the Assign Interface area will not be set to **Local** but will be set to the parent router for levels other than the first one.

Eile Edit Tools View Comms He	elp			
日一穀 New System 日 朝 Nam Router ist Level ④ 朝 Main Router 2nd Level	Router Properties          Name:       Main Router 1st Level         Type:       GVG Native Protocol         Matrix:       0         Level:       0         Size       Number of Sources:         Number of Destinations:       16         Max Levels:       2         Configure Size       Edit Levels	Apply Multi Level Assign Interface (Locab Set Communications Configure Router Names	[	Main Router 1 <sup>st</sup> level.
Ready		-E OFFLINE NUM		

TallyMan - two level router.tms	
Ble Edit Iools View Comms Belp         Main Router 1st Level         Main Router 2nd Level         Main Router 2nd Level         Main Router 2nd Level         Size         Main Router 1st Level         Size         Main Router 2nd Level         Main Router 1st L         Main Router 1st L         Configure Size       Edd Levels         Configure Router Names	Main Router 2nd level. The Interface has been assigned to the "Main Router 1 <sup>st</sup> Level". The Comms port used will now be the one set up for the "Main Router 1 <sup>st</sup> Level".
eady -EI OFFLINE NUM	

#### Note.

In this instance UMDs will not be set in their dialog box to "Level 2" as the 2<sup>nd</sup> Level here is used within TallyMan as another router. So the UMDs will be assigned to Main Router 2<sup>nd</sup> Level, level 1 for both the source and / or destination mapping requirements.

Where a single router entry is shown as having several levels, it is presumed that all the source and destination mnemonics will be the same for all levels as there will be only one set of mnemonic lists.

## 2.2.7 Edit Levels

This shows a router with one level. The Tally Channel Mask may be set so that only the tally channels required are passed through the router on that level.

Edit Router Level Names and Tally As	signment		X
Router Levels: Level 1	Tally Channel Mask: Le ✓ Program ✓ Iso 1	Vel 1 Vel 1 Vel 1so 8 Vel 1so 9	
	iso 2 iso 3 iso 4 iso 5		
		i Iso 14 i Iso 15 Disable All	
1		<u>ОК</u>	

## 2.3 Size

Enter the number of Sources and Destinations and confirm the Max Levels setting.

Press Config Size.

## 2.4 Configure Router Names

Where the router allows uploading and downloading of names, the various buttons will become active.



## A ProBel Router dialog screen.

Configure Router Database Names	? 🛛
Router Names	OK
Use Table: Matrix 8 Char Matrix 8 Char Matrix 4 Char Import UMD 15 Char ics	Cancel
Auto upda UMD 8 Char UMD 4 Char Export mnemonics to Router Database names	
Auto update selected Router database from mnemonics	
Mixer Names (button labels)	
Use Table: -Not Used-	
Read <u>n</u> ames	

## 3.0 Router Sources

A click on the router source will show the following dialog box. Double click on the Source to be edited.

e Fair Toola Tiott Fourina	Help					
- 🙀 New System	Index	Source	Mnemonic	Mixer Label	Assignment	
System Tally	1	Source 129	Src 129			
🛓 🔣 Main Router	2	Source 130	Src 130			
	3	Source 131	Src 131			
Destination	4	Source 132	Src 132			
+ IX Lines Router	5	Source 133	Src 133			
🕂 🚟 Grass Valley Mixer	6	Source 134	Src 134			
	7	Source 135	Src 135			
Tandar	8	Source 136	Src 136			
	9	Source 137	Src 137			
	10	Source 138	Src 138			
	11	Source 139	Src 139			
	12	Source 140	Src 140			
	13	Source 141	Src 141			
	14	Source 142	Src 142			
	15	Source 143	Src 143			
	16	Source 144	Src 144			
	17	Source 145	Src 145			
	<					>

Edit Source 1 of Main Router		
Name: Mnemonic: SPC 129 Mixer Label Mixer Label Take 2+2 characters Assignment C Source Matrix: Okno Assignment C Destination Separate Mnemonic	Direct Tallies to Source Add Tally Delete Selection Tally Parent	<ul> <li>The Name box is only an aide memoir.</li> <li>The Mnemonic box shows what would appear on a UMD assigned to a router destination and the destination has selected this source.</li> </ul>
Repeat Edit     Image: Allow user configuration       Image: Auto Inc     Category:       Image: Auto Copy     All Sources	Cancel	· · · ·

Src 129 shows in the Mnemonic box as this is source number 129 in this hypothetical system.

Type in the required **Mnemonic**.

The Name may be reset to the default by deleting the entered text.

#### 3.1 Mixer Label

This is where the engineer decides what to offer the Mixer for Names. Names may be derived from:

The Fixed box (VTR1) Or the mixer label may be derived from the Mnemonic box, near the top with the green characters. Take 2+2 will take the first 2 and last 2 characters.

## 3.2 Assignment

The router source may be mapped to:

- A router source source to source mapping
- A router destination source to destination mapping

With source to source mapping a Separate Mnemonic may be set which is the Mnemonic shown on this screen. All tally mapping will be dynamic but the mnemonic will stay as shown in the box with the green text at the top of this screen.

Mnemonic: Srac	129	Direct Tallies to Sour	ce
Miver Label		Add Tally	Delete Selection
	C From Mnemonic	Tally	Parent
VTR 1	Fixed		
🔲 Take 2+2 chara	acters		
Assignment	Marking III Lines Day too		
G D K K			
<ul> <li>Destination</li> </ul>	Source: Src 193	•	
Separate Mnemo	nic		
		-	
Repeat Edit			

## 3.2.1 Assign to Source

When this option is selected in the **Assignment** box, the Display on the second router output will show the mnemonic and tally state of the assigned source. In this example, "CAM 1" will be shown, assuming that the Router 2 Bus has selected its input, SRCE 129.



The mnemonics for the input to Router 2, SRCE 129, are effectively taken over by the input mnemonics state to Router 1. In this example, the mnemonics state shown on the UMD will be those for SRCE 193. <u>Tallies from either source will be shown</u>.

Therefore, in this example, only the mnemonics for Router 1 need be entered in the mnemonics lists.

Source to Source mapping may also be done within one router.

An exception to this is when the **Separate Mnemonic** box is checked. Although the tallies will effectively be added together, the mnemonics will be kept separate.

#### Multilevel Routers

If a source is assigned to a destination, it is possible to specify a particular Level for the assignment.

Leaving the Level set to **Normal** means that any UMD assignment will take its selected level and path through TallyMan.

dit Source 1 of Router 1			
Mnemonic: Shic		Direct Tallies to Sou	rce Delete Selection
	Fixed	Tally	Parent
Assignment			
© Source Matrix: © Destination Destination:	Router 2  Dst 65		
Level:	Normal		
Repeat Edit	Level 2 Level 3 Level 4		Cancel

Edit UMD 1 of Display Ports		
Name: Name: Display Test: Fixed: <b>1</b> Display Assignment: Follow Matrix Destination Matrix Recursion Depth: Maximum Justify: Centre Imited to: Matrix Assignment: Matrix Assignment: Matrix Control Matrix Control	Brightness: Normal 🗨 Allow user configura Display Tally:	OK Cancel Restore Defaults Configure Display Tally Bits (* Basic (L.R) (* Extended
Level:  I: Level1  Direct Tally Assignment  Type: ST System Tally  Parent:  New System Tally: System Tally 1  Exclusive	Tally Channet Left Mask: Right Mask:	Repeat Edit Auto Inc Auto Copy

## 3.2.2 Assignment to Destination

Edit Source 1 of Main Router         Name:         Mnemonic:       Spic         Mixer Label         VTR 1         © From Mnemonic         VTR 1         © Fixed         Take 2+2 characters         Assignment         © Source       Matrix:         © Destination       Destination:         © Separate Mnemonic         Repeat Edit       Allow user configuration	Direct Tallies to Source Add Tally Delete Selection Tally Parent Cancel	The Category is shown as OS – Outside Source.
Auto Inc     Auto Copy	Cancel	Outside Source.

This is used when there is more than one router in the system and displays need to show the correct original source mnemonic.



A display on the Main Router bus needs to show the correct Lines Router source mnemonic.

In the example above, Router 2 is the final Router in the chain. Input 1 on Router 2 has the mnemonic "SRC 129".

This input 1 is connected to Router 1, Bus 1, which has the mnemonic "DST 161". Router 1 will also have mnemonics assigned to it's sources. It is these source mnemonics that will be shown on the Router 2 Bus Display.

Therefore, the linking will now ensure that the Router 2 Bus Display shows the correct Router 1 source mnemonic which is selected by Router 1, Bus 1.

Note

As from TallyMan version 1.66 a Router Source display will show the final Destination Mnemonic that has selected that Source with more than one recursion.

The following rules apply:

Destinations with the priority set to 0 are not included. Priority 1 is highest, 2 next, etc. Destinations with the same priority will supercede each other; i.e. the last one scanned in a group of the same priority will win.

#### **Direct Tallies to Source**

Tallies may be assigned to the router sources.

#### Click on Add Tally

Add Assigned Tally				
Type: 노토 Tally In Parent: 표준 Parallel Interface Tally: Tally In 3	Add > )	Tally ∑f Tally In 3	Parent Parallel Interface	Logic
	Finished		Delete Selection	

- Select the tally **Type**
- Select the Parent source
- Select the Tally
- and then **Add** to the box.

Tallies may be deleted as a group and may be randomly selected using the usual Windows selection techniques.

The configuring engineer may **Allow User configuration** access and the router source may be set a any one of seven Categories for easy group editing later

Edit Source 1 of Main Router			$\mathbf{X}$	
Name: Mnemonic: Str. C. 129 Mixer Label C. From Mnemonic Fixed Take 2+2 characters Assignment C. Source Matrix: O (No Assignment)	Direct Tallies to Source <u>A</u> dd Tally Tally ∑.[E Tally In 3	Delete Selection		
Category:     Auto Copy     Category:     Auto Copy     Category:     Auto Copy     Category:     Category:		Cancel OK	]	The Category is shown as OS – Outside Source.

## 3.3 Repeat Edit

The **Auto Inc** and **Auto Copy** boxes may be checked for quick copying of source mnemonics where they are similar.

The router source may be set to belong to one of seven categories for easier editing later on.

## 4.0 Router Destinations

To edit the Destination parameters, click on the router destination icon then double click on the Destination to be edited.

TallyMan - offline1.tms						
<u>File E</u> dit <u>T</u> ools <u>V</u> iew <u>⊂</u> omms	<u>H</u> elp					
🖃 🕎 New System	Index	Destination	Mnemonic	Priority Mixer Label	F 🔨	
ST System Tally	1	Bus 1	Output 1	0		
📥 🔣 Main Router	2	Destination	Dst 98	0	100	
Source	3	Destination 99	Dst 99	0	=	
	4	Destination 100	Qst 10	0		
	5	Destination 101	Ds 11	0		
Grass Valley Mixer	6	Destination 102	Dst 1	0		
	7	Destination 103	Dst 13	0		
Tandar	8	Destination 104	Dst 14	0		
	9	Destination 105	Dst 15	0		
	10	Destination 106	Dst 16	0		
	11	Destination 107	Dst 17	0		
	12	Destination 108	Dst 18	$\setminus_0$		
	13	Destination 109	Dst 19	λ		
	14	Destination 110	Dst 110	0		
	15	Destination 111	Dst 111	0		
	16	Destination 112	Dst 112	0		
	17	Destination 113	Dst 113	0	~	
	<				2	
l Daadu	1					
Reduy						
Edit Destination 1 of Main I Name: Bus 1 Mnemonic: Out Pu Mixer Label Take 2+2 characters Priority: 0	t 1 C Fr C Fi	om Mnemonic xed	Direct 1	Tallies In 1 TallyPelete Seler Parent	ction	The Name box is only an aide memoir. The Mnemonic box shows what would appear on a UMD assigned to a source and the destination has selected this source or if a
Repeat Edit	Category:	Allow user co	nfiguration		Cancel OK	to the Destination as a Fixed Destination display.

Type in the required Mnemonic.

#### 4.1 Mixer Label

The Mixer Label is shown as being taken from the Mnemonic and the first 2 and last two characters are used: Ou 1.

## 4.2 Priority

The Priority must be set if there are source displays. As several destinations may select the same source, a system is needed whereby the UMD is "told" what to display.

Priority 1 is a higher priority than Priority 2 etc.

## 4.3 Repeat Edit

This will allow quick automatic incrementing of mixer sources and the Auto Copy will carry on down the same settings for the next mixer source

## 4.4 Direct Tallies In

Tallies may be assigned to a Destination.

Any UMD associated with the Destination or any Router Source UMD that is assigned to a Source that has been selected by the Destination will have a tally set provided that the UMD mask has been set to accept the tally channel.

Clicking on Add Tally will show the following box.

Add Assig	ned Tally					X
Type: Parent: Tally:	노토 Tally In 또위 Parallel Interface Tally In 1	×	Add>	Tally	Parent Parallel Interface	Logic
			Finished		Delete Selection	

- Select the **Tally** type
- Select the **Parent** source
- Select the Tally
- and then **Add** to the box.

Tallies may be deleted as a group and are randomly selected using the usual Windows selection techniques.

## 5.0 The Virtual Tally Router

There may be instances when a virtual router is required in the system.

This could be used, for example, as a UMD mnemonic switch to show the transmission status on a UMD if a prime router destination is put to air or to route tallies automatically to the prime router destination if that destination has to be put to air under emergency conditions.

The tally in these cases could be an external contact closure; a GPI connected to the parallel I/O.

New System	Router Properties	
	Name: Virtual Router	Apply
	Type: ProBel SWP08	
	Matrix: ProBel SWP08 Quartz GVG Native Protocol	Г <u>M</u> ulti Level
	Size Thomson/BTS ASCII Leitch X-Y Virtual tally router Number of sources: 10	Assign Interface
	Number of Destinations: 0	Set Communications
	Max Levels: 1	<u>R</u> outer Control
	Configure Size Edit Levels	Configure Router <u>N</u> ames

TallyMan - Untitled		
<u>File Edit Tools View Comm</u>	s <u>H</u> elp	
Image: Provide a state of the state of	Router Properties	Apply
	Matrix: 0 Level: 0	Assign Interface
	Number of Destinations: 1 Max Levels: 1	Set Communications
	Configure Size Edit Levels	Configure Router Names
Ready		

Here a Virtual Tally Router with 3 i/ps is shown.

Edit Source 2 of r          Name:	Direct Tallies to Source          Add Tally       Delete Selection         Tally       Parent         Life Tally In 2       tally	Tally 2 is used to switch the Destination to Source 2.
Repeat Edit     Image: Allow user configuration       Image: Auto Inc     Category:       Image: Auto Copy     All Sources	Cancel DK	

The Virtual Tally Router looks at the tally status of each of its sources. It then routes the first source it finds tallied, to the single destination. If tallies are set simultaneously to sources 2 and 3, source 2 will be selected. This is a priority system.

If no sources are tallied, Source 1 is routed to the Destination.

The level mask, accessed via **Edit Levels**, is applied to the tally status. It determines which tally channels are allowed to pass through or switch the router.

• The control tally should be in a different tally channel to the tallies set to the destination etc. It is suggested that Iso 15 tally channel is used but any different tally channel to the "program" tallies may be used.

Edit Router Level Names and Tally	Assignment		Đ
Router Levels:		Ca	incel
Level 1	Program	🔽 Iso 8	
	🔽 Iso 1	🔽 Iso 9	
	🔽 Iso 2	🔽 Iso 10	
	🔽 Iso 3	🔽 Iso 11	
	🔽 Iso 4	🔽 Iso 12	
	🔽 Iso 5	🔽 Iso 13	
	🔽 Iso 6	🔽 Iso 14	
	🔽 Iso 7	🔽 Iso 15	
	<u>E</u> nable All	Disable All	
			OK ]

Note that the router mimic will not show the Virtual Router activity in **Tools > Router Mimic.** This mimic only shows real router activity when on-line.

## 6.0 Cut and Pasting Names and Mnemonics into the Lists.

Names and Mnemonics may be cut and pasted between lists in TallyMan and Microsoft Excel for easy updating and editing.

## 6.1 Using other programs to edit the Router source and destination lists.

## 6.2 Copying Names and / or Mnemonics

If the router sources or destinations are selected and copied (RH mouse button or via Edit > Copy Mnemonics or Edit > Copy Names) the text may be downloaded into other applications such as Microsoft Excel. No delimiters should be checked for vertical filling in Excel. Various delimiters are available for loading into other programs.

- 💬 New System	Index	Source	Mnemonic	Mixer Label	Assignment	Router Name	~	
ST System Tally	× 1	Source 129	Src. 129					
- IX Main Router	2	Source 130	Src 130					
- Source	3	Source 131	Src 131					
Destination	4	Source 132	Src 132				-	
In the second se	5	Source 133	Src 133				22	
Grace Valley Miver	6	Source 134	Src 134					
	7	Source 135	Src 135					The edit menu
	8	Source 136	Src 136					allows copying or
	9	Source 137	Src 137					nasting of the
	10	Source 138	Src 138					pasting of the
	11	Source 139	Src 139					Minemonics and /
	12	Source 140	Src 140					or Names
	13	Source 141	Src 141					
	14	Source 142	Src 142					
	15	Source 143	Src 143					
	16	Source 144	Src 144					
	17	Source 145	Src 145					
	18	Source 146	Src 146					
	19	Source 147	Src 147					
	20	Source 148	Src 148					
	21	Source 149	Src 149					
	22	Source 150	Src 150					
< >	23	Source 151	Src 151				~	
Baarda		e 100	- 150					

Open Excel and mark the first box. Click on Paste and the Names or Mnemonics will be entered.

## 6.3 Pasting Names and Mnemonics into TallyMan.

Lists may be created in other programs, such as Microsoft Excel and pasted into TallyMan.

Mark the list and copy to the Clipboard. Open TallyMan and paste into the Names or Mnemonics list as required.

## 7.0 Tools > Router Mimic

When the program is on-line and this box is displayed, router communication may be observed as cross point information is read. This facility should be used to check for correct communications.

## 8.0 View > Options

The facility is now offered whereby the drop down lists may show either the Name or the Mnemonic associated with the router, for example. The Index number may also be shown, if required.

View Options	
Drop-down List Entries Name Prefix with numeric index	Cancel

Anemonic: Src 33		- Direct Tallies to Sou	urce
Mixer Button Display Assign	Becursion	Add Tally	Delete Selection
Fixed     Fixed     From F     Take 2+2 characters     Level:	Nouter:	Tally	Parent
Assignment			
Source Matrix:      Matrix:      Imm     Destination Source:      1:      C	Probel Router 💌 amera 1 Jim 💌		
Level: Nor Separate Mnemonic	nal		
Repeat Edit	Allow user configuration		Cance

This shows the Index number and the Name

Name: Input I			
Mnemonic: Shoc	33	Direct Tallies to So	urce
Mixer Button Display A	Assign	Add Tally	Delete Selection
	From Mnemonic     Fixed     Fixed     Limit     D		Parent
Take 2+2 char	acters	<b>Y</b>	
<ul> <li>Source</li> </ul>	Matrix: 🔣 Probel Router	-	
C Destination	Source: 1: Cam 1		
🔲 Separate Mnem	onic		
Repeat Edit	Allow user configuration	on	Cancel

This shows the Index number and the Mnemonic.

## 9.0 Tools > Edit Source Panels

#### Use with the User Screen

This allows individual source selection, hence router changes, once a monitor has been set to a Destination.

TallyMan - Untitled	_ 🗆 🗙
File Edit Tools View Comms Help	
Destination 1	
	>

• Enter a Monitor and assign as Destination to it. Drag and drop the Destination into the monitor.

Destination	Manager		×
Matrix: Category:	All Destina	Router 💌	<ul> <li>         Mame         Mnemonic         Minemonic         View Details         </li> </ul>
Destinatio	on 1	Destination 6	Destination 11
Destinatio	on 2	Destination 7	Destination 12
Destinatio	on 3	Destination 8	Destination 13
Destinatio	on 4	Destination 9	Destination 14
Destinatio	on 5	Destination 10	Destination 15
<			>

This option determines how the text in the monitor will be displayed. Seen via the **Setup > View > Options** dialogue box.

View Options	
Drop-down List Entries Name I Prefix with numeric index	Cancel

## If required:

- RH mouse click on the monitor
- Load the appropriate Source Panel settings from the saved .tss file.

Assign Mo	nitor		
			(OK)
Object:	3⊕ Destination	-	Cancel
Parent:	Robel Router	•	Source Panel:
Item:	1: Destination 1	-	1.tss
Level:	J	Y	

#### To Edit Source Panels

Panel buttons may be allocated to the sources as described below.

When this option is selected both the Source Manager and Source Select Panel Editor will open.

It is possible to drag and drop the sources onto the buttons. A LH mouse click will remove the assignment.

	Ø		<u></u>	I	Ş	]	<i>;</i> 2	7				1		$\square$	22	
M: Source Man	ager		<b>X</b>	🗖 TallyMan	- Untitled									🗙	) Remote . Desktop	
Matrix	Robel Ro	outer 📕 🖰	Mame Mnemonic	File Edit Tor	ols <u>Vi</u> ew <u>C</u> or	nms Help	Source	Mpemopic		Miver Label	Assignmen	*	Pouter Name		<b>HA</b>	
Gr	All Sources	<u> г</u>	⊻iew Details	e 🔛 Pr	obel Router	<b>*</b> 1	Camera 1 Jim	Cam 1		Plate Edder	Hongrand		- Notice Hame		n Network	
♥ Camera 1 ♥ Source 2	lJim P⊂S P⊂S	ource 6 ource 7	Source 11	s	<ul> <li>Source</li> <li>Destination</li> </ul>	<b>₹</b> 2 <b>₹</b> 3	Source 2 Source 3	Src 2 Src 3							talyman.exe	
Source 3	¢rs s	ource 8 ource 9	Source 13	😑 🚟 So	ny Mixer	974 945	Source 4 Source 5	Src 4								
Source 5	s	ource 10	Source 15	36	Destination	26	Source 6	Src 6								
<	4.78		>	E III Pa	Program Tally rallel	÷.	Source 8	Src 8						-	m	
Ad-Aware SF	Registry			Die Die	splay Ports	9 10	Source 9 Source 10	Src 9 Src 10							Released	
Personal	Mechanic					11	Source 11	Src 11							TalyMan Files	
Source	Select Pane	l Editor				100 12	500/ce 12	30 12			X				<b>A</b>	
Ad Acrost	re on Select	Name:		_	Saure 1		1	_	Page h	lamar					cerhost.exe	
in the close	Initialize	Router A	Na Animenanta		Load		Page Back	Page Next	ragen	value.	-				Print	
<b>.</b>	mane		40 Assignment/	<u> </u>	Source										1.00	
Adobe Btn 1	Assigned	Btn 2 Not Assigned	Btn 3 Not Assigned	Etn 4	Btn 5	5 Assiane	Btn 6	Btn 7	eeimed	Etn 8 Not Assign					EPSON Print CD	
4															<b>1</b>	
Auto(														~	IMD	
Btn 9		Btn 10	Btn 11	Bto 12	Bto 1	13	Btn 14	Btn 15		Bto 16					Programming	
llot .	Assigned	Not Assigned	Not Assigned	Not Assig	ined Hot	Assigne	d Not Assig	ned Not A	ssigned	Not Assigne	ed 👘			-	- <b>4</b> 8	
Auto( 20																
					_	_								97	<b>K</b>	
Btn 1	17 Appigned	Btn 18 Not Appired	Etn 19 Not Appinged	Etn 20	Btn 2	21	Btn 22	Btn 23	anima d	Etn 24				ANN N	Shortest to	
20	Assigned	not Assigned	not Assigned	not Assig	incu not	Assigne	u nor Assig	incu invers	Jagireu	not Assign					tmflashupd	
														MS	- <u>N</u>	
Con .	25	Bto 26	Btp 27	Pto 28	Bto 3	0	Bto 30	Bto 31		Bto 32	e 14			LPCOM.EXE	Shortcut to	
Hot.	Assigned	Not Assigned	Not Assigned	Hot Assig	ined Hot	Assigne	d Not Assig	ned Not A	ssigned	Not Assigne	bd			THE OWNER	MS	
2														<b>3</b>	516	
LEXAP					_	_		_						V7.20	Shortcut to UMDCOM.EXE	
×.														-	<b>(</b>	
Printer.xls														Shortcut to	Skype	
														Winsetup.exi		
E Carlor															1	J
ebu[1].doc																
H otart			and the second s													
start	Linbo	ix millinosore Out	· Incrosoft V	v0r0	And TalyMar	n - Untitled	- Ad	de Reader						EN	B D D D D D D D D D D D D D D D D D D D	

Select the Router and then **Initialise** and the buttons are auto-filled. This shows that **Normal** has been selected.

Buttons	
C Category Sort	
C Custom File	Default

Source Select Panel Ec	ditor						
Close on Select N	Name: Duter: Probel R	louter 💌	Save Load Source	Pag	ge Back Page	Next Page Nam	e:
Btn 1 Cam 1 Cam 1	n2 Src 2	n <sup>3</sup> Src 3	n4 Src 4	Btn 5 Src 5	Btn 6 Src 6	Btn 7 Src 7	Btn 8 Src 8
Btn 9	n 10	n 11	n 12	Btn 13	Btn 14	Btn 15	Btn 16
Src 9	Src 10	Src 11	Src 12	Src 13	Src 14	Src 15	Src 16
Btn 17	n 18	n 19	n 20	Btn 21	Btn 22	Btn 23	Btn 24
Src 17	Src 18	Src 19	Src 20	Src 21	Src 22	Src 23	Src 24
Btn 25	n 26 Bt	n 27	n 28	Btn 29	Btn 30	Btn 31	3tn 32
Sre 25	Src 26	Src 27	Src 28	Src 29	Src 30	Src 31	Src 32

Source Mar	nager		×
Matrix: Category:	Robel Router	•	<ul> <li>○ <u>N</u>ame</li> <li>○ <u>M</u>nemonic</li> <li>□ <u>V</u>iew Details</li> </ul>
📌 Cam 1	📌 Src 🛛 é	5	Src 11
📌 Src 🛛 2	📌 Src 🛛	7	🐺 Src 🛛 12
📌 Src 🛛 3	📌 Src 🛛 8	3	📮 Src 13
📌 Src 🛛 4	Src 9	9	📮 Src 🛛 14
📌 Src 5	Src 1	0	🐺 Src 🛛 15
<			>

If **Initialize** > **Category Sort** is selected each category is put on separate pages.

C 11			
<ul> <li>Normal</li> </ul>			
Category Sort			
C Custom File	Default		

Source Select Pane	l Editor						X
Close on Select	Name: Router: Router:	el Router	Save Load	P	age Back Pag	e Next Camera	ame: Page
Btn 1	Btn 2	Btn 3	Btn 4	Btn 5	Btn 6	Btn 7	Btn 8
Cam 1	Src 2	Src 3	Src 4	Src 5	Src 6	Src 7	Src 8
📃 😤 📋	- 😤	- 😤 -	- 😤 📋	- 😤	- 😤	- 😤	- 😤 📋
Btn 9 Not Assigned	Btn 10 Not Assigned	Btn 11 Not Assigned	Btn 12 Not Assigned	Btn 13 Not Assigned	Btn 14 Not Assigned	Btn 15 Not Assigned	Btn 16 Not Assigned
not Abbightu	not Abbighet	not Assigned	noceasigned	not Abolyneu	not Assigned	not Assigned	not Abolghed
Btn 17	Btn 18	Btn 19	Btn 20	Btn 21	Btn 22	Btn 23	Btn 24
Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Hot Assigned	Not Assigned
Btn 25	Btn 26 Not Appliqued	Btn 27	Btn 28 Not Appirmed	Btn 29 Not Appigned	Btn 30	Btn 31 Not Appigned	Btn 32
not Assigned	not Assigned	not Assigned	not Assigned	not Assigned	norAssigned	not Assigned	nocAssigned

Source Select Pan	el Editor						X
Close on Select	Name: Name: Router: Router:	bel Router	Save	F	Page Back Pa	ge Next VTR P	lame: age
Btn 1	Btn 2	Btn 3	Btn 4	Btn 5	Btn 6	Btn 7	Btn 8
Src 12	Src 13	Src 14	Src 15	Src 16	Src 17	Src 18	Not Assigned
Btn 9	Btn 10	Btn 11	Btn 12	Btn 13	Btn 14	Btn 15	Btn 16
Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Hot Assigned	Not Assigned
Btn 17	Btn 18	Bin 19	Btn 20	Btn 21	Btn 22	Btn 23	Btn 24
Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Hot Assigned	Hot Assigned	Not Assigned
Btn 25	Btn 26	Btn 27	Btn 28	Btn 29	Btn 30	Btn 31	Btn 32
Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Hot Assigned	Not Assigned

A Custom File may be saved / loaded by clicking the Default button

O Normal			
C Category Sort			
Custom File	1.	tss	

Or by selecting either the **Save** or **Load** buttons, as appropriate.

Source Select Pan	el Editor						
Close on Select	Name: Router Router: Router	bel Router	▼ Save	F	Page Back Pag	je Next Page N	ame:
Bto 1	Bto 2	Bto 3	Bto 4	Bto 5	Bto 6	Ptp 7	Pto 8
Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned	Not Assigned
Btn 9 Not Assigned	Btn 10 Not Assigned	Btn 11 Cam 1	Btn 12 Not Assigned	Etn 13 Not Assigned	Btn 14 Not Assigned	Btn 15 Not Assigned	Btn 16 Hot Assigned
Btn 17 Not Assigned	Btn 18 Not Assigned	Btn 19 Not Assigned	Btn 20 Not Assigned	Btn 21 Not Assigned	Btn 22 Not Assigned	Btn 23 Not Assigned	Btn 24 Hot Assigned
Btn 25 Hot Assigned	Btn 26 Not Assigned	Btn 27 Hot Assigned	Btn 28 Hot Assigned	Btn 29 Hot Assigned	Btn 30 Src 12	Btn 31 Src 13	Btn 32 Not Assigned

• Write this setup to the TMx

Then, when on-line go to the User screen:



Press on the button graphic if you have a touch screen or click with a mouse,

Source Select							
Close on Select	Page Back Page Next Source Page 1						
Src 1	Src 2	Sre 3	Src 4	Src 5	Src 6	Src 7	Src 8
Src 9	Src 10	Src 11	Src 12	Src 13	Src 14	Src 15	Src 16
Src 17	Src 18	Src 19	Src 20	Src 21	Src 22	Src 23	Src 24
Src 25	Src 26	Src 27	Src 28	Src 29	Src 30	Src 31	Src 32

This screen will reappear and sources may be selected to the monitor. If **Close on Select** is checked, the screen will disappear on touching a source button.

Notes:

When on-line alternative panel selections and destination control settings may be loaded. The program will show which source has been selected even if a hardware panel is used to make changes.