

The TSL Tally and UMD Configuring Program

Examples

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

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Examples

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1.0 Mapping one Direct Tally to a UMD to light both LEDS

A tally from a Parallel I/O has been named **Cam 1 – Red.**

The Tally Channel to which it has been assigned is 1 with the Name: Program/Red Tallies.

Edit Tally In 1	of Parallel Interface
Name:	Cam 1 - Red
Tally Channel:	1: Program/Red Tallies
Repeat Edit -	Cancel
Auto Ir Auto C	

This tally has been mapped to this UMD as a Direct Tally in the Direct Tally Assignment dialog box.

lit UMD 1 of TSL UMD			
Name: CAM 1	Brightness:	Normal	OK
Display Text:		Allow user configuration 🔽	Cancel
Fixed I	Display Tally: —		
Display Assignment: Fixed Mnemonic			Restore Defaults
Matrix Recursion Depth: Maximum			
Justify: Left			T-ll-Dà.
Matrix Assignment:			Tally Bits
Matrix: 🗢 <no assignment=""> 💌</no>			C Extended
· ·			
Level			
Direct Tally Assignment			
Type: ∑I Tally In ▼	Tally Channel		
Parent:	Left Mask:	• • • • • • • • • • • • • • • • • • • •	Repeat Edit
Tally: Cam 1 - Red	Right Mask:	••••••	Auto Inc
Exclusive			Auto Copy

It will be seen that the UMD's Left Tally Channel Mask is set to accept tally channel: Program/Red Tallies. The settings for the Right Mask are the same.

Edit mask for Tally Channel 1:		Ok Cano
Tally Channel		
Program/Red Tallies	🔲 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	

Tally 1 will light both the LH and RH tally lamps on the UMD.

2.0 Mapping a System Tally to a UMD to light both LEDS independently.

Tally Channels derived from a Parallel I/O are flagged as Tally Channel 2: Iso 1 and Tally Channel 3: Iso 2.

Edit Tally In 2 of Parallel Interface	Edit Tally In 3 of Parallel Interface
Name: Tally 2	Name: Tally 3
Tally Channet: 2: Iso 1	Tally Channet 3: Iso 2
Repeat Edit Cancel	Repeat Edit Cancel
☐ Auto <u>C</u> opy OK	C Auto Copy

The System Tally

A System Tally may consist of two of these tallies.

Next, add Tally 2 and Tally 3 to System Tally 1.

The Active Tally Out Channels must also be set to Iso 1 and Iso 2.

nt system ruty	1 of New System			
Allow use	r configuration	Name:		
Mapped Tallies In		Active Tally Channel Mask		
Add Tally	Delete Selection	Program/Red Tallies	🗌 Iso 8	
Tally	Parent Logic	🔽 Iso 1	🗌 Iso 9	
Lally 2	Parallel Inter	Iso 2	🗖 Iso 10	
노 <mark>[</mark> Tally 3	Parallel Inter Or	□ Iso 3	□ Iso 11	
		□ Iso 4	∏ Iso 12	
		□ Iso 5	🗐 Iso 13	
		□ Iso 6	🗖 Iso 14	
		🗖 Iso 7	☐ Iso 15	
Repeat Edit	Output Log	ic fper channel)	On	Cancel
T Auto Copy	C Logica	l (any channel)		OK



The UMD dialog box

Edit UMD 1 of TSL UMD		
Name: CAM 1	Brightness: Normal 💌	ОК
Display Text	Allow user configuration 🔽	Cancel
Fixed Fixed 1	Display Tally:	
Display Assignment Fixed Mnemonic		Restore Defaults
Matrix Recursion Depth: Maximum		
Justify: Left		- Tally Bits
Matrix Assignment		 Basic (L,R)
Matrix: 🗢 <no assignment=""> 💌</no>		C Extended
_		
Levet.		
Direct Tally Assignment		
Type: ST System Tally	Tally Channel:	Deces 5 db
Parent: 😰 New System 💌		Repeat Edit
Tally: System Tally 1 💌	Right Mask:	Auto Copy
☐ Exclusive		

System Tally 1 is assigned to the UMD but the Mask has been set to accept Iso1 for the Left Tally and Iso2 for the Right Tally.
Separate left and right tallying is now possible via a System Tally.

The UMD Tally Channel Masks

Edit mask for Tally Channel 1:		OK Cancel	Edit mask for Tally Channel 2:		OK Canc
Tally Channel			Tally Channel		
Program/Red Tallies	🔲 Iso 8		Program/Red Tallies	🗔 Iso 8	
🔽 Iso 1	🔲 Iso 9		🗖 Iso 1	🗔 Iso 9	
🔲 Iso 2	🔲 Iso 10		🔽 Iso 2	🔲 lso 10	
🔲 Iso 3	🔲 Iso 11		🖂 Iso 3	🔲 Iso 11	
🔲 Iso 4	🔲 Iso 12		🔲 Iso 4	🔲 Iso 12	
🔲 Iso 5	🔲 Iso 13		🔲 Iso 5	🗔 Iso 13	
🗐 Iso 6	🔲 Iso 14		🗐 Iso 6	🔲 Iso 14	
🔲 Iso 7	🔲 Iso 15		□ Iso 7	🗆 Iso 15	

The Left and Right Masks set to accept the desired active tally channel, Iso 1 or Iso 2. This will give individual control of the left and right tally LEDs.

3.0 Mapping a Permanently ON System Tally to the Mixer and outputting tallies to a camera.



If a permanently ON System Tally is set to a Mixer's PGM O/P it is possible to map this all the way back to the tally O/P pin for connection to a camera's CCU.

The idea is that once mapped, selecting any mixer source will send a tally to the correct camera etc.

An extension of this idea is that if a prime router O/P might need be taken to air as an emergency O/P, provided that a tally has been set to the router's destination, all cameras etc will receive correct tally signals. Please see the next section.

Create the Permanently ON System Tally.

Allow us	er configuration		Name: Perm ON 1	ally	
apped Tallies In			Active Tally Channel Mask		
Add Tally	Delete	Selection	✓ Program/Red Tallies	🗐 Iso 8	
Tally	Parent	Logic	🗔 Iso 1	🔲 Iso 9	
ST System Tall.		ON	lso 2	🔲 Iso 10	
			🗔 Iso 3	🔲 Iso 11	
			🗔 Iso 4	🔲 Iso 12	
			🗖 Iso 5	🔲 Iso 13	
			🗔 Iso 6	🔲 Iso 14	
			🗖 lso 7	🖂 Iso 15	
epeat Edit	L,		· · · · · · · · · · · · · · · · · · ·		

Select an Active Tally Channel Mask box.

Go to the Mixer PGM Destination dialog box.

	on 1 of Gra		HACT.	⊏Direct Tallie	s In	
Name:	PGM 0/P			Add Tal	y Delete Sel	lection
Mnemonic:	Dst	1		Tally	Parent	
Mixer Label	0 	● Fix	m Mnemonic ed			
Priority						
Repeat Edi		Category:	Allow user con	figuration		Cancel

Add a Direct Tally in – the System Tally.

				Tally	Parent	Logic
Туре:	ST System Tally	_		ST Perm ON Tally	New System	
Parent:	🕎 New System	-				
Tally:	Perm ON Tally	-				
			Add >			

A permanent tally is now set to the Mixer's PGM bus.

Map (assign) the Mixer I/P(s) to the correct Router Destination(s).

			- Direct Tallies to So	
Mnemonic: Sr	c 1			
Mixer Button Display	Assian		Add Tally	Delete Selection
Input 1 Take 2+2 ch Assignment C Source	۴F	irom Mnemonic iixed irom Router:		Parent
Destination Separate Mne	Destination:	Output 1		

Map the Router's Source to a physical O/P pin.

Edit Source 1 of Main Router	×	
Name: Input 1 Mnemonic: CAM 1 Mixer Label C From Mnemonic	Direct Tallies to Source Add Tally Delete Selection Tally Parent	
Fixed Take 2+2 characters Assignment Source Matrix: Analysignment	1.00 I. 0.00 M	Router Source 1
Category: Camera	Cancel OK	

Map this source to a Parallel I/O output pin. A CTD-1E is used here.

jile <u>E</u> dit <u>T</u> ools ⊻iew ⊆om	ms <u>H</u> elp			
🗉 🧝 New System	Index	Tally Output	Channel	^
ST System Tally	1	Cam 1 Out	1: Program/Red Tallies	
🚊 🌆 Main Router	2	Tally Out 34	1: Program/Red Tallies	
- 🖓 Source	3	Tally Out 35	1: Program/Red Tallies	
Destination	4	Tally Out 36	1: Program/Red Tallies	
🛨 🔣 Lines Router	5	Tally Out 37	1: Program/Red Tallies	
🖣 🚟 Grass Valley Mixer	6	Tally Out 38	1: Program/Red Tallies	
- 2 Source	7	Tally Out 39	1: Program/Red Tallies	
	8	Tally Out 40	1: Program/Red Tallies	
TSL UMD	9	Tally Out 41	1: Program/Red Tallies	
Display	10	Tally Out 42	1: Program/Red Tallies	
	11	Tally Out 43	1: Program/Red Tallies	
	12	Tally Out 44	1: Program/Red Tallies	
🗉 🔁 SC-11	13	Tally Out 45	1: Program/Red Tallies	
E Z CTD1	14	Tally Out 46	1: Program/Red Tallies	
😑 🛺 Parallel Tallies	15	Tally Out 47	1: Program/Red Tallies	
	16	Tally Out 48	1: Program/Red Tallies	
🔤 📑 Tally Out	17	Tally Out 49	1: Program/Red Tallies	
	18	Tally Out 50	1: Program/Red Tallies	
	19	Tally Out 51	1: Program/Red Tallies	
	20	Tally Out 52	1: Program/Red Tallies	
	21	Tally Out 53	1: Program/Red Tallies	
	22	Tally Out 54	1: Program/Red Tallies	
: >	23	Tally Out 55	1: Program/Red Tallies	~

Adding the selected tally to the output.

d Assig	ned Tally					
Type: Parent: Tally:	양문 Source IIII Main Router Input 1	•	Add>	Tally St Input 1	Parent Main Router	Logic
			Finished		Delete Selection	

Allow user configuration	Name: Cam 1 Out	
apped Tallies In	Active Tally Channel Out	
Add Tally Delete Selection	✓ Program/Red Tallies	∏ Iso 8
Tally Parent Logic	🔲 Iso 1	🗔 Iso 9
telling Fellen telling tellin	🔲 Iso 2	∏ Iso 10
-	🔲 Iso 3	🗔 Iso 11
	□ Iso 4	厂 Iso 12
	□ Iso 5	□ Iso 13
	🗖 Iso 6	□ Iso 14
	🗖 Iso 7	🖂 Iso 15
epeat Edit		Cancel

Ensure that the Active Tally Out Channel matches the Tally Channel assigned to the original System Tally.

A tally will now appear on the hardware pin which may be wired to the camera's CCU.

4.0 A 2 x 1 Emergency C/O Router

A TallyMan module may be set up which allows tally information to be routed from the transmission o/p back to the router sources and then out to cameras etc. in the event of a mixer malfunction as well as the ability to show the correct source mnemonic that is on-air. Please bear in mind that the drawings give a systems overview from the TallyMan viewpoint.



2 x 1 Emergency Router in TallyMan

A tally set to Source 2 will switch the Emergency 2 x 1 Router to Source 2.

The non tallied state is a default to Source 1.

If Router sources are connected to the Tally Outputs of a Parallel I/O in TallyMan, tallies may be taken to cameras etc.

An external C/O switch to select between Mixer and Router O/Ps.

External Switch

This could be a simple switch or a GPI from a physical 2×1 router. One pole needs to carry out the External Tally control .

