



Application Note 8

Audio Follow Video

Product:	System 5 Software	Software Version:	eMix 2.5 and higher
Audience:	Live Broadcast	Document Revision:	1.0
Subassembly:	GP 132	Date:	May, 2002

In this example, there are four cameras each with a microphone configured with a video switcher, GP 132, and System 5 console (Figure 1).

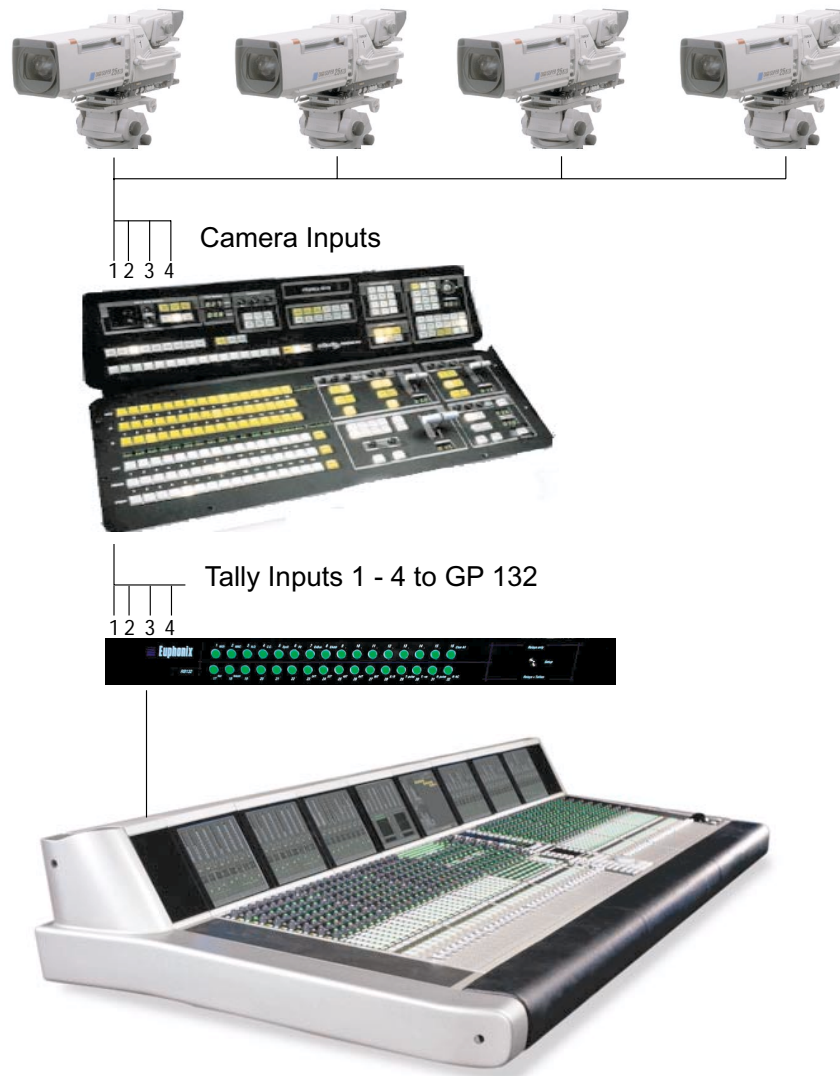


Figure 1



The goal is to enable the following functionality:

- When the video switcher takes camera 1, channel 1's audio is on while channels 2–4 are muted.
- When the video switcher takes camera 2, channel 2's audio is on while channels 1, 3, and 4 are muted.
- When the video switcher takes camera 3, channel 3's audio is on while channels 1, 2, and 4 are muted.
- When the video switcher takes camera 4, channel 4's audio is on while channels 1–3 are muted.

The following steps explain how to turn channel 1 on and mute the other channels when the video switcher takes camera 1.

1. Choose a tally input to use on the GP 132.
For example, tally input 1 uses pins 1 and 14 on connector RT1 of the GP 132.
2. In **Events** page of eMix, click **<click to add event>** in the Events List section, and select *OR* as the logic operator.

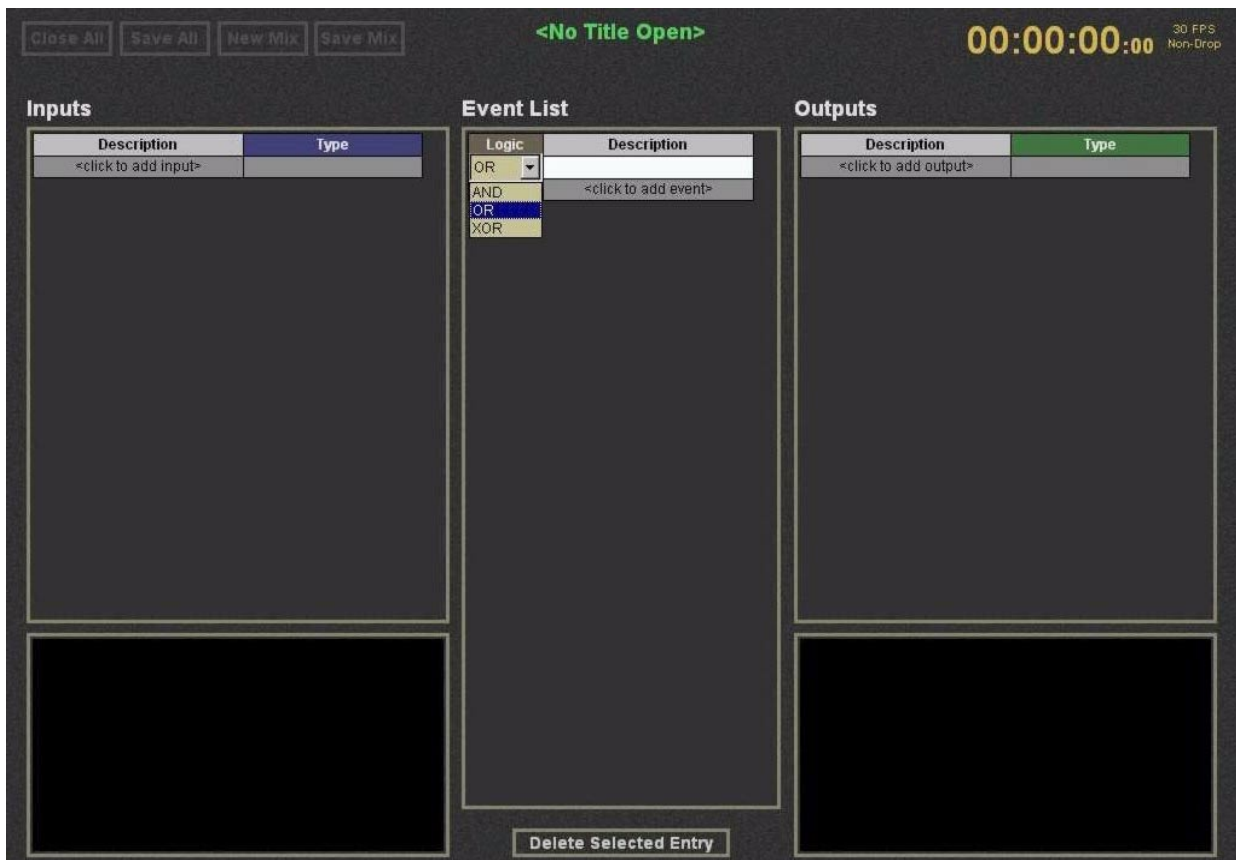


Figure 2



3. From the **Inputs** section, click <click to add input>.

The Add Input Event dialog opens.



Figure 3

4. Select **GPI** from the **Input Types** dropdown menu.
5. Configure the lower area of the **Input** section to the following settings:



Figure 4

6. From the **Output** section, click <click to add output event>.

The Add Output Event dialog opens.

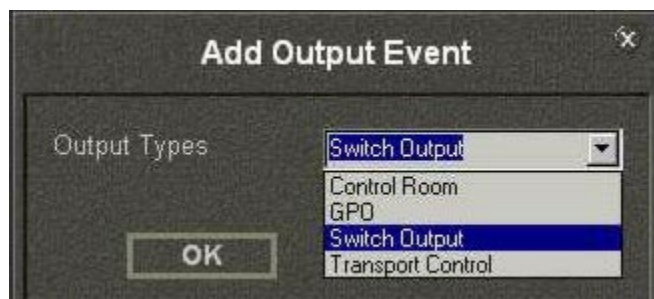


Figure 5

7. Select **Switch Output** from the **Output Type** dropdown menu.



8. Configure the lower area of the **Output** section to the following settings:

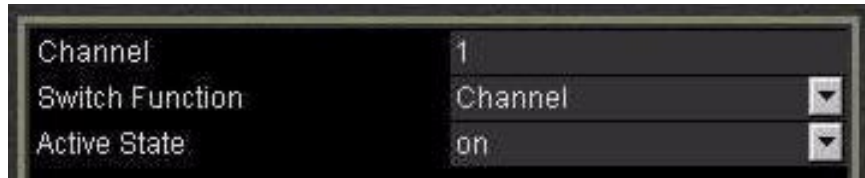


Figure 6

This turns channel 1 on when camera 1 is selected by the video switcher.

9. Repeat Steps 6–7 to create additional output events to mute channels 2–4 but use the following settings instead of those depicted in Step 8:

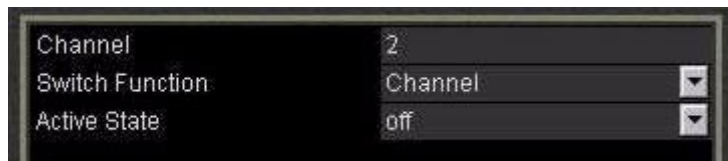


Figure 7

Figure 7 shows Channel 2’s settings; each channel uses its own number but **Switch Function = Channel** and **Active State = off** for each.

So far, you have achieved the following functionality: when the video switcher selects camera 1, System 5’s channel 1 turns on and channels 2–4 mute.

Repeat the steps above to program channel 2 to turn on when the video switcher selects camera 2 and mute channels 1, 3, and 4. Each tally input requires a discrete connection at the GP 132.

Figure 8 shows the Events window after the process is complete.

Inputs

Description	Type
take camera 4	GP Input
<click to add input>	

Input Number	4
Active State	on
Machine	GP132 One

Event List

Logic	Description
OR	camera 1/ mic 1
OR	camera 2/ mic 2
OR	camera 3/ mic 3
OR	camera 4/ mic 4
	<click to add event>

Delete Selected Entry

Outputs

Description	Type
chan 1	Output Switch
chan 2	Output Switch
chan 3	Output Switch
chan 4	Output Switch
<click to add output>	

Channel	4
Switch Function	Channel
Active State	on

Figure 8