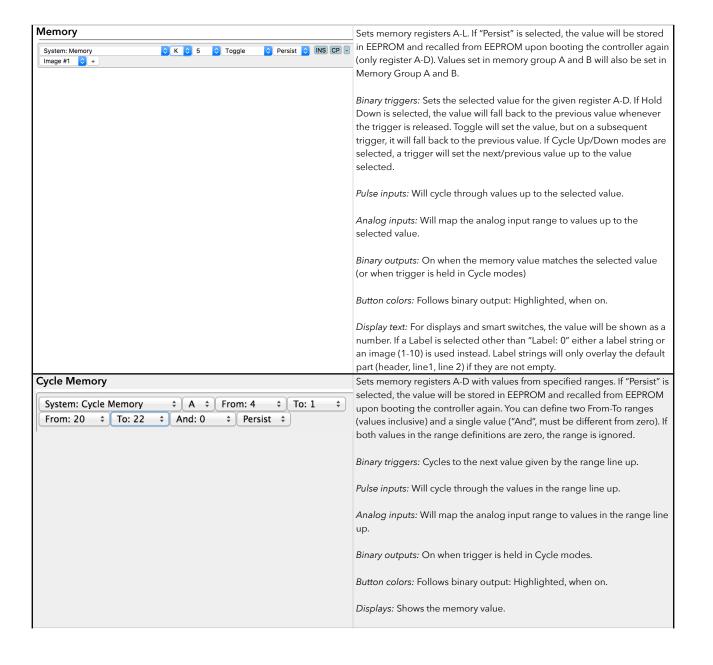
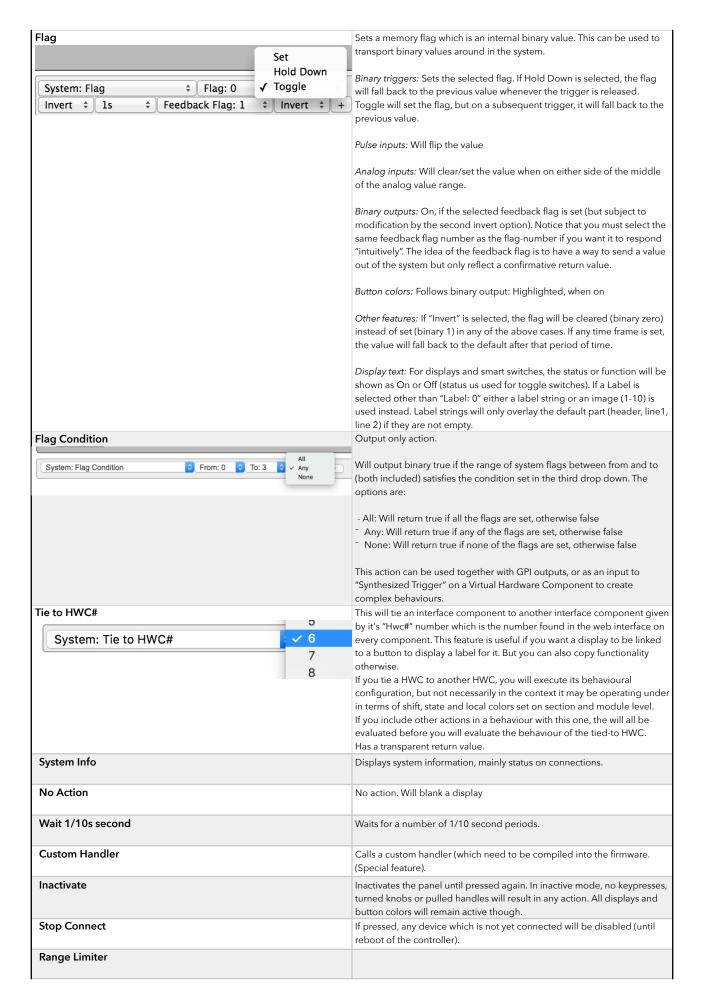
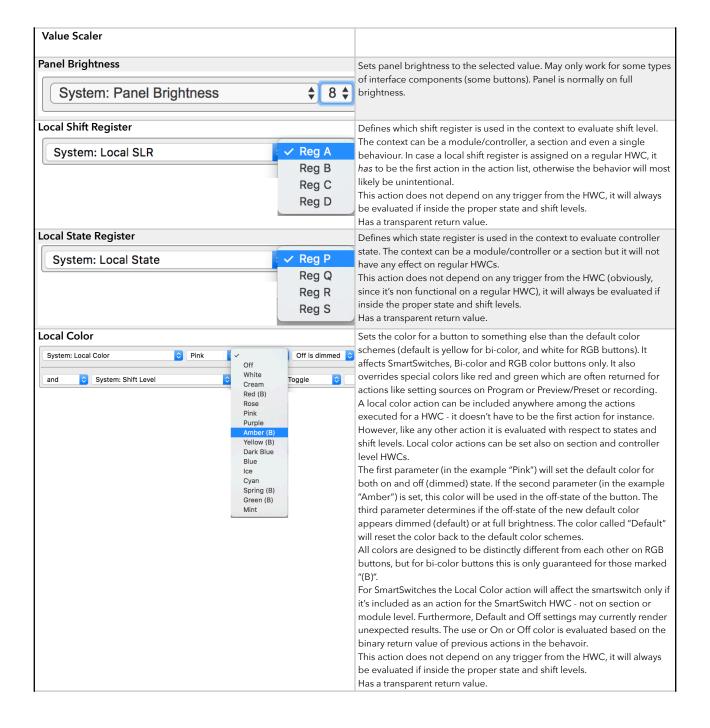
# System Actions

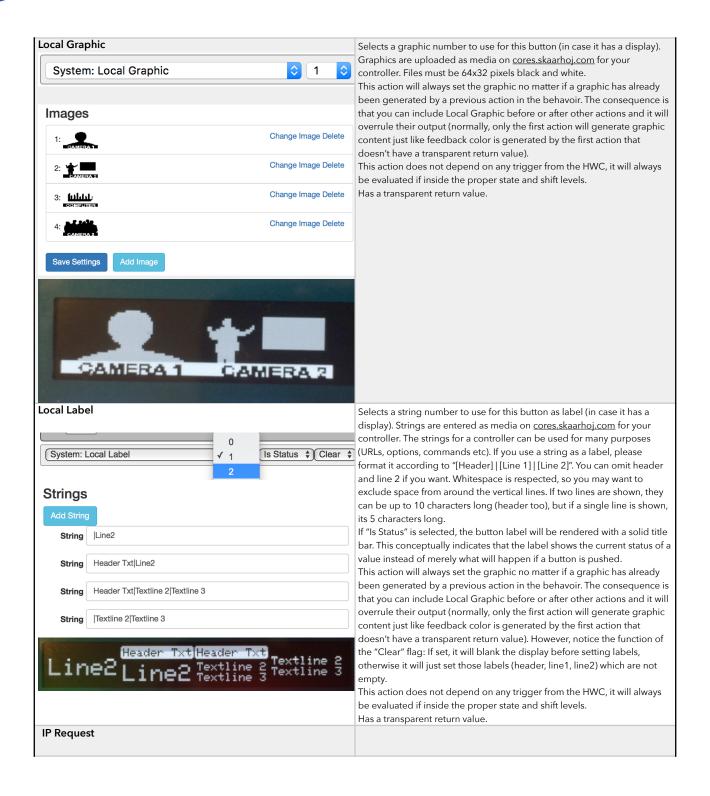
This is a table of system actions available for any UniSketch powered SKAARHOJ controller:

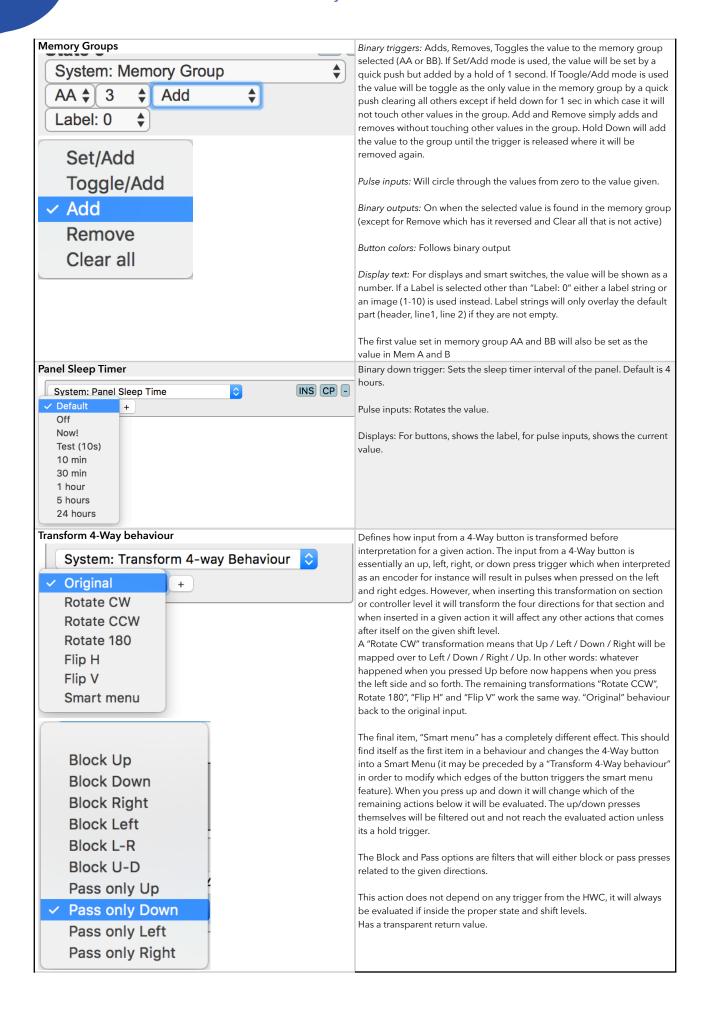


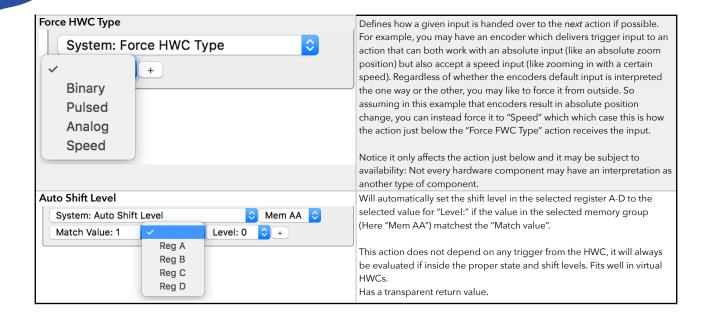










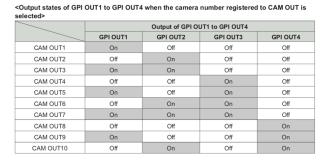


## System Actions and Virtual HWCs

Virtual HWCs such as Controller, Module and Section elements will receive an actDown trigger the first time the behaviour is ever evaluated. This allows you to place system actions such as setting a flag, state, shift level or similar in a virtual HWC and have it set to a particular value when the controller boots.

## Triggering Actions from Binary Inputs

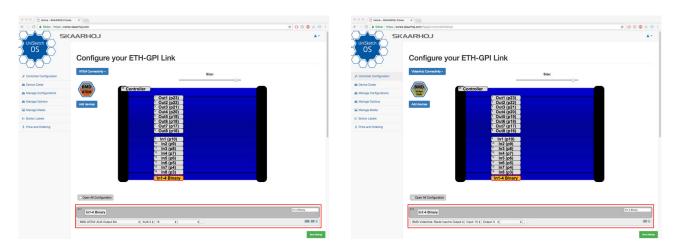
Some of our products such as the ETH-GPI Link have a option to interpret binary inputs. This is used in cases where one would like to have routing control or the like from a device such as the Panasonic AW-RP50 or the AW-RP120 PTZ controller.



Example of Tally output from the manual of the Panasonic AW-RP120

#### **Fixed Routing**

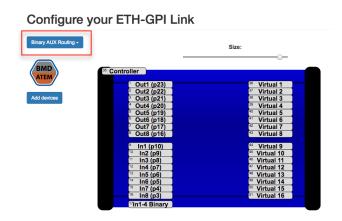
The two below examples shows how a configuration should be made to trigger ATEM AUX routing our Blackmagic Design VideoHub routing. In these cases the routing is fixed so CAM1 from the AW-RPx will always correspond to CAM1 in the ATEM and Input1 in the VideoHub.



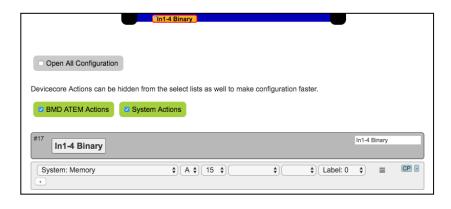
#### **Flexible Routing**

In some cases it is not desired to have the fixed coloration between CAM1 on the AW-RPx and CAM1/Input1 on the ATEM/VideoHub. The guide below explains how you achieve your desired routing.

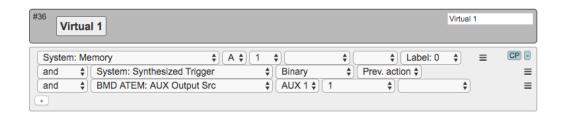
Use the default configuration "Binary AUX Routing"



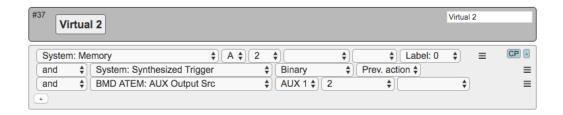
The "In1-4 Binary" is set to "System: Memory A". This will generate a memory parameter, A, in UniSketch which we will use to do our routing. If CAM1 is selected on the AW-RPx the memory parameter will be A=1, if CAM2 is selected it is A=2 and so forth.



Now we will utilise the Virtual Hardware Components called "Virtual 1" and use the command "System: Synthesized Trigger" to trigger a action. In this case we set it to source 1 for AUX 1 on the ATEM. But you could as well do it for a different source or a entirely different action such as routing on a Blackmagic VideoHub or a AJA Kumo Router.



The same procedure is followed for "Virtual 2. Again you can leave the routing as it is, or you can alter the AUX routing or select a entirely different action.



And then you continue to configure the routing you would like.

You do not need to configure different Virtual Hardware Components - more commands can be assigned to just one like illustrated below. However for the sake of overview and to avoid making mistakes using individual Virtual Hardware Components can be recommended.

