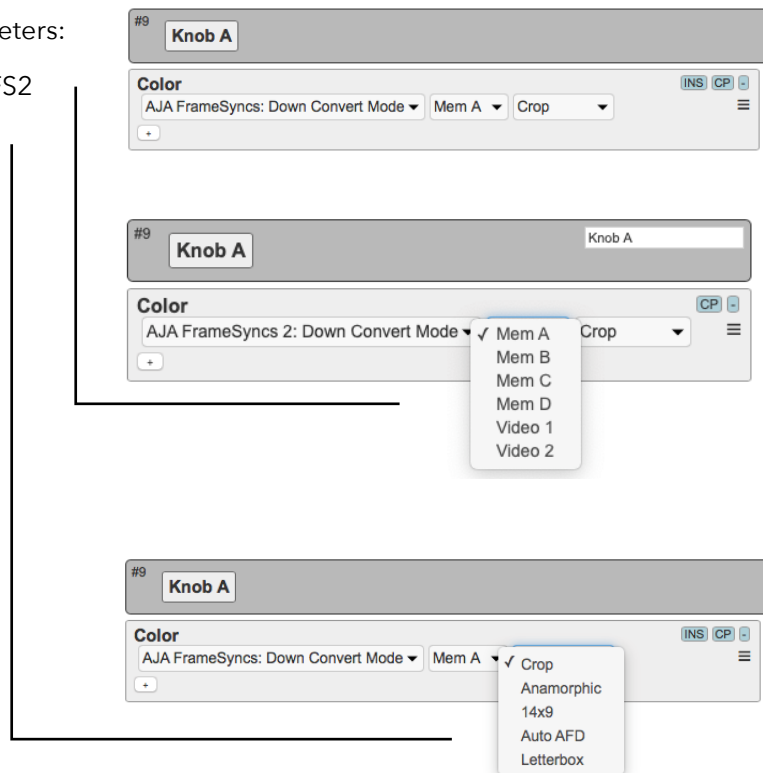


A action is typically build up of two parameters:

- Selection of the Video Channel on the FS2
- Selection of a specific value if it exists



This is a overview of the actions implemented in the Device Core

- ✓ AJA FrameSyncs 2: Input
- AJA FrameSyncs 2: Loss of input
- AJA FrameSyncs 2: Output Format
- AJA FrameSyncs 2: SD Aspect Ratio
- AJA FrameSyncs 2: Up Convert Mode
- AJA FrameSyncs 2: Down Convert Mode
- AJA FrameSyncs 2: Custom Size/Pos
- AJA FrameSyncs 2: Custom Size
- AJA FrameSyncs 2: Custom Aspect
- AJA FrameSyncs 2: Custom Position
- AJA FrameSyncs 2: Region of Interest
- AJA FrameSyncs 2: ROI
- AJA FrameSyncs 2: Test Pattern Gen
- AJA FrameSyncs 2: Test Pattern Type
- AJA FrameSyncs 2: ProcAmp Enable
- AJA FrameSyncs 2: Color Corrector
- AJA FrameSyncs 2: ProcAmp Settings
- AJA FrameSyncs 2: Gain
- AJA FrameSyncs 2: Black
- AJA FrameSyncs 2: Gamma
- AJA FrameSyncs 2: Video Legalizer
- AJA FrameSyncs 2: Video Legalizer Settings
- AJA FrameSyncs 2: Freeze Output
- AJA FrameSyncs 2: Fan Speed
- AJA FrameSyncs 2: Output Frame Rate
- AJA FrameSyncs 2: Genlock Source
- AJA FrameSyncs 2: HDMI RGB Range
- AJA FrameSyncs 2: Preset
- AJA FrameSyncs 2: Audio Input Map
- AJA FrameSyncs 2: Embedded Audio Out
- AJA FrameSyncs 2: Audio Follow Video
- AJA FrameSyncs 2: Audio Signal Gen
- AJA FrameSyncs 2: Audio Delay

The Actions are divided by using the control categories from the Frame Sync.

| |
|--|
| ✓ AJA FrameSyncs 2: Input |
| AJA FrameSyncs 2: Loss of input |
| AJA FrameSyncs 2: Output Format |
| AJA FrameSyncs 2: SD Aspect Ratio |
| AJA FrameSyncs 2: Up Convert Mode |
| AJA FrameSyncs 2: Down Convert Mode |
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| AJA FrameSyncs 2: Test Pattern Gen |
| AJA FrameSyncs 2: Test Pattern Type |
| AJA FrameSyncs 2: ProcAmp Enable |
| AJA FrameSyncs 2: Color Corrector |
| AJA FrameSyncs 2: ProcAmp Settings |
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| AJA FrameSyncs 2: Video Legalizer Settings |
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| AJA FrameSyncs 2: Fan Speed |
| AJA FrameSyncs 2: Output Frame Rate |
| AJA FrameSyncs 2: Genlock Source |
| AJA FrameSyncs 2: HDMI RGB Range |
| AJA FrameSyncs 2: Preset |
| AJA FrameSyncs 2: Audio Input Map |
| AJA FrameSyncs 2: Embedded Audio Out |
| AJA FrameSyncs 2: Audio Follow Video |
| AJA FrameSyncs 2: Audio Signal Gen |
| AJA FrameSyncs 2: Audio Delay |

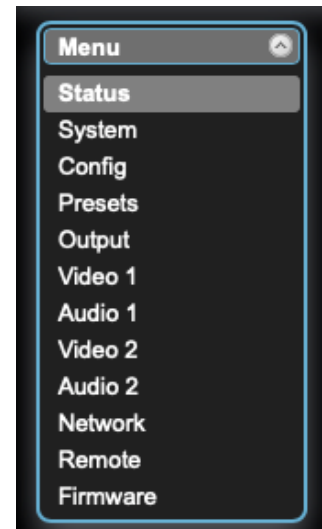
Status - Video 1-2

Status - Config

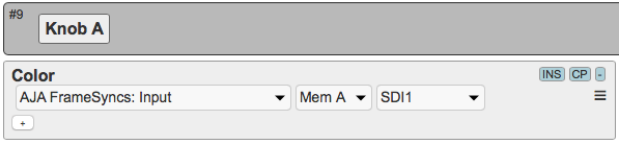
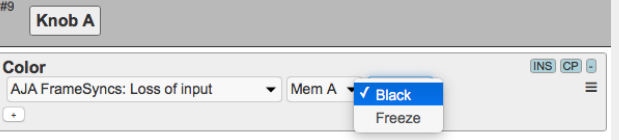
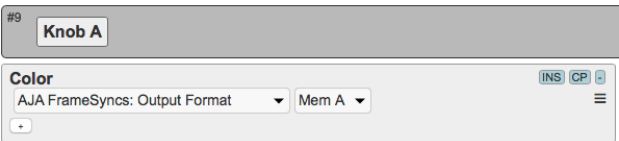
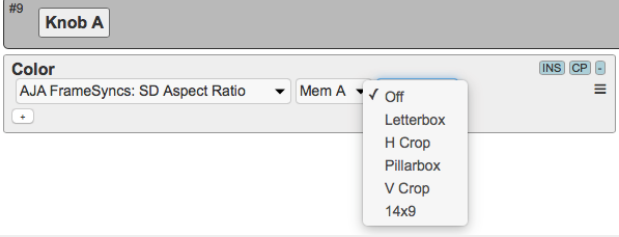
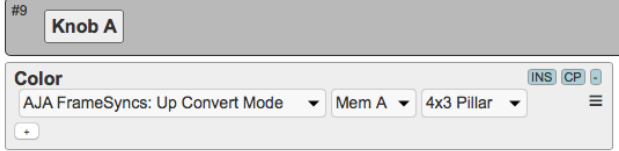
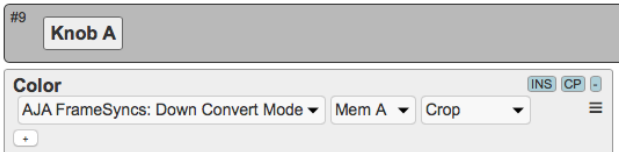
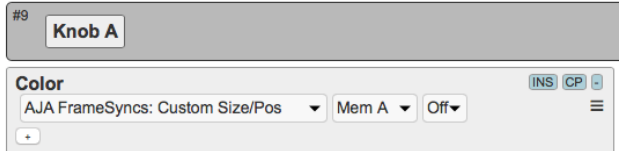
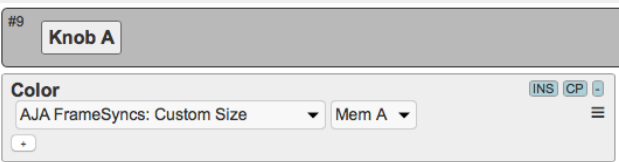
Status - System

Status - Presets

Status - Audio 1-2



This is a table of actions for AJA FS2 Device Core

| | |
|---|---|
| <p>Input</p>  | <p>Routes input to the selected Channel</p> <p><i>Binary triggers:</i> Sets the selected input to the selected channel.</p> <p><i>Pulse inputs:</i> Will cycle through the Inputs for the selected channel.</p> <p><i>Displays:</i> "Input/Input x"</p> |
| <p>Loss of input</p>  | <p>Selects option for Loss of input</p> <p><i>Binary triggers:</i> Sets the selected mode for loss of input.</p> <p><i>Pulse inputs:</i> Will cycle through options for loss of input</p> <p><i>Displays:</i> "In Loss/mode"</p> |
| <p>Output Format</p>  | <p>Selects Output Format</p> <p><i>Binary triggers:</i> Not implemented</p> <p><i>Pulse inputs:</i> Will cycle through options for Output Format</p> <p><i>Displays:</i> "Output/Format"</p> |
| <p>SD Aspect Ratio</p>  | <p>Selects SD Aspect Ratio</p> <p><i>Binary triggers:</i> Sets the selected SD Aspect Ratio</p> <p><i>Pulse inputs:</i> Will cycle through options for Aspect Ratio</p> <p><i>Displays:</i> "SD Aspect/mode"</p> |
| <p>Up Convert Mode</p>  | <p>Selects Up Convert Mode</p> <p><i>Binary triggers:</i> Sets the selected Up Convert Mode</p> <p><i>Pulse inputs:</i> Will cycle through options for Convert Mode</p> <p><i>Displays:</i> "Up Conv/mode"</p> |
| <p>Down Convert Mode</p>  | <p>Selects Down Convert Mode</p> <p><i>Binary triggers:</i> Sets the selected Down Convert Mode</p> <p><i>Pulse inputs:</i> Will cycle through options for Convert Mode</p> <p><i>Displays:</i> "Dn Conv/mode"</p> |
| <p>Custom Size/Pos</p>  | <p>Turn off/on Custom Size/Position</p> <p><i>Binary triggers:</i> Sets Custom Size/Postion to on/off</p> <p><i>Pulse inputs:</i> Will cycle through on/off for Custom Size/Pos</p> <p><i>Displays:</i> "Cust S/P/mode"</p> |
| <p>Custom Size</p>  | <p>Sets the Custom Size</p> <p><i>Binary triggers:</i> Not implemented</p> <p><i>Pulse inputs:</i> Will set the custom size</p> <p><i>Displays:</i> "Cust Size/%"</p> |

Custom Aspect

#9 Knob A

Color
AJA FrameSyncs: Custom Aspect Mem A INS CP

Sets the Custom Aspect

Binary triggers: Not implemented

Pulse inputs: Will set the custom aspect

Displays: "Cust Asp/%"

Custom Postion

#9 Knob A

Color
AJA FrameSyncs: Custom Position Mem A H V INS CP

Sets the Custom Position for either H or V

Binary triggers: Not implemented

Pulse inputs: Will set the custom position for H or V

Displays: "CustPos H/%" or "CustPos V/%"

Region of Interest

#9 Knob A

Color
AJA FrameSyncs: Region of Interest Mem A Off Setup On Square On Full INS CP

Sets the Region of Interest

Binary triggers: Sets Region of Interest. If Toggle is selected it will toggle between "Off" and the selected option.

Pulse inputs: Will cycle through options for Region of Interest

Displays: "ROI Mode/mode"

ROI

#9 Knob A

Color
AJA FrameSyncs: ROI Mem A Left Right Top Bottom INS CP

Sets the ROI parameters

Binary triggers: Not implemented

Pulse inputs: Will cycle through the selected ROI parameter

Displays: "ROI Left/%", "ROI Right/%", "ROI Top/%", "ROI Bottom/%"

Test Pattern Gen

#9 Knob A

Color
AJA FrameSyncs: Test Pattern Gen Mem A Off INS CP

Controls the Test Pattern Generator

Binary triggers: Sets the generator to on or off

Pulse inputs: Will cycle through on/off

Displays: "Test Gen/mode"

Test Pattern Type

#9 Knob A Knob A

Color
AJA FrameSyncs 2: Test Pattern Type Mem A 100% Bars 75% Bars Ramp Multiburst Flat Field Black INS CP

Controls the Test Pattern Type

Binary triggers: Sets the type to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "Test Ptrn/mode"

ProcAmp Enable

#9 Knob A

Color
AJA FrameSyncs: ProcAmp Enable Mem A Off INS CP

Sets ProcAmp to on or off

Binary triggers: Sets ProcAmp to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "ProcAmp/mode"

Color Corrector

#9 Knob A

Color
AJA FrameSyncs: Color Corrector Mem A Off INS CP

Sets Color Corrector to on or off

Binary triggers: Sets Color Corrector to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "ColorCorr/mode"

ProcAmp Settings

Controls the 4 ProcAmp values

Binary triggers: Not implemented

Pulse inputs: Will cycle the selected ProcAmp parameter

Displays: "Gain/value", "Black/value", "Hue/value", "Sat/value"

For "Gain" + "Black"

Analog inputs - Gain: Set the value between 0-1.5

Analog inputs - Black: Set the value between -20 - +20

Gain

Controls the Color Corrector Gain RGB Values

Binary triggers: Not implemented

Pulse inputs: Will cycle the selected RGB Gain value

Displays: "Gain R/value", "Gain G/value", "Gain B/value"

Black

Controls the Color Corrector Black RGB Values

Binary triggers: Not implemented

Pulse inputs: Will cycle the selected RGB Black value

Displays: "Black R/value", "Black G/value", "Black B/value"

Black

Controls the Color Corrector Gamma RGB Values

Binary triggers: Not implemented

Pulse inputs: Will cycle the selected RGB Gamma value

Displays: "Gamma R/value", "Gamma G/value", "Gamma B/value"

Video Legalizer

Sets the Video Legalizer to on or off

Binary triggers: Sets the Video Legalizer to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "Legalizer/mode"

Video Legalizer Settings

Controls the Video Legalizer Settings

Binary triggers: Not implemented

Pulse inputs: Will cycle through the selected values

Displays: "LegWhite/value", "LegBlack/value", "LegChroma/value"

Freeze Output

Controls the mode for Freeze Output

Binary triggers: Sets the Freeze Output to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "Freeze/mode"

Fan Speed

Controls the Fan Speed

Binary triggers: Not implemented

Pulse inputs: Will cycle Fan Speeds

Displays: "Fan Speed/value"

Output Frame Rate

Controls the global Output Frame Rate

Binary triggers: Sets the Output Frame Rate to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "FrameRate/mode"

Genlock Source

Controls the global Genlock Source

Binary triggers: Sets the Genlock Source to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "GenLokSrc/mode"

HDMI RGB Range

Controls the HDMI RGB Range

Binary triggers: Sets the HDMI RGB Range to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "HDMIRGBRA/mode"

Presets

Controls the Presets on the FS. Select between 40 Presets and the Factory Default

Binary triggers: If "Recall/Set" - press and hold will perform a Preset Set
A single press will recall the preset
If "Set" a single press will save the preset
If "Recall" a single press will recall the preset

Pulse inputs: Not implemented

Displays:
If "Recall/Set" "Preset/no"
If "Set" "Set/no"
If "Recall" "Recall/no"

Audio Input Map

Controls the Audio Input Mapping

Binary triggers: Sets the Audio Embedding Mapping to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "Aud.Input/mode"

Embedded Audio Out

Controls the Embedded Audio Out

Binary triggers: Sets the Audio Embedding Out to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "Emb.Audio/mode"

Audio Follow Video

Controls the Audio Follow Video mode

Binary triggers: Sets the Audio Follow Video to the chosen mode

Pulse inputs: Will cycle through the modes

***Displays:* "Aud.Follow/mode"**

Audio Signal Gen

#9 Knob A Knob A

Color

AJA FrameSyncs 2: Audio Signal Gen

Mem A

☒ Off
☐ 400Hz
☐ 1khz

INS CP

Controls the Audio Signal Generator

Binary triggers: Sets the Audio Signal Generator to the chosen mode

Pulse inputs: Will cycle through the modes

Displays: "Aud.Input/mode"

Audio Delay

#9 Knob A Knob A

Color

AJA FrameSyncs 2: Audio Delay

Mem A

INS CP

Controls the Audio Delay

Binary triggers: Sets the Audio Delay for the chosen Audio Channel

Pulse inputs: Will cycle the Audio Delay

Displays: "Aud.Input/mode"