Device: AJA FS4



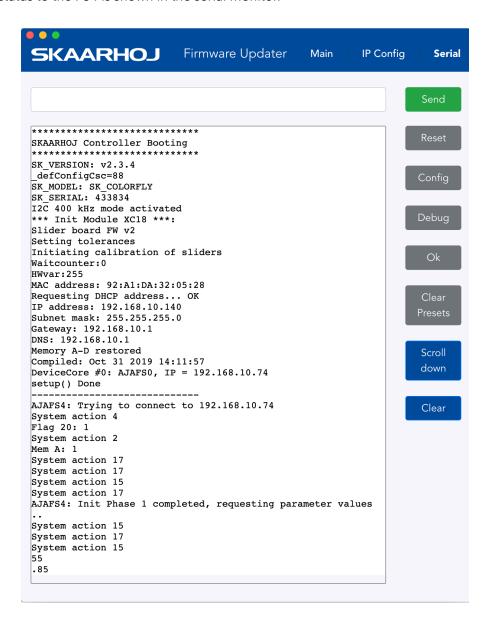
Introduction

A number of parameters on the AJA FS4 frame synchronizer can be controlled from a SKAARHOJ control panel. The complete feature set is not implemented but a large variety of actions can be found. This document gives you an overview of possible control parameters.

The implementation have been done on a FS4 with Software Version 1.3.0.15.

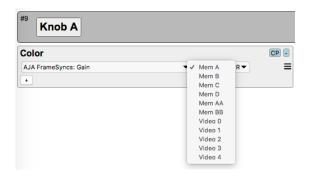
Connection

Connection status to the FS4 is shown in the serial monitor.



Mapping of Channels

From the same panel it is possible to control the 4 different 2K/HD/SD channels and switch between these on the fly. Alternatively if the FS4 is in 4K/UltraHD mode just 1 channel is possible to control. When relevant the channel for Actions on the FS4 Device Core can be set to Mem A-D, Mem AA-BB or Video 0-4. In the default configurations you will often find this set to Mem A so the different channels can be controlled on the fly by changing the Memory Parameter A to values between 0 to 4 elsewhere on the panel. The mapping between the Memory A and channels are shown below.



Mem A = 0 = Video 0 (this is used in 4K/UltraHD mode)

Mem A = 1 = Video 1 = Channel Video 1

Mem A = 2 = Video 2 = Channel Video 2

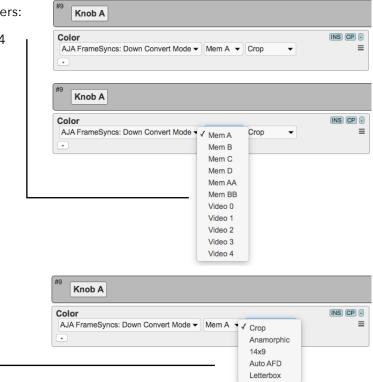
Mem A = 3 = Video 3 = Channel Video 3

Mem A = 4 = Video 4 = Channel Video 4

A action is typically build up of two parameters:

Selection of the Video Channel on the FS4

- Selection of a specific value if it exists



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

AJA FS4: Input

AJA FS4: Loss of input

AJA FS4: Output Format

AJA FS4: SD Aspect Ratio

AJA FS4: Up Convert Mode

AJA FS4: Down Convert Mode

AJA FS4: Custom Size/Pos

AJA FS4: Custom Size

AJA FS4: Custom Aspect

AJA FS4: Custom Position

AJA FS4: Region of Interest

AJA FS4: ROI

AJA FS4: Test Pattern Gen

AJA FS4: Test Pattern Type

AJA FS4: ProcAmp Enable

AJA FS4: Color Corrector

AJA FS4: ProcAmp Settings

✓ AJA FS4: Gain

AJA FS4: Black

AJA FS4: Gamma

AJA FS4: Video Legalizer

AJA FS4: Video Legalizer Settings

AJA FS4: Freeze Output

AJA FS4: Fan Speed

AJA FS4: Output Frame Rate

AJA FS4: Genlock Source

AJA FS4: Mon 2K Crop

AJA FS4: HDMI RGB Range

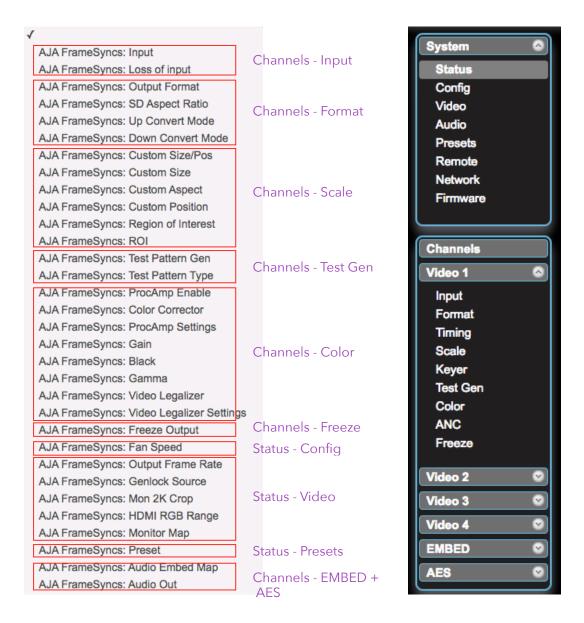
AJA FS4: Monitor Map

AJA FS4: Preset

AJA FS4: Audio Embed Map

AJA FS4: Audio Out

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



This is a table of actions for AJA FS4 Device Core

