

Device: AJA FS1-X



Introduction

A number of parameters on the AJA FS1-X frame synchronizer can be controlled from a SKAARHOJ control panel. The complete feature set is not implemented but a variety of actions can be found. This document gives you an overview of possible control parameters.

The implementation have been done on a FS1-X with Software Version 1.1.2.47.

Connection

Due to the amount of information on the FS1-X a connection time is approximately 10 seconds. Connection status is shown in the serial monitor.

When a SKAARHOJ device have successfully connected to the FS1-X the serial monitor will report:

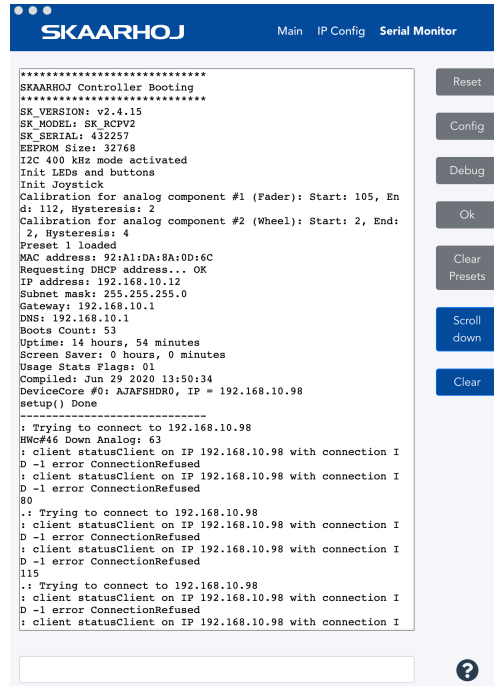
 The screenshot shows the SKAARHOJ web interface with the 'Serial Monitor' tab selected. The main area displays a log of system boot and connection messages. On the right, there are buttons for 'Reset', 'Config', 'Debug', 'Ok', 'Clear Presets', 'Scroll down', and 'Clear'. At the bottom, there is a text input field and a question mark icon.


```

*****
SKAARHOJ Controller Booting
*****
SK_VERSION: v2.4.15
SK_MODEL: SK_RCPV2
SK_SERIAL: 432257
EEPROM Size: 32768
I2C 400 kHz mode activated
Init LEDs and buttons
Init Joystick
Calibration for analog component #1 (Fader): Start: 105, End: 112, Hysteresis: 2
Calibration for analog component #2 (Wheel): Start: 2, End: 2, Hysteresis: 4
Preset 1 loaded
MAC address: 92:A1:DA:8A:0D:6C
Requesting DHCP address... OK
IP address: 192.168.10.12
Subnet mask: 255.255.255.0
Gateway: 192.168.10.1
DNS: 192.168.10.1
Boots Count: 50
Uptime: 14 hours, 51 minutes
Screen Saver: 0 hours, 0 minutes
Usage Stats Flags: 01
Compiled: Jun 29 2020 13:50:34
DeviceCore #0: AJAFSHDR0, IP = 192.168.10.96
setup() Done

-----
: Trying to connect to 192.168.10.96
HWc#46 Down Analog: 63
Added Channel 1 to IP 192.168.10.96
Added Channel 2 to IP 192.168.10.96
192.168.10.96: Init Phase 1 completed, requesting parameter values..
46
.66
.72
.111
.110
.109
.111
.111
.aja-fs1-x: Init completed!
108
.106
  
```

If the SKAARHOJ device are unable to locate the FS1-X on the network the serial monitor will report:



Device Core Details

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

- AJA FS1-X: ProcAmp Enable
- AJA FS1-X: ProcAmp Settings
- AJA FS1-X: Color Corrector
- AJA FS1-X: CC Gain
- AJA FS1-X: CC Black
- AJA FS1-X: CC Gamma

This is a table of actions for AJA FS1-X Device Core

<p>ProcAmp Enable</p> <p>AJA FS1-X: ProcAmp Enable Video 1 Off On</p> <p>ProcAmp Settings</p> <p>AJA FS1-X: ProcAmp Settings Video 1 Gain Black Hue Saturation</p>	<p>Sets ProcAmp to on or off</p> <p><i>Binary triggers:</i> Sets ProcAmp to the chosen mode</p> <p><i>Pulse inputs:</i> Will cycle through the modes</p> <p><i>Displays:</i> "ProcAmp/mode"</p> <p>Controls the 4 ProcAmp values</p> <p><i>Binary triggers:</i> Not implemented</p> <p><i>Pulse inputs:</i> Will cycle the selected ProcAmp parameter</p> <p><i>Displays:</i> "Gain/value", "Black/value", "Hue/value", "Sat/value"</p> <p>For "Gain" + "Black"</p> <p><i>Analog inputs - Gain:</i> Set the value between 0-1.5</p> <p><i>Analog inputs - Black:</i> Set the value between -20 - +20</p>
<p>Color Corrector</p> <p>AJA FS1-X: Color Corrector Video 1 Off On</p>	<p>Sets Color Corrector to on or off</p> <p><i>Binary triggers:</i> Sets Color Corrector to the chosen mode</p> <p><i>Pulse inputs:</i> Will cycle through the modes</p> <p><i>Displays:</i> "ColorCorr/mode"</p> <p>Controls the Color Corrector Gain RGB Values</p>
<p>CC Gain</p> <p>AJA FS1-X: CC Gain Video 1 R G B</p>	<p><i>Binary triggers:</i> Not implemented</p> <p><i>Pulse inputs:</i> Will cycle the selected RGB Gain value</p> <p><i>Displays:</i> "Gain R/value", "Gain G/value", "Gain B/value"</p>
<p>CC Black</p> <p>AJA FS1-X: CC Black Video 1 R G B</p>	<p>Controls the Color Corrector Black RGB Values</p> <p><i>Binary triggers:</i> Not implemented</p> <p><i>Pulse inputs:</i> Will cycle the selected RGB Black value</p> <p><i>Displays:</i> "Black R/value", "Black G/value", "Black B/value"</p>
<p>CC Gamma</p> <p>AJA FS1-X: CC Gamma Video 1 R G B</p>	<p>Controls the Color Corrector Gamma RGB Values</p> <p><i>Binary triggers:</i> Not implemented</p> <p><i>Pulse inputs:</i> Will cycle the selected RGB Gamma value</p> <p><i>Displays:</i> "Gamma R/value", "Gamma G/value", "Gamma B/value"</p>