SDI-B4 Link Upgrade Instructions

Background

Normally a firmware upgrade of the SDI-B4 Link are not necessary, however with the release of Blackmagic ATEM Software Control panel v. 7.4 (and newer), the protocol of the iris command was changed. The firmware in the SDI-B4 Link needs to be updated in order to accept this new command.

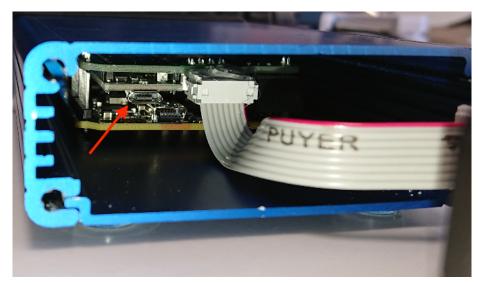
Access to USB micro plug

On the SDI-B4 Link units, a micro usb plug for upgrading purposes is located inside the enclosure. In order to gain access to it, one side panel must be removed:



Step 1:

Remove the four screws on the panel with the lens connector:



Step 2:

Carefully slide the end panel off, and move it to the side.

Connect a micro usb cable to the plug indicated by the arrow on the picture, and to a computer. A small blue LED will light up.

SKAARHOJ SDI-B4 Link FW Upgrade

Firmware Update

- Download and install our Firmware Updater Application for Mac or PC: <u>https://www.skaarhoj.com/</u> <u>support/firmware-updater/ (Version 2.4.1 or higher is required)</u>
- Download the .hex firmware (SDI-B4 Link V1.1) file on https://www.skaarhoj.com/support/firmware-updater/ under the section "Standalone Firmwares", "SDI-B4 Link"
- Open Firmware Updater Application
- Select "Load firmware from file" in the Options tab and select the downloaded .hex file
- Wait for the Firmware Updater Application to state "Firmware successfully updated!"
- Disconnect the USB cable and reassemble the SDI-B4 Link

SKAARHOJ App File	e Edit Optio	ns Help	_	
• • • • •		d firmware from file w Log	Step 1	
SKAARHC		w Log	Select "Lo	ad firmware from file"
Port: usbmodem14241	C	Check for updates Online configuration Local Configuration IP Configuration		
Open serial monitor				
E C E E E	⊇ ∰ v Dow Name SDI-B4-Link_s		C Search Kind 39 KB Document	Step 2 Select the .hex firmware file
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SKAARH	LO		Step	
Port:				for "Firmware successfully updated!
usbmodem14241		Check for updates	mess	aye
		Online configuration		
		Local Configuration		
		IP Configuration		
Firmware successfu			-	

SKAARHOJ SDI-B4 Link FW Upgrade

Troubleshooting

A succesfull firmware update will look like this in the log file.

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[2018-09-04 11:06:21]		
[2018-09-04 11:06:21]	Starting SKAARHOJ Firmware Updater mac_2.4.1 for macOS	
[2018-09-04 11:06:23]	User triggered upload from file	
[2018-09-04 11:06:26]	Uploading firmware /Users/Thorup/Downloads/ <u>SDI-B4-Link_v1.1.hex</u>	
[2018-09-04 11:06:26]	Resetting device into programming mode	
[2018-09-04 11:06:27]		
[2018-09-04 11:06:27]	Identified Arduino Micro device type.	
[2018-09-04 11:06:29]	150	
[2018-09-04 11:06:29]	Avrdude terminated successfully	
[2018-09-04 11:06:35]	User opened log file	

If you experience the following two messages then make sure you are running the Firmware Updater v. 2.4.1

• • •	SKAARHOJ Firmwa	re Updater	• • •	SKAARHOJ Firmware Updater		
SKAARH	LOI		SKAAR	LOP		
Port:			Port:			
usbmodem14241	\$	Check for updates	usbmodem1424	241 ᅌ	Check for updates	
		Online configuration		(Online configuration	
		Local Configuration		(Local Configuration	
		IP Configuration			IP Configuration	
Waiting for device	to go into programmin	g mode (6)	Unable to reset d	levice into programmin	ng mode!	
Open serial mon			Open serial mo	onitor		