## 4/20/2017

The following steps may be taken to update the Backup FPGA on AKDs.



Control board

In this example the Backup FPGA version can be identified by looking for the "FPGA" section and "Resident image" alias Backup FPGA.

The coding for the backup FPGA version is as follows: "FPB00x\_yyyy\_yy\_yy", where "x" represents a certain FPGA type and "y" represents the version number. The upper number represents the most significant version number. All versions lower than "0602.00.01" are affected.

In this example the version is "0300.00.00", which is a backup FPGA version with the brake issue.



💂 Terminal

3.	Go to the main window	and click	on <b>Update</b> .				
	Start Page	Drive	Call Strive Overview				
	AKD (Opline)	V					
	A Settings	Tou are conne	ected to a drive and the communic				
	Communication				1		
	Power	Name:	AKD				
	W Regen	Device Model:	AKD-P00307-NBCC-0000				
	Motor						
	Eedback 1	Device Type:	2 - EtherCAT	Change			
	Feedback 2	Davias Stata		Faabla	A The drive is investige because		
	T Foldback	Device state.	0 - Drive mactive	Lindbie	The software enable is not activ		
	Brake	Device Display:	Blink		There is an active fault.		
	Hara Units						
	🙆 Modulo			Blink			
	Limits			🙆 Tell me mo	re		
	n Home			-	—		
	Image: View of Current Loop	Setup Wizard					
	🔟 Velocity Loop						
	N Service Motion	Less <<					
	<ul> <li>Encoder Emulation (X9 Cfg)</li> </ul>	oder Emulation (X9 Cfg) Serial Number:	R-1208-00201				
	Analog Input						
	Analog Output	Hardware Version:	D				
	Digital I/O						
	<ul> <li>Programmable Limit Switches</li> </ul>	Firmware Version:	M_01-06-00-003		Update		
	Enable/Disable	Cumulative On Time	67Dave 05:17:12		_		
	C Position Capture	cumulative On Time:	07Days 03.17.13				
	Motion Protile Lable						

- 4. Choose the correct Backup FPGA to download, which matches your drive type. Note see <u>Backup FPGA v0602 00 01.zip</u>. Click **Open**
- 5. Workbench filters the correct type matching your drive type.

In this example the drive type is **AKD-P**-00307-**NBCC**-0000, where the bold characters need to match the file name. Workbench filters the correct file to be AKD-P-NBCC-V0602-00-01-R-FPGA.i00.

Name	Date	Туре	Size
KD-P-NBCC-V0602-00-01-R-FPGA.i00	04.04.2017 10:24	I00-Datei	3.425 KB

6. Wait until Workbench has finished the download procedure.





7. Verify that the upgrade of the Backup FPGA was successful by repeating steps 2 and 3. Check that the version is 0602\_00\_01. If the version matches, the brake issue in the Backup FPGA is resolved.

FPGA		
Version	:	FP0006_0602_00_00
Operational image	:	FP0006_0602_00_00
Resident image	:	FPB006_0602_00_01
Size	:	45

