

Camera Training Center Breda The Netherlands

March 2016



Jan Paul Campman

- Your Host for this session
- Training Manager
- Trainer
- Acceptance Engineer
- Demo specialist
- Web master

- your guide for this **INTERACTIVE** session.
- Welcome to the LDX Series WEB-Training



Downloading Packages and LDX inside

This part gives you some more details about the Download procedures

And the Service tool LDX Inside

In this session:

- LDX Package update
- + LDX inside





Important:

- ◆ Please be aware that Software and Firmware are the heart of all devices.
- ◆ Errors that occur due to wrong uploadprocedures or wrong software can sensitively damage your equipment; so if you do not feel comfortable or in case you prefer to have the update done by our field service on site, Please get in touch with our local Grass Valley Service engineer who will be ready to assist you.

http://www.grassvalley.com/support/contact/broadcast





- ◆ The Scripter tool is used for downloading packages to the LDK/LDX products.
- ◆ On the camera head (LDK series) you find a RS232 connector. (not available on LDX)
- ◆ On Basestation and Controls MCP / OCP a network connection is used.
- ◆ As the systems are running with various combinations of FW and SW version we create "Packages" for all our products.
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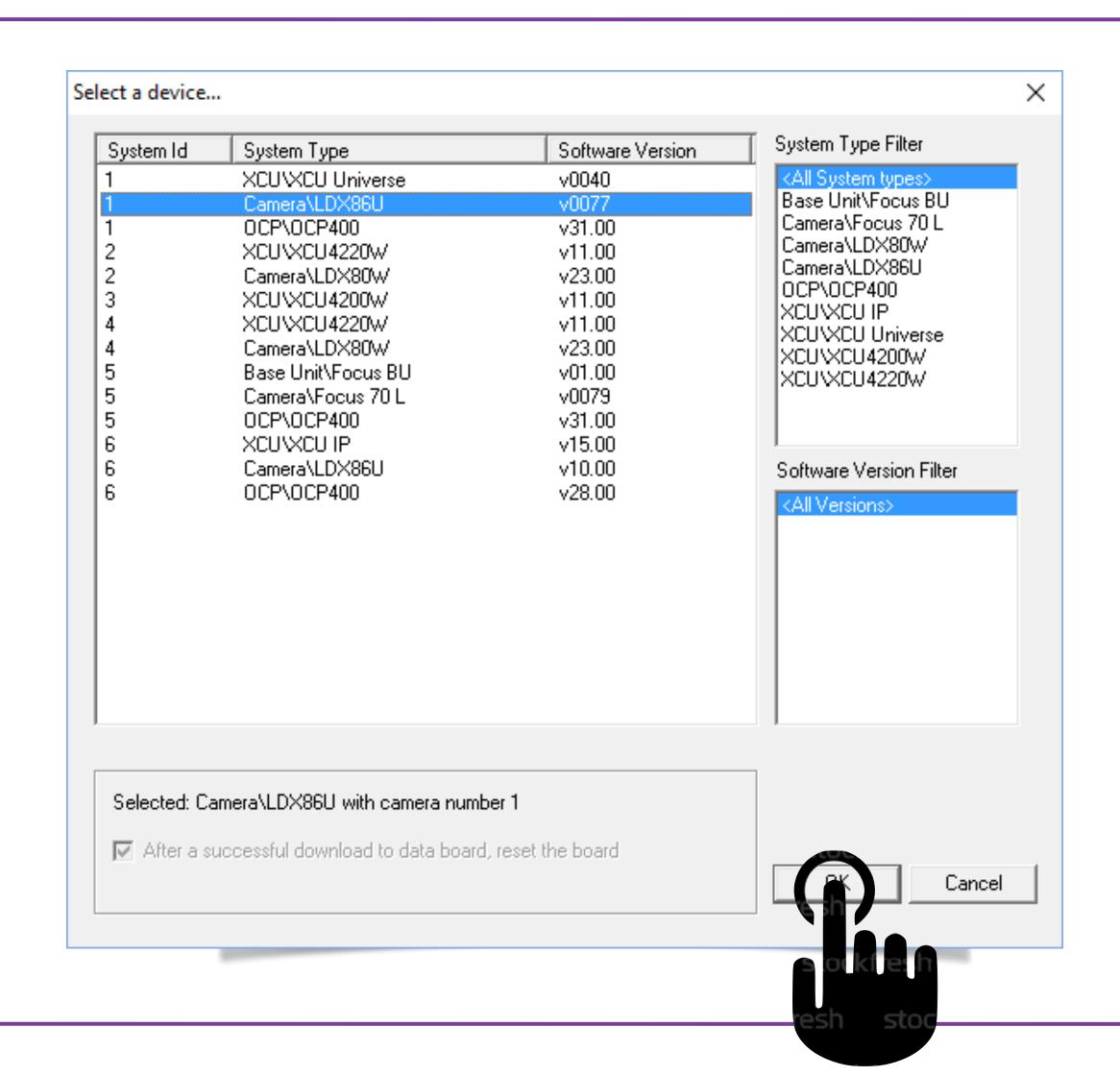


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ame	Date modified	Туре	Size	
392240760341_110_000_V00_31	25-9-14 10:57	BIN File	421 KB	
392240760771_110_000_V01_13	6-6-13 15:34	BIN File	727 KB	
392240761891_110_000_V23_00.hex	19-8-15 15:32	HEX File	6,122 KB	
392240761911_110_000_V07_09.rbf	7 7 14 13:09	RBF File	2,972 KB	
392240761921_110_000_V00_48.hex	24-7-15 11:15	HEX File	745 KB	
392240761931_110_000_V07_11.rbf	24-11-14 15:50	RRF File	3,138 KB	
392240761941_110_000_V00_42.hex	30-3-15 12:02	HEX File	575 KB	
392240761951 110 000 V20 00.rbf	23-7-15 11:35	RBF File	180 KB	
bt6190bk.125	19-8-15 15:37	125 File	1 KB	
Y Comp_Lib_Actel	5-10-12 11:07	TSC File	7 KB	
Comp_Lib_ArmAppISw	17-8-12 11:30	TSC File	5 KB	
Y Comp_Lib_ICFw	17 8 12 11:30	TSC File	4 KB	
Y Comp_Lib_ICSw	17-8-12 11:30	TSC File	23 KB	
Gomp_Lib_RCB	22-8-12 15:33	TSC File	4 KB	
Comp_Lib_Sensor_Blue	17-8-12 11:30	TSC File	3 KB	
Comp Lib Sensor Green	17-8-12 11:30	TSC File	3 KB	
甲 Comp_Lib_Sensor_Red	17-8-12 11:30	ISC File	3 KB	
⊈ Comp_Lib_VPFw	17-8-12 11:30	TSC File	4 KB	
¥ Comp_Lib_VpSw	17-8-12 11:30	TSC File	23 KB	
№ Load_Package_392240761901 👞	28-8-12 13:12	TSC File	1 KB	
Package_Content_392240761901	19-8-15 15:37	TSC File	2 KB	
Package_Content_Generic_Lib	28-8-12 13:13	TSC File	13 KB	
Package_Form_Generic.dfm	4-12 14:19	DFM File	7 KR	
Package Form Generic	25-1- 08:45	TSC File	31 KB	
부 Package_Form_Interface	28-8-12 15	ISC File	10 KR	
Package_Main_392240761901	20-3-15 09:13	TSC File	16 KB	
PCB_392240655961_RPB_Lib	22-8-12 15:34	TSC File	5 KB	
PCB_392240655971_RCB_Lib	17-8-12 11:32			
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package_LDX9020_392240761901_20	8-10-14	22:58 File fo	older	
package_LDX9020_392240761901_21	4-12-14	09:35 File fo	older	
package_LDX9020_392240761901_22		03:59 File fo	older	
package_LDX9020_392240761901_25		15:47 File fo	older	
SI2020_Package Release LDX Series C		10:47 PDF F	ile	342

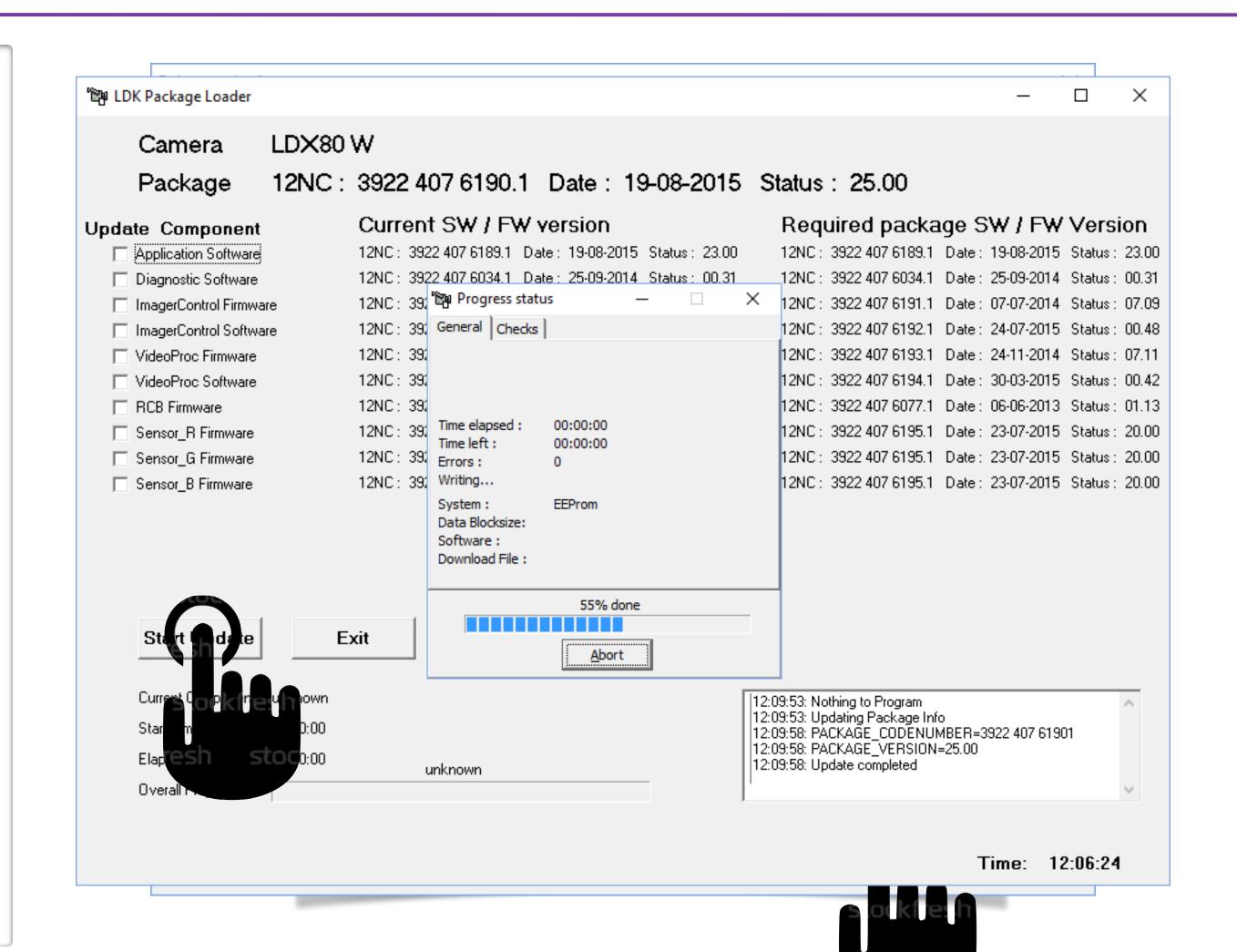


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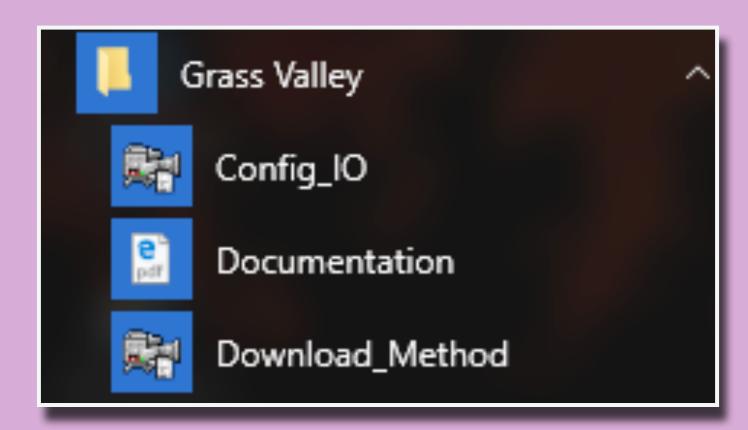
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The Scripter

- → For more details
- ◆ Use the pdf (documentation) in the Grass Valley Directory







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Overview:

- 1: What is the LDK Scripter?
- **2:** What hardware tools do I need?
- **3:** How to Install the Scripter?
- **4:** How to Setup the Scripter? Config IO

 - Download Method
- **5:** How to download (Step by Step)?
- **6:** MCP400 update.
- 7: Known issues.
- 8: RS232 cable pinning.

Conditions:

- * Windows based OS (admin rights needed)
- * Network connection (Switch + Cables)
- * RS 232 Null modem Cable (see chapter 8)
- * Service Dongle or USB RS232 adaptor. * Scripter, Package and Tools (Last versions)
- (ask local 1st line GV Service.)

1: What is LDK Scripter?

The Scripter tool is used for downloading packages to the LDK/LDX products.

On the camera head (LDK series) you find a RS232 connector. (not available on LDX)

On Basestation and Controls MCP / OCP a network connection is used.

With the additionally available GV service dongle also USB to RS232 or JTag is possible. For higher download speed a JTag connector is located on the 3G Triax Transmission board from Basestation, Adapter and Conversion box.

The Scripter program is needed to make the connection to RS232, UTP and JTag.

This program will check the package in the LDK/LDX system and if needed you can start the upgrade with the latest package.

As the systems are running with various combinations of FW and SW versions we create "Packages" for all our recent products.

A "Package" is a validated and tested official release and should always be installed completely.

There are still some products that are not using a package for software and firmware updates: SD/LDK4502/OCP400/MCP400/LDK6000

In this case there are individual software and firmware files available.

It is also possible to check the status from each LDK/LDX item with the Collect Data script (excel overview) To check the different versions of the LDK8000 it recommended to use the Package advisor script.

Download procedure



















Downloading Packages and LDX inside

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And the Service tool LDX Inside

In this session: LDX package update LDX inside





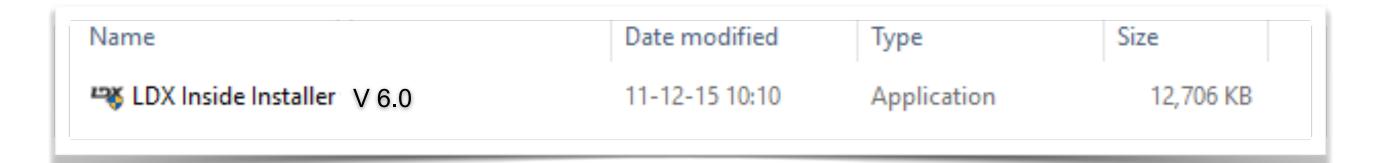
LDX Inside (V06)

For our service department LDX Inside

A tool to find problems in your LDX system.

Ready for:

- + LDX head / adaptor
- + Focus 70 / adaptor
- + BaseUnit
- + XCU
- + NOT for LDK



Install LDX inside on your computer

Start LDX inside from your computer





Windows dock

or

Desktop

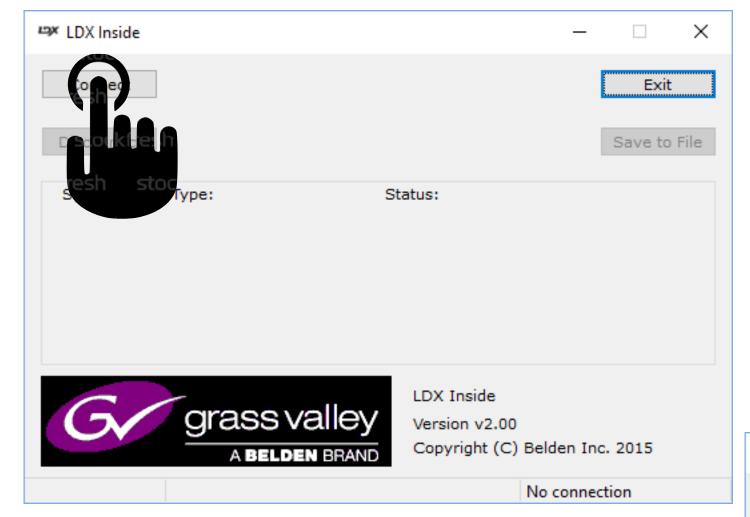


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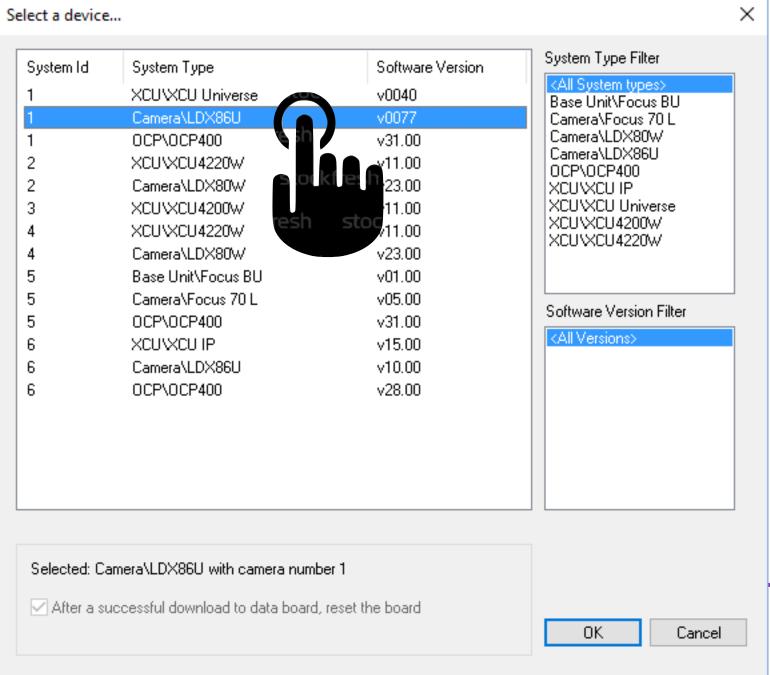
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Select item
Camera or XCU or BaseUnit



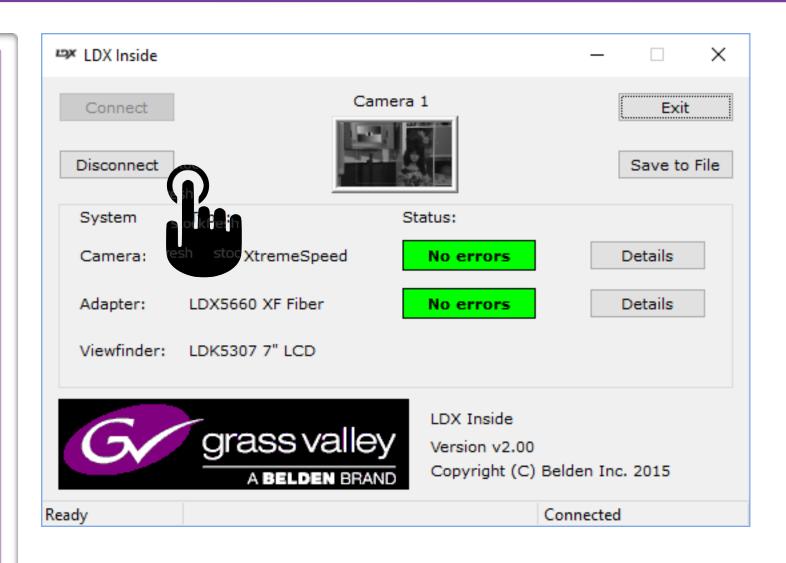


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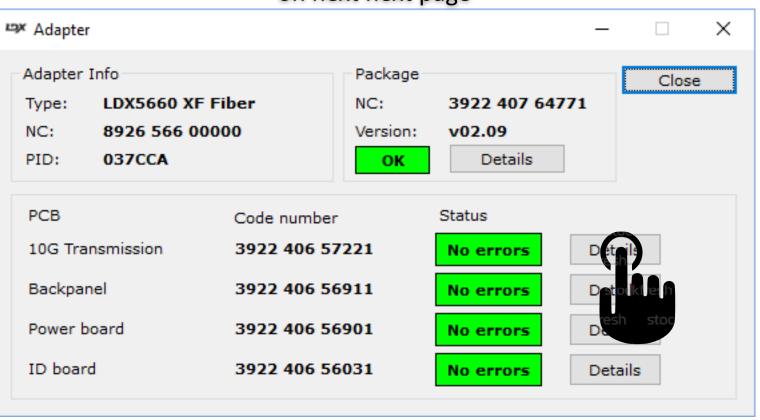


Camera details

See example from Right Processor board on next page

Adaptor details

See example from 10G Transmission board on next next page



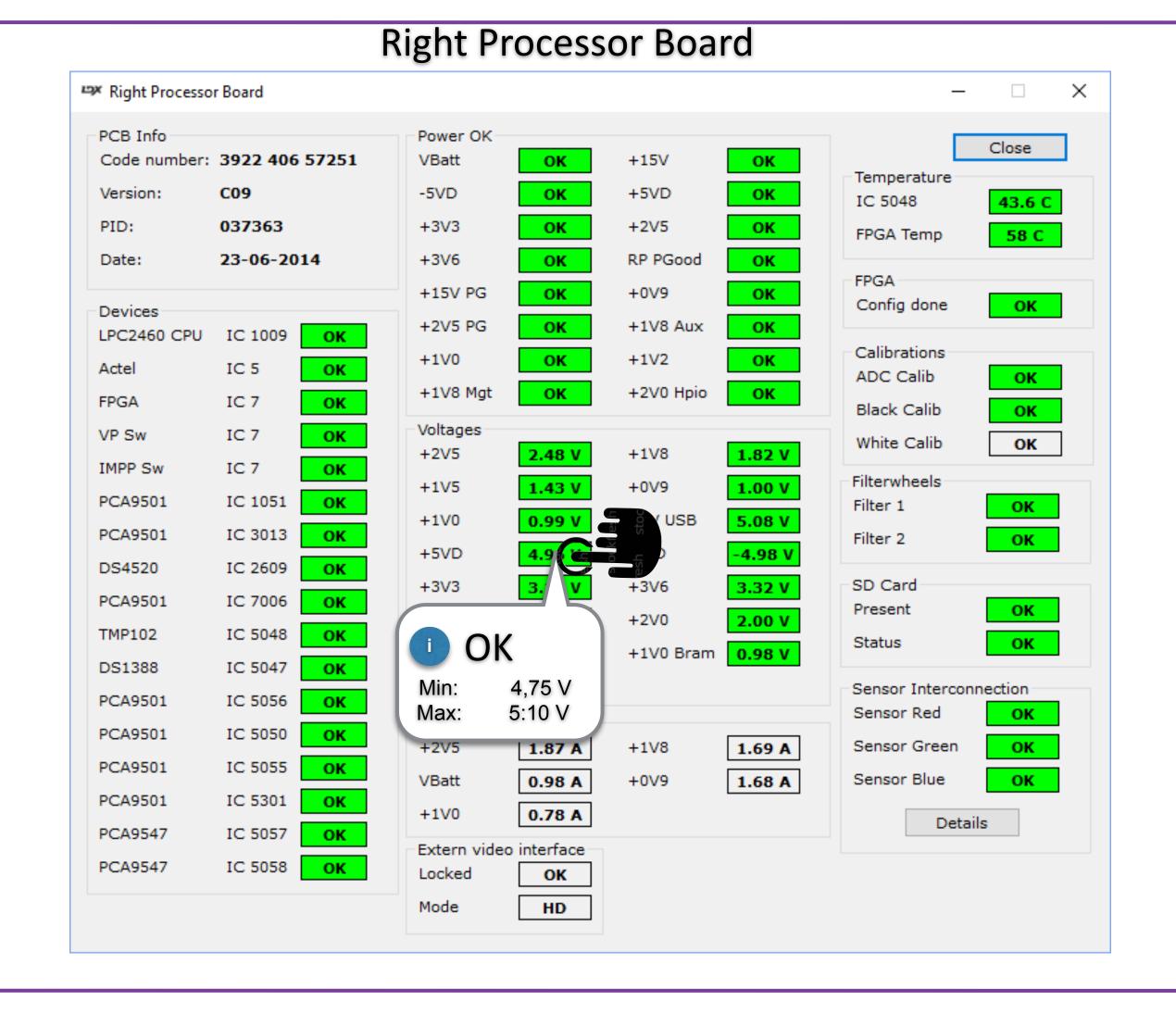


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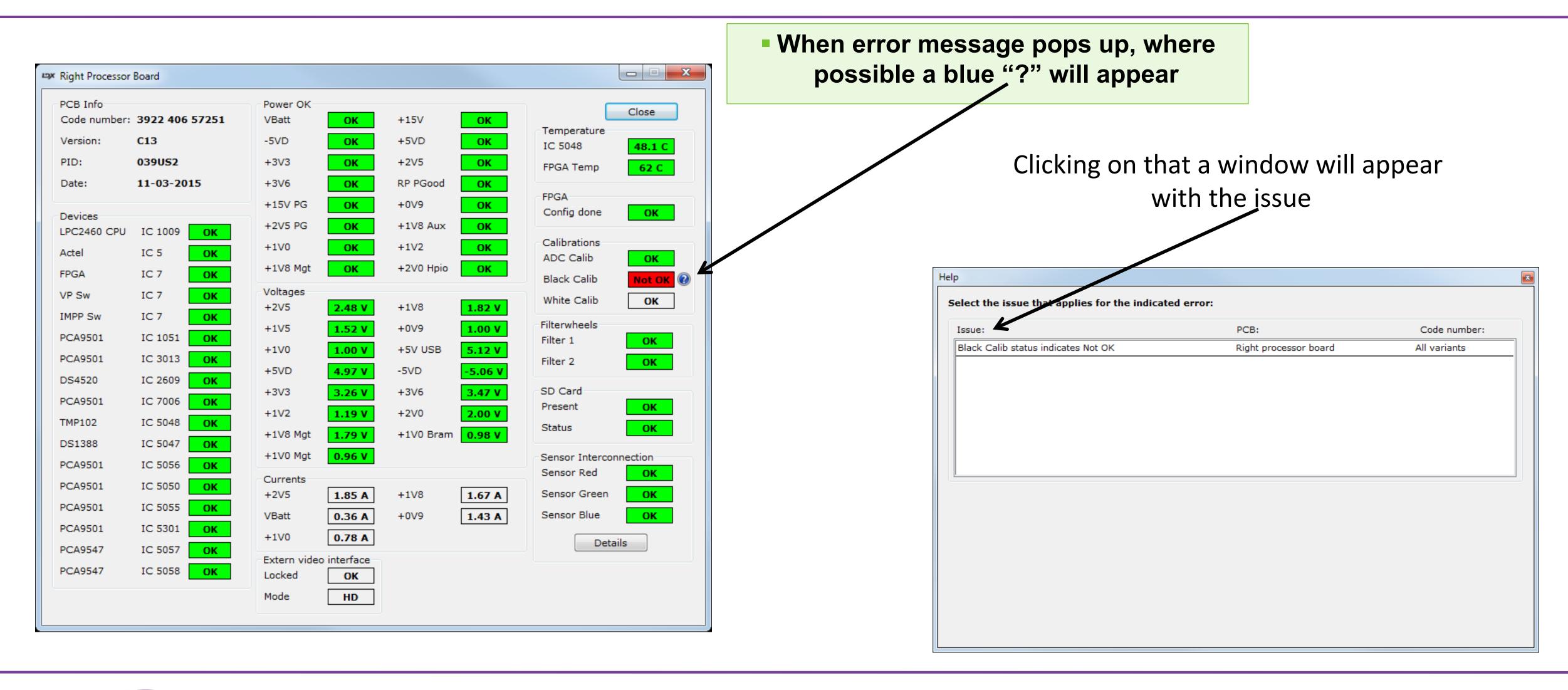
10G Transmission Board



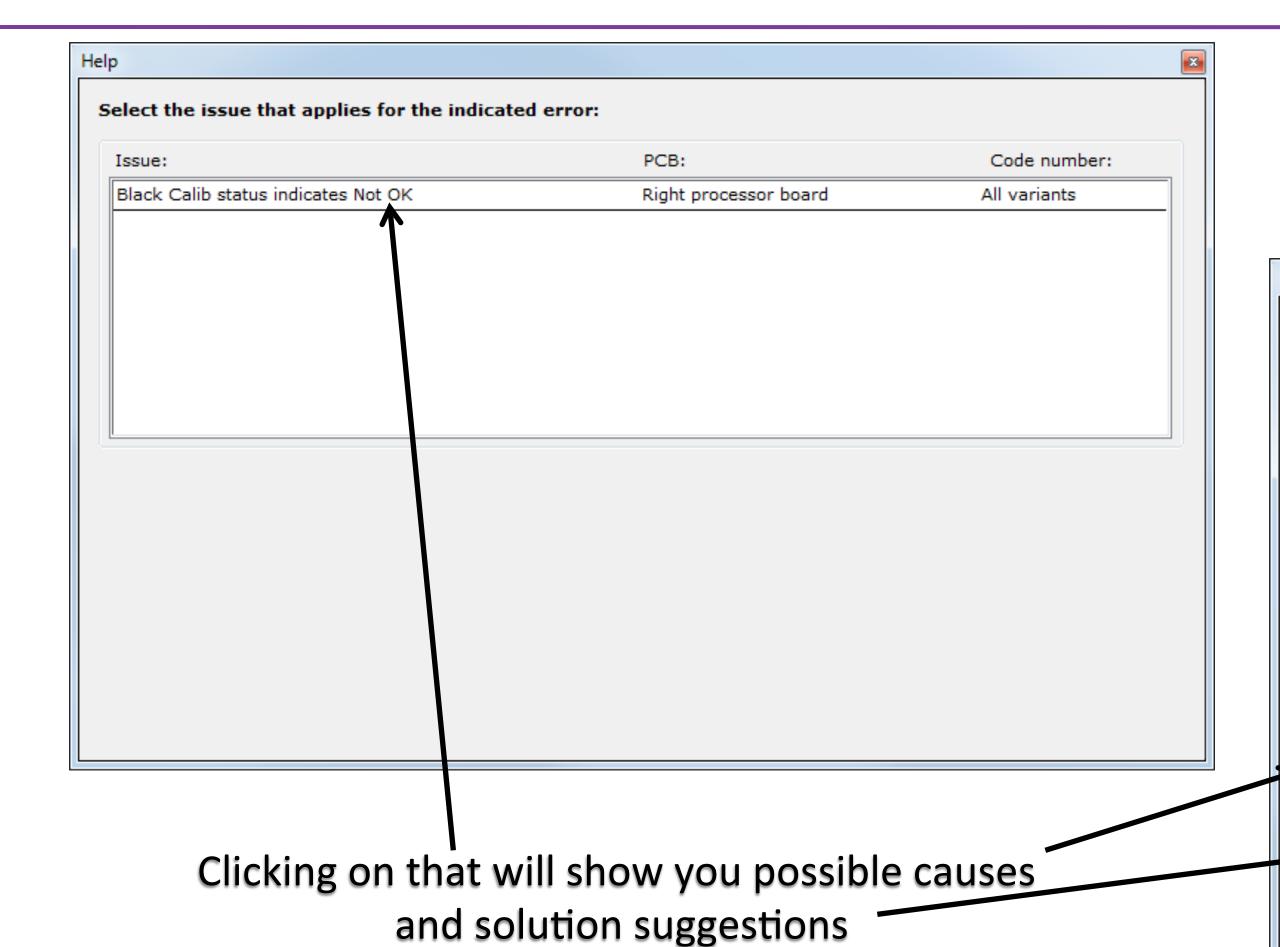


Tips and hints

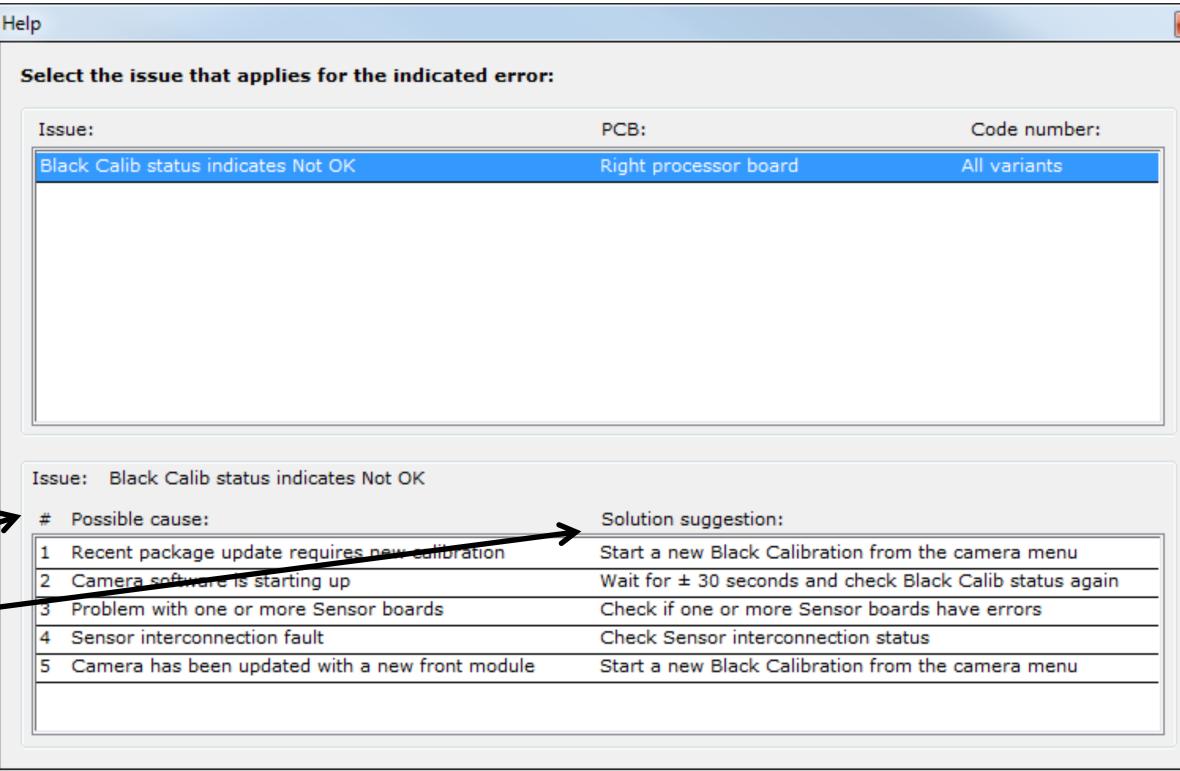
LDX Inside







Possible causes and solution suggestions



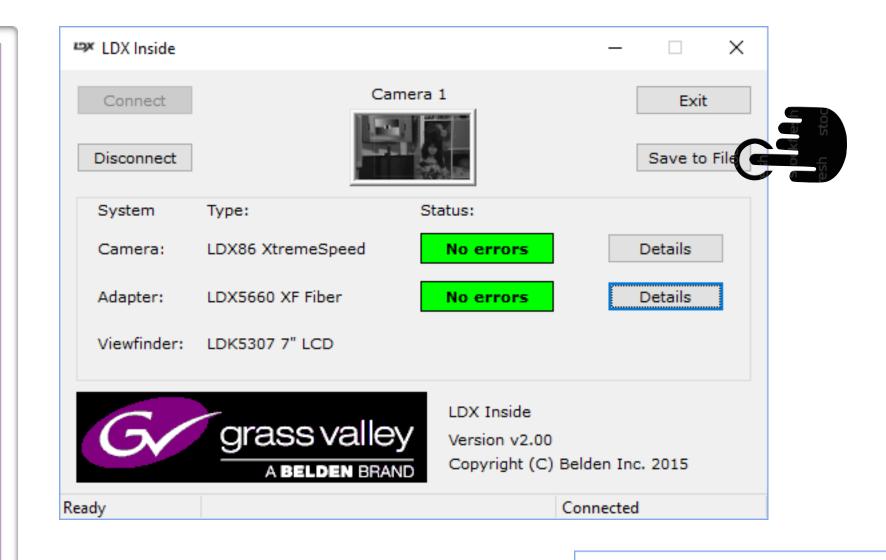


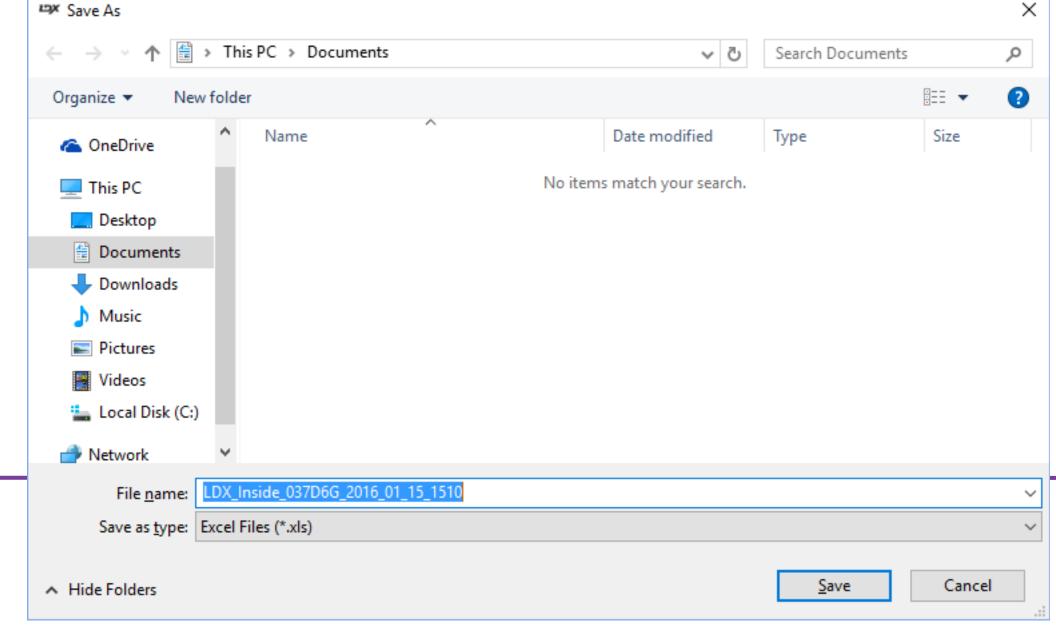
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To send all details in one file to the Service channel. You can use:

Save to file







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To send all details in one file to the Service channel. You can use:

Save to file
This creates a EXCEL file
where all data is stored

