

Introduction

This document describes the procedure required in order to firmware upgrade the LOGMAR S8 camera body with new firmware.

Prerequisites:

- A LOGMAR S8 DIGICANICAL camera with boot loader revision 1.00 or higher
- A Microsoft Windows based PC running either x64 or x86 architecture
- A Standard USB type B cable as shown below



Install the correct upgrade drivers

Unpack the Driver.zip file onto your desktop, which will create a folder called "Driver"

Inside this folder, you will find two files: **dpinst_x86.exe** which is for standard x86 32bit windows platforms and **dpinst_x64.exe** which is for x64 64bit platforms.

BEFORE YOU START EITHER OF THESE MAKE SURE THE CAMERA IS **NOT** CONNECTED TO THE PC.

If you do not know which version of windows you're running try the dpinst_x64.exe first – if it is not the correct version it will throw an error after which you can try the dpinst_x86.exe instead.

Once the driver update is started, you will see the screen below where you just have to press "Next"

Device Driver Installation Wizard	againer'
	Welcome to the Device Driver Installation Wizard!
01.5	This wizard helps you install the software drivers that some computers devices need in order to work.
	To continue, click Next
	<back next=""> Cancel</back>



Following this screen, Window security will tell you that the driver cannot be verified please select "Install this driver software anyway"

Windows Security	x
Windows can't verify the publisher of this driver software	
 Do<u>n</u>'t install this driver software You should check your manufacturer's website for updated driver softw for your device. Install this driver software anyway Only install driver software obtained from your manufacturer's website of disc. Unsigned software from other sources may harm your computer of information. 	are or r steal
Hide details	
The driver software you're attempting to install does not have a valid digital signature verifies who published it, and could potentially be malicious software. You should or install driver software from publishers you trust. <u>How can I decide which device software to install?</u>	that Iy vare is

The remaining driver installation might take a couple of minutes after which this screen should occur telling you that the driver, has been successfully installed.

Device Driver Installation Wizard		
	Completing the Device Dr Installation Wizard	iver
	The drivers were successfully installed on thi	is computer.
	You can now connect your device to this co came with instructions, please read them first	mputer. If your device t.
	Driver Name	Status
	✓ Logmar Camera Solutions (WinUSB)	Ready to use
	•	4
	< <u>B</u> ack Finish	Cancel



Initiate firmware upgrade procedure (Boot loader)

- 1. Make sure the camera is completely turned off and no cables are connected to it
- 2. Make sure the battery is **FULLY** charged **NEVER** upgrade without a fully charged battery.
- 3. Press and hold the FUNC button
- 4. Press and release the POWER button (while still holding FUNC all the time)



5. The camera should now indicate that it is ready for firmware upgrade and you can now let go of the FUNC button.

Logmar Camera Solutions Device Firmware Updater Version 1.0

> Digicanical Super-8 BETA

Status: Application error Please flash a valid image

Please note:

The status message reflect the status of the firmware loaded into the camera previously.

The picture on the left shows that the camera firmware is corrupted.

A user should normally never see this "Application error" message.



6. Now you may connect the USB cable and you should see the following windows message:



After a few minutes windows should have recognized the S8 camera DFU.



Leave the USB cable connected to the camera and proceed to the next chapter



Using the firmware upgrade program:

Unpack the file "Release.zip" to your desktop and run either the Win32 or x64 version depending on which windows version you are running (*This became apparent during the driver installation*)

Once you have started the **Dfuutil.exe** program you'll see a dropdown box which should show something similar to:

<u>F</u> ile	Tools	<u>H</u> elp
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This indicates that the PC program can see the actual camera and that everything is ready.

Press the button next to "Download" with the three dots "..." and select the provided S8_xxx.DFU file which you got from LOGMAR.

Reset
 Query
 Download
 Upload
*

Now you should see a screen similar to the below where you have selected a valid image.

🖅 DfuUtil	
<u>F</u> ile <u>T</u> ools <u>H</u> elp	
\\?\usb#vid_10c4&pid_888e#6&22170300&0&2#{04c77e93-b54d-4714-ac96-15a62bfa307b}	▼
	Reset
	Query
File Path: C:\Users\amadsen\Dropbox (Personlig)\Super9_0102\Build\S8_098.dfu	 Download
File Path:	Upload



Sometimes the download doesn't start immediately after you press the Download button.

if it doesn't start simply keep pressing the Download button until you see a dialog box like the one below that shows that the camera is loading the firmware.

ſ	Downloading Image File
	22%
	Cancel

Once the camera has completed the firmware update, simply press the "Reset" button and the camera should start with the new firmware installed – if it does not simply try this procedure again.

Help!?

If in doubt, please contact Lasse Rødtnes at Lasse@Logmar.dk