

HOW TO ?

Set up a frame grabber

C-RED 2, C-RED 2 ER, C-RED 2 Lite & C-RED 3

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Glossary

- HDR: High Dynamic Range
- ADU: Analog Digital Unit
- HG: High Gain
- LG: Low Gain
- ADC: Analog to Digital Converter
- NUC: Non Uniformity Correction
- IWR: Integrate While Read
- ITR: Integrate Then Read
- FPS: Frames Per Second
- CDS: Correlated Double sample



1. Introduction

This document is a tutorial explaining how to set up a frame grabber. In this tutorial, we will use a C-RED 3 camera and a MATROX eV-CL grabber.

2. Material list





3. Precautions to handle the frame grabber



Frame grabber



Please wear a anti-static shock bracelet.
The card is a sensitive component.

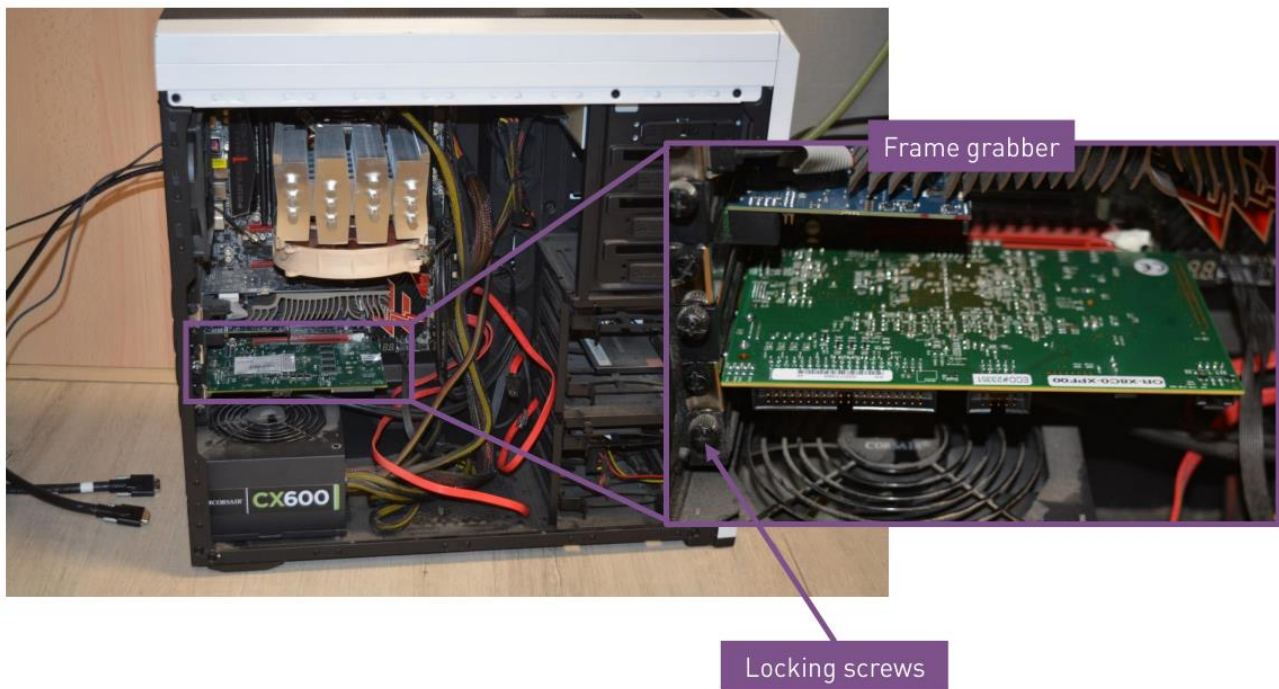
3.1. Open the computer



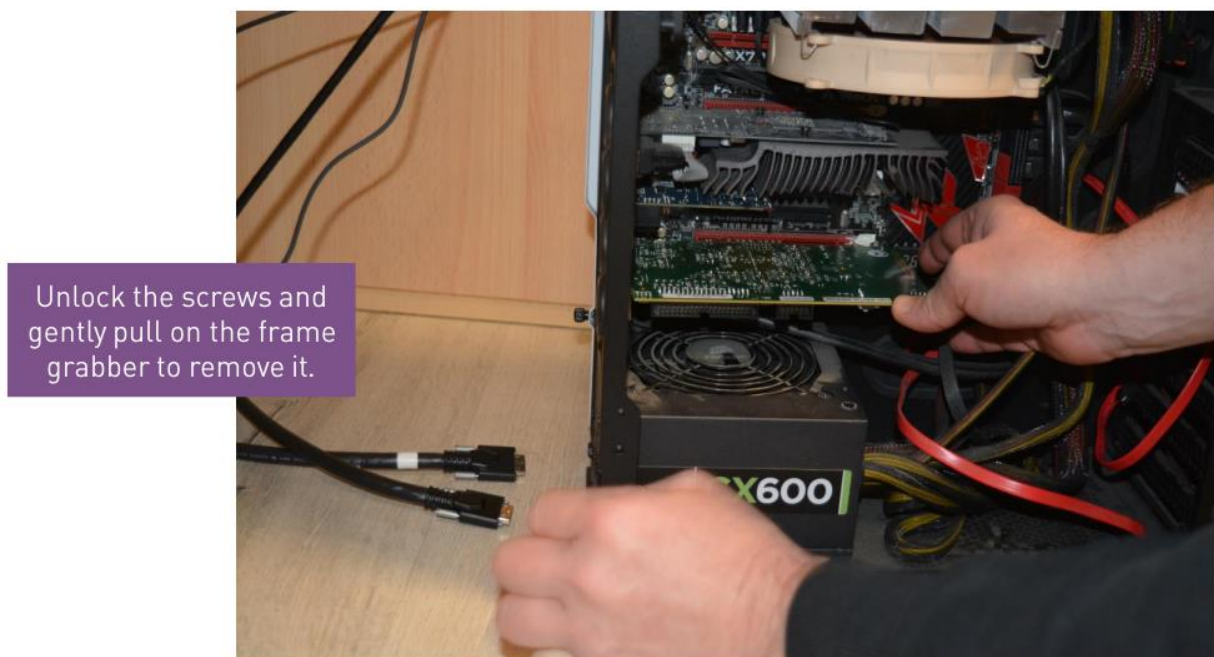
Open up the computer by removing the
lateral board. A few screws may need to
be removed.



3.1.1. Inside view of the computer



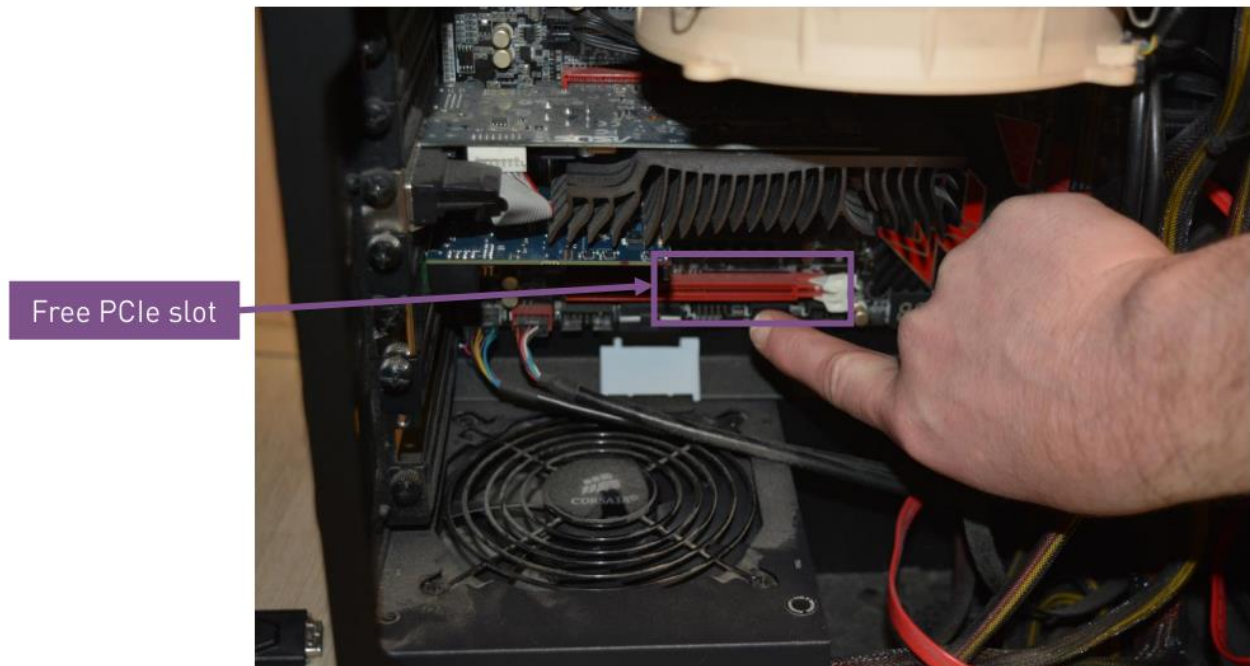
3.2. Remove the frame grabber



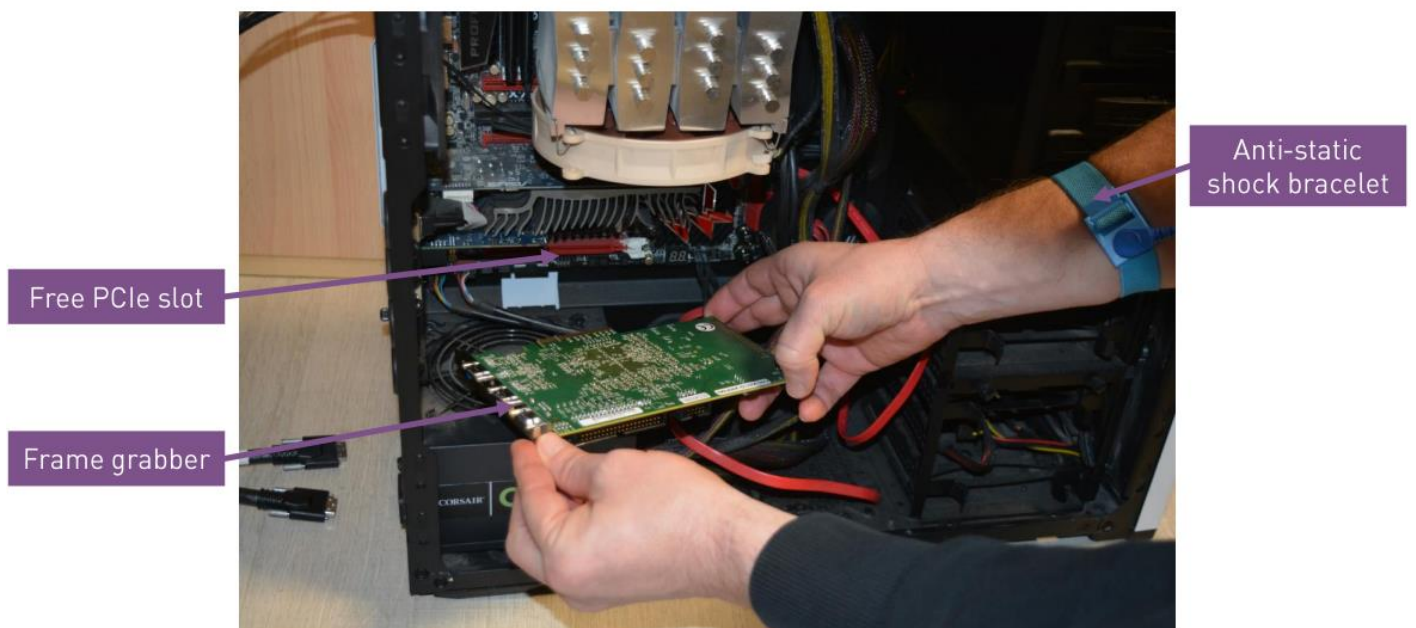
Please wear an anti-static shock bracelet. The framegrabber should be stored in an anti-static paper and put back in its box.



3.2.1. Free PCIe slot location



3.3. Place the new frame grabber

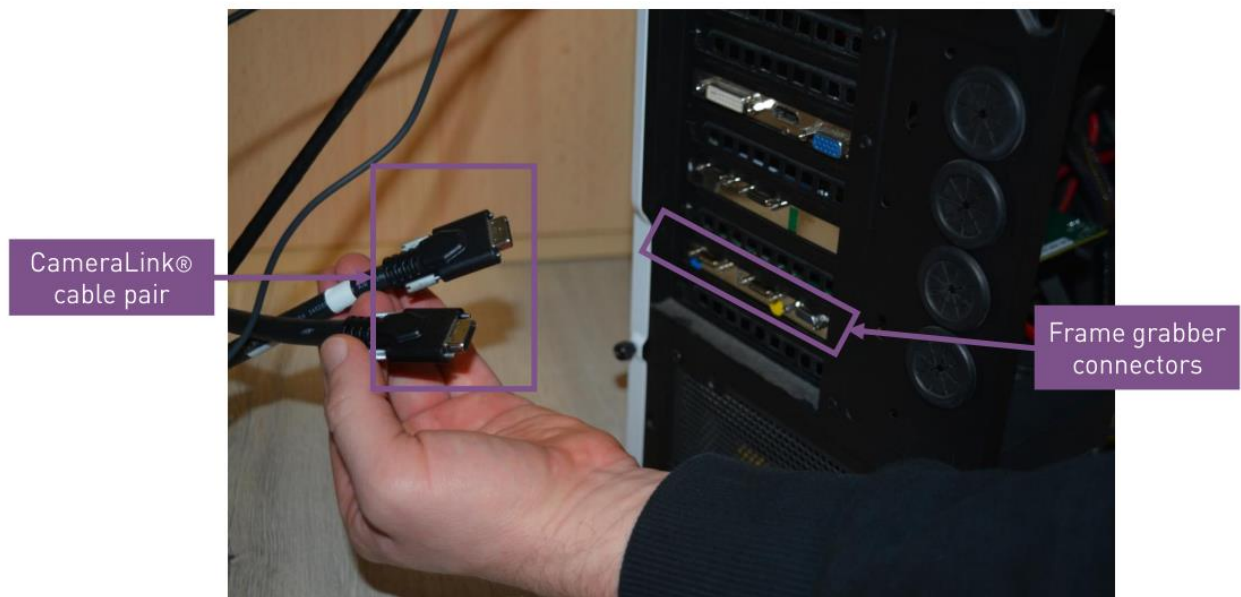


Please handle the frame grabber with care. Beware not to make any mechanical shock with the computer, as this may break the components on the card.





3.4. Fix the new frame grabber



Connect the CameraLink® cables to the connectors on the frame grabber.

3.5. Connect the cables



Lock the screws and put the computer panel back in place.





3.6. Ready to go!



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We call this moment the First Light.

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