Manual

ZEISS Lens Data Viewer for

Lenses with XD Technology

<div style="border: 2px solid red; color: red;">

! CAUTION !

For using the ZEISS Lens Data Viewer a special connection kit is needed consisting of the lens connector, a DC power supply, the RS232 plug and a USB /RS232 converter. This kit is available at the Carl Zeiss Service stations and can be ordered from the ZEISS Customer Care Center.

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Introduction

This document describes how to use the ZEISS Lens Data Viewer with the Zeiss CP.3 XD and Supreme Prime lenses.

You can download the latest version of the ZEISS Lens Data Viewer from www.zeiss.com/camera-lenses/int/service/download-center.html. The necessary installation file and a brief description of the new version are stored in a .zip file.

For the ZEISS Lens Data Viewer a special connection kit is needed consisting of the lens connector, a DC power supply, the RS232 plug and a USB /RS232 converter. This kit is available at the Carl Zeiss Service stations and can be ordered from the Zeiss Customer Care Center.

Explanation of Symbols

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INFO	The information symbol indicates additional information, which is useful for the context.
RESULT	The result symbol indicates information about the obtained result of a step.

Equipment needed

- Computer

  - Installed OS: Windows 7 or later

  - At least 1 free USB port

- Connection Kit eXtended Data available at ZEISS, see below drawing. The kit consists of:

  - Digitus® USB – RS232 Converter including driver CD

  - Cable with 9 pin D-Sub female plug and 4pin male plug for lens XD connector

  - International power plug adapter
    The adapter can operate with AC power from 100VAC to 240VAC, adapters for US or Euro AC main sockets are enclosed in the cable set.
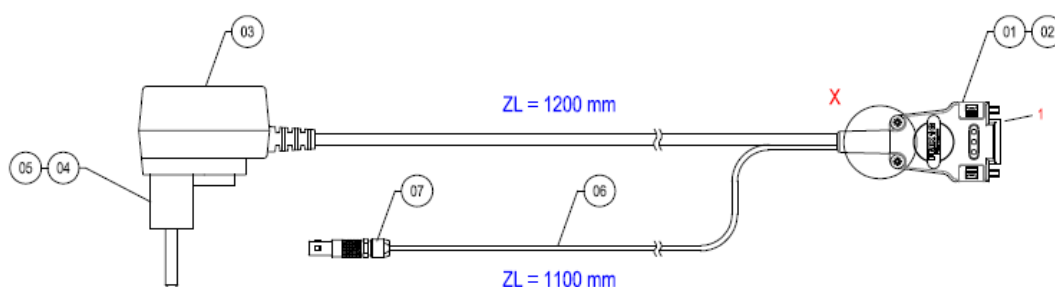

INFO	The drivers for the Digitus® USB – RS232 converter must be installed on the computer. For additional information see troubleshooting section.

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Preparing the Connection Kit

- Attach the US or Euro power adapter to the power supply.

- Plug the power supply into an AC main power socket.

- Connect the USB / RS232 converter to a free USB port of the computer.

- Connect the 9 pin D-Sub female plug to the USB / RS232 converter.

- Finally connect the XD plug to the lens.
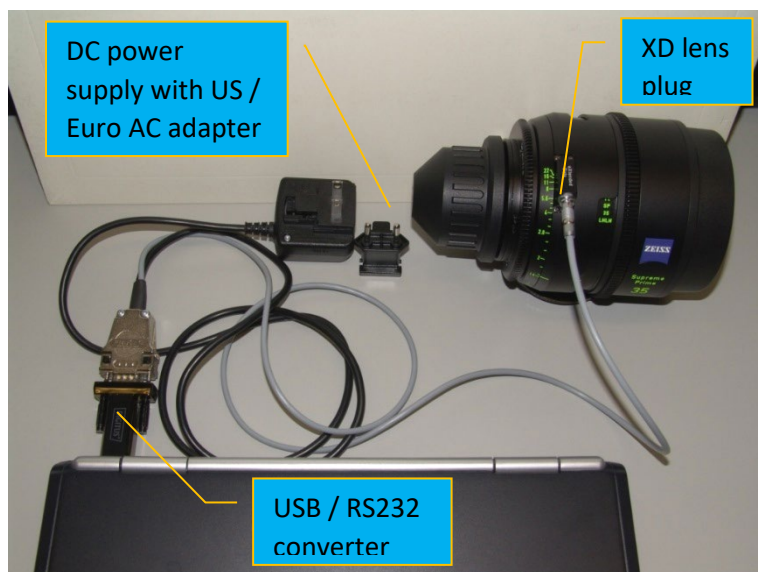
Setup of the computer
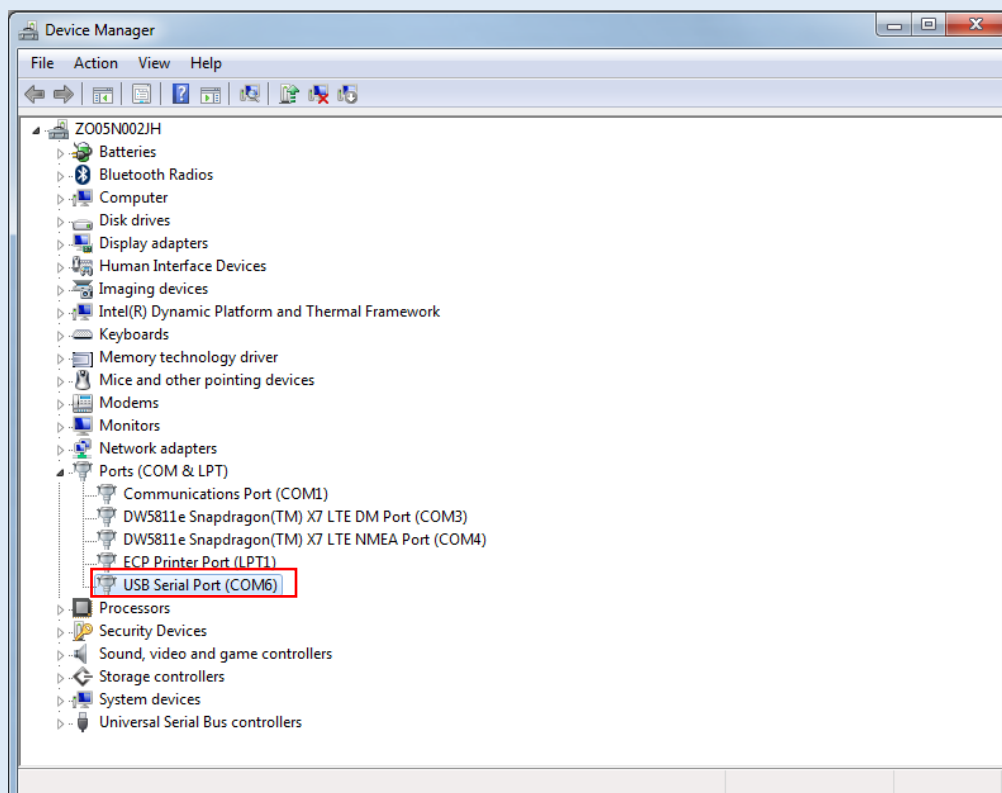
Start your computer.

INFO	A window should pop up reading that drivers have been installed and your device is ready to use.

Identify the COM port (COM#) the computer is using for the Connection Kit.

INFO	You´ll find the COM port in the **Device Manager** under **Ports (COM & LPT)>USB Serial Port**. To get to the Device Manager, press the **WINDOWS** key and type in "Device Manager".

In this example the identified COM port would be **COM6.**

Loading the most recent software on the computer

You can download the latest version of the ZEISS Lens Data Viewer from the Zeiss homepage. The necessary installation file and a brief description of the new Version are stored in a .zip file.

Download the most recent ZEISS Lens Data Viewer and un – zip it.

INFO	You can find the download section here: www.zeiss.com/camera-lenses/int/service/download-center.html.

Installing Zeiss Lens Data Viewer

Start the installer program "ZEISS Lens Data Viewer n.n.n.exe".
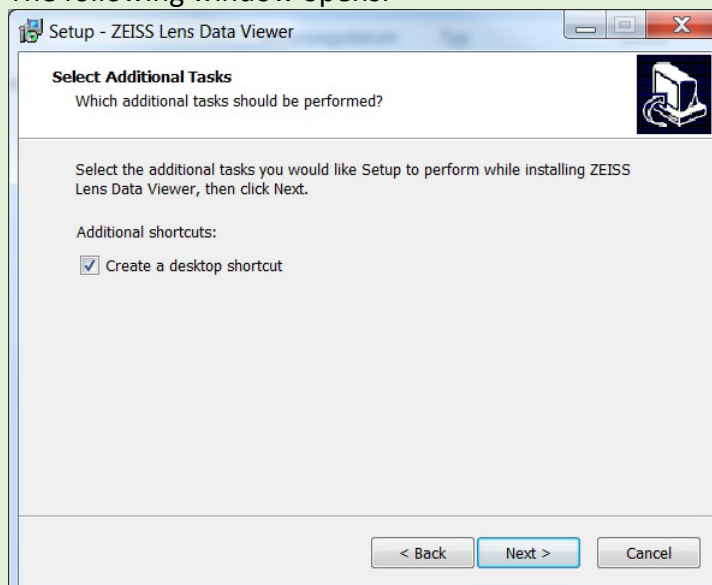The installer displays the license agreement. Please read these info's carefully and accept the agreement.

RESULT	The following window opens:
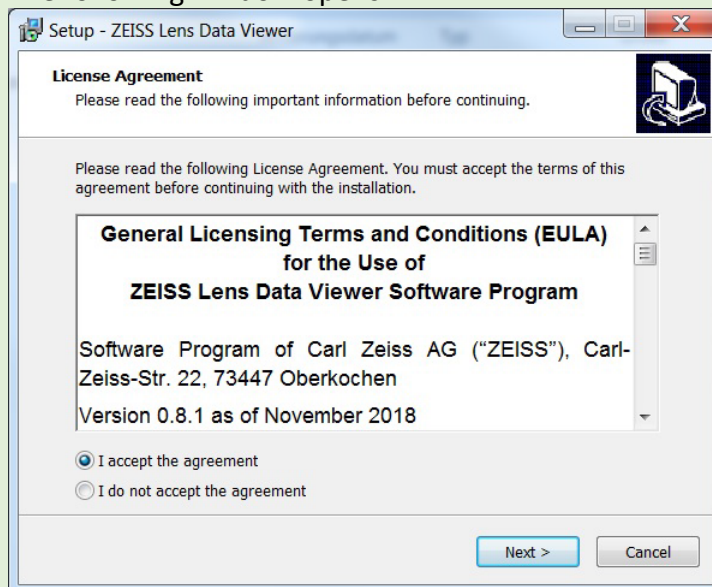
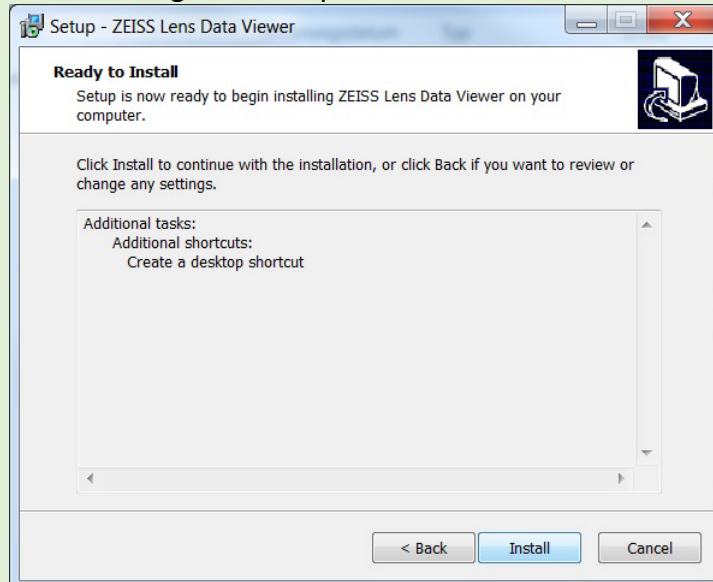
Select additional tasks

RESULT	The following window opens:

Start installation by clicking the Install button

RESULT   The following window opens:

Completing the installation by clicking the Finish button

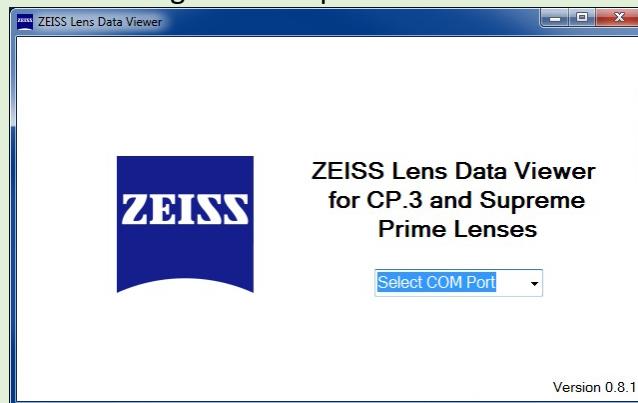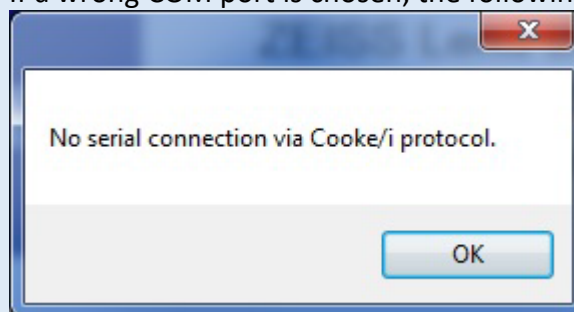**RESULT**   The following window opens:
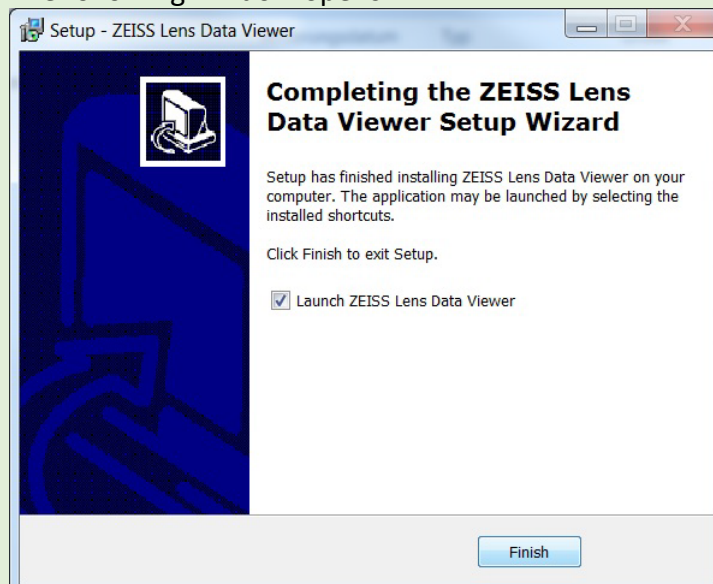
Using the Zeiss Lens Data Viewer

Select the USB serial port as identified in the previous paragraph to enable the communication between PC and lens.

RESULT	The following window opens:

INFO	If a wrong COM port is chosen, the following window opens:

The Zeiss Lens Data Viewer display basic lens informations, when connection to a CP.3 XD or a Supreme Prime lens exists. If you rotate on focus- or aperture ring, you will see the changes in data on these basic lens info tab.
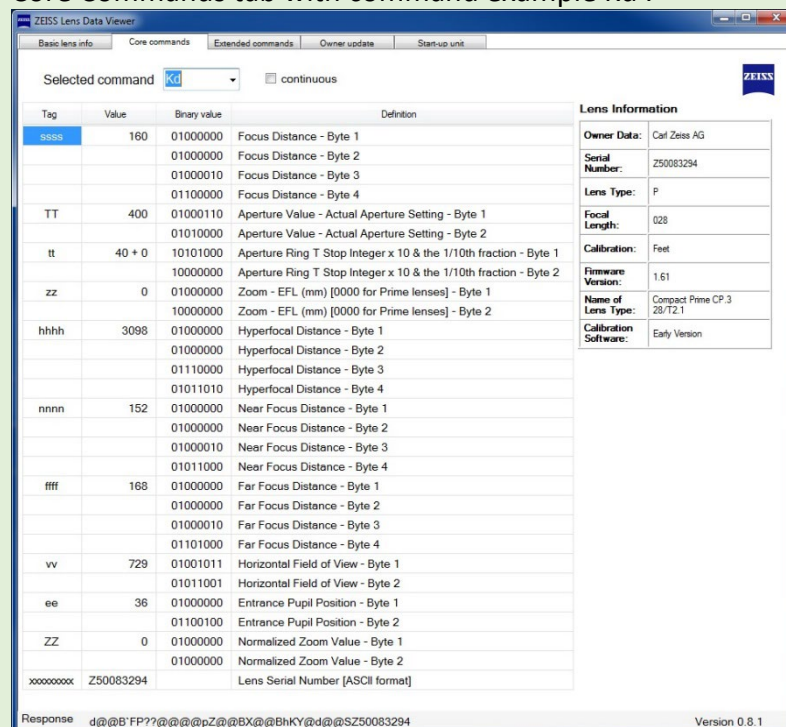
RESULT	The following window opens:
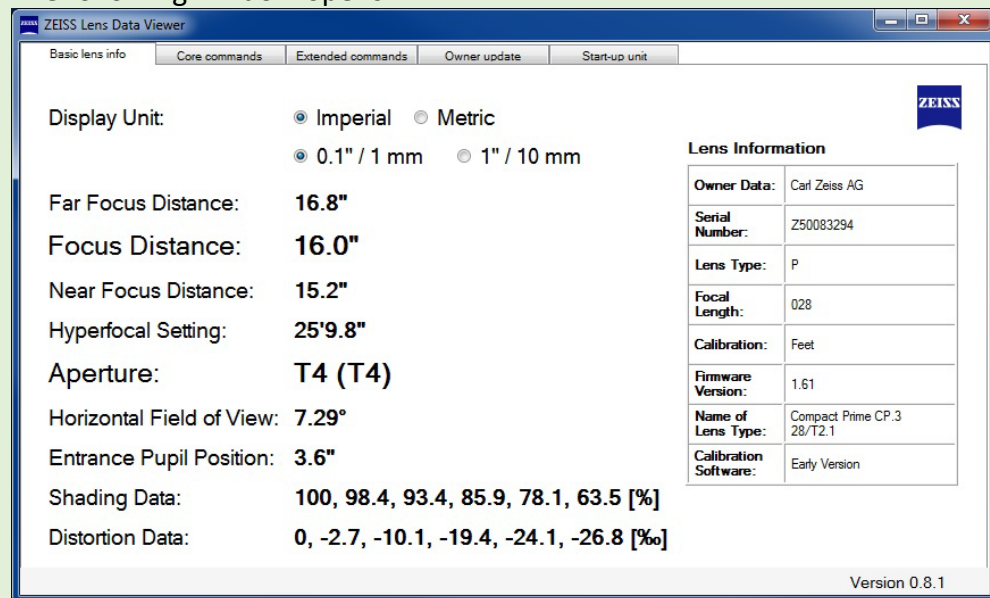
With the Core commands tab you can send a Cooke/i core command to the lens seperatly and check the answer from the lens.
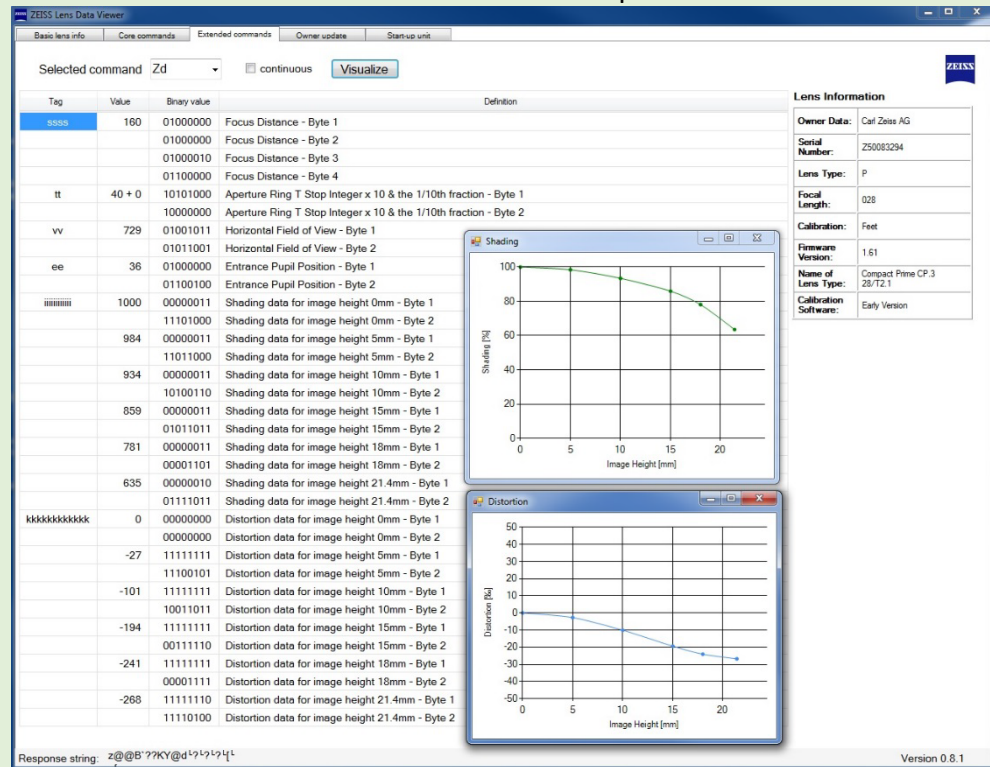
RESULT	Core Commands tab with command example Kd :

With the Extended commands tab you can send a XD command to the lens seperatly and check the answer from the lens. You can also visualize the data for shading and distortion in this tab.

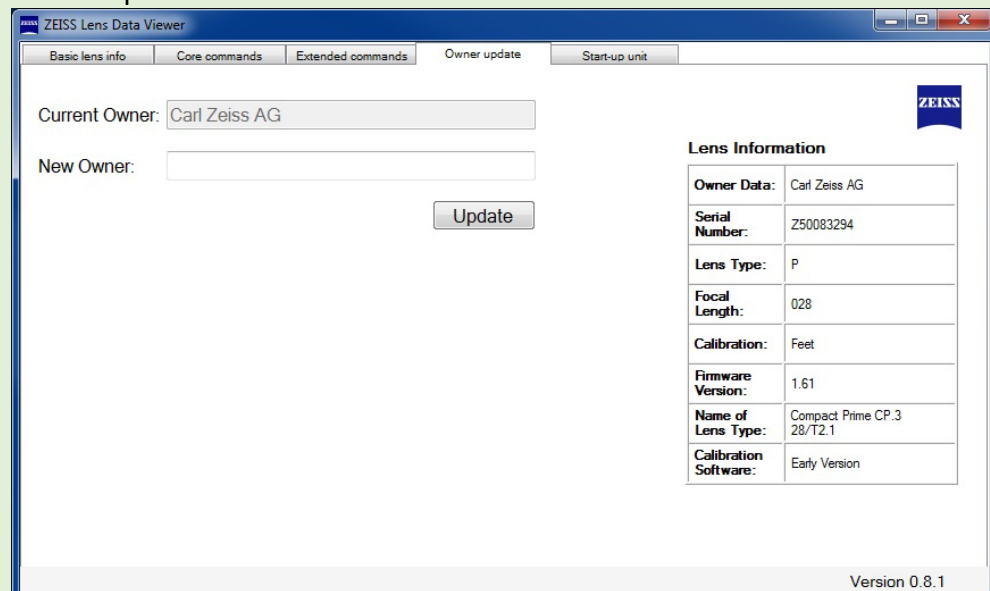| RESULT	Extended Commands tab with command example Zd :

On the Owner Update tab you can update the owner of the connected lens. If you click the Update button, you will see the update of the owner on Lens Information on the right side.
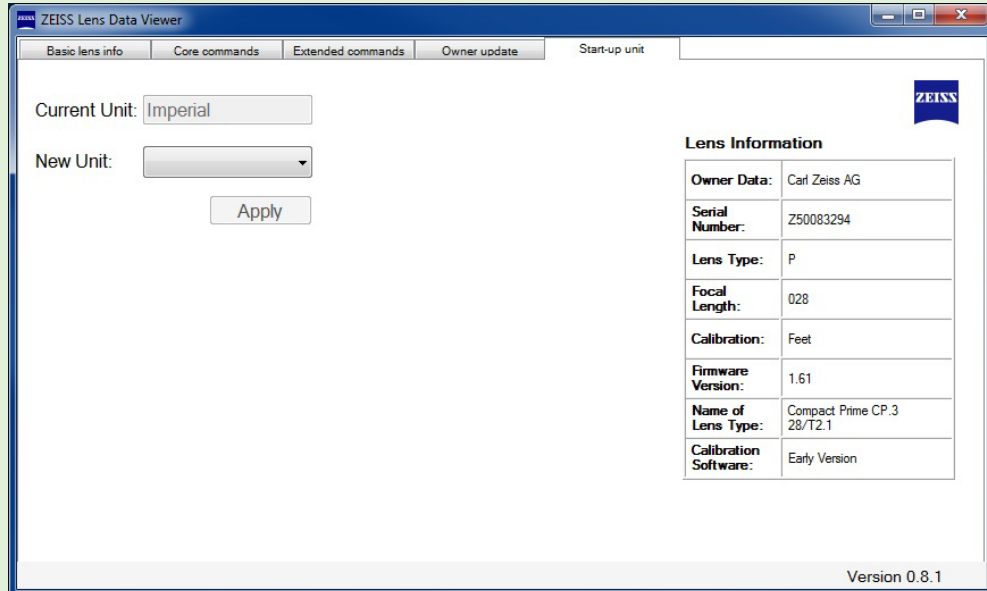
RESULT	Owner update tab:

On the Start-up unit tab you can permanently define the start-up units of the lens. You will need this function , if you change the focusring of a Supreme Prime lens from meter to feet or reverse.

RESULT	Start-up unit tab:

You can close the ZEISS Lens Data Viewer by the red X in the top right corner.

Finally plug out the XD cable from the lens.

Troubleshooting

I can´t find USB Serial Port under the Ports (COM & LPT) tab in the Device Manager.	Reason: Drivers are not installed properly.	
	Install the drivers from the enclosed CD.	
	INFO	If you can´t find the CD, you can download the drivers from the manufacturers website.
	RESULT	The **USB Serial Port** is now listed under **Ports (COM & LPT)** in the **Device Manager**.

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Appendix

Accessories	ZEISS Identification Number
Connection Kit eXtended Data	2217-107

Document subject to change!

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