

# ANGENIEUX LENS TOOL USER MANUAL



Ref: 0811305-A



## **Revision list**

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С							



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# **1. OVERVIEW**

This software is used to communicate with Angenieux products compatible with the /i Cooke protocol. It permits to:

- Display live values (Aperture, focus, zoom, ...)
- Update the product embedded software (if update available)
- Calibrate the product (depending on the product)
- Change some user parameters( Owner, focus ring unit)

# **2. SYSTEM REQUIREMENTS**

In order to install and run the software Angenieux Lens Tool, you must at least have a computer with the following system requirements:

- Windows XP SP3 or newest
- Microsoft .Net framework 4.5
- > A USB cable 0318006

# **3. DRIVER SETUP**

To connect Angenieux product to your computer you need a special cable (contact <u>angenieuxservice@fr.thalesgroup</u>) that includes electronic parts. The driver for the cable can be downloaded at <u>http://www.ftdichip.com/Drivers/VCP.htm</u>

#### **3.1 INSTALLATION FOR WINDOWS XP SP3**

http://www.ftdichip.com/Support/Documents/AppNotes/AN\_104\_FTDI\_Drivers\_Installation\_Guide\_ for\_WindowsXP(FT\_000093).pdf

#### **3.2 INSTALLATION FOR WINDOWS 7**

http://www.ftdichip.com/Support/Documents/AppNotes/AN\_119\_FTDI\_Drivers\_Installation\_Guide\_ for\_Windows7.pdf



## 3.3 INSTALLATION FOR WINDOWS 8

http://www.ftdichip.com/Support/Documents/AppNotes/AN\_234\_FTDI\_Drivers\_Installation\_Guide\_ for\_Windows\_8.pdf

## **4. ANGENIEUX LENS TOOL**

#### **4.1 STARTING THE SOFTWARE**

The software is available in French or English language. After startup, the language can be selected in the menu **Options**  $\rightarrow$  **Languages** and then by selecting **Français** or **English**.

🔾 Angenieux Lens To	ools - 0811305v2.00		
Connection Menu	Options Help		
ØN	Languages +	Français	
Resume	L	English	Zoom details
			A. M. L. A.

After language selection, the software will restart.

Before trying to communicate with the product, the connection needs to be setup in the menu: **Connection --> Configuration --> Port selection** by selecting the right USB peripheral.

Connection Me	u Options	Help					
Open COM4     Close COM4					Zooi	n details	
📌 Configuratio	1 <b>•</b>	Port selection	•	Communications Port (COM1)	)	facturer	
0'0	"0	0 mm	1	✓ USB Serial Port (COM4)		r	

And then click on **Connection --> Open** 

Then all the functionalities can be selected in the menu **Menu**. By default, **display live values** is selected.

Lens Tools - 0811305v2.00				×
Menu Options Help				
Display live values				
Update			Zoom details	
Calibration	o m	Aporturo	Model	
User parameters	pin	Aperture	Manufacturer	
	Lens Tools - 0811305v2.00 Menu Options Help Display live values Update Calibration User parameters	Lens Tools - 0811305v2.00 Menu Options Help Display live values Update Calibration User parameters	Lens Tools - 0811305v2.00 Menu Options Help	Lens Tools - 0811305v2.00          Menu       Options       Help         Image: Calibration       Image: Calibration       Image: Calibration         User parameters       Image: Calibration       Image: Calibration

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## 4.2 **DISPLAYING LIVE VALUES**

onnection Menu O	ptions Help				
\$ \$ .					
Resume				Zoom details	
Focus	Zoom	Aperture	2	Model Manufacturer	ASU - Optimo 15-40 ANGENIEUX
Infini	16 mm	2.6		Owner	ANGENIEUX ZOOM LENS
Infini		2+7/10	)	Product serial number Electronic board serial number	AA1234567 1234567
Focus				Туре	Z
Focus	Infini	Infini		Focus ring unit	Feets
Far focus	Infini	Infini		Max zoom	40
Near focus	14'2"6	4.333 m		Transmission factor	92
Hyperfocal	14'3"2	4.348 m		Startup focus correction state	Disabled
Zoom				Current focus correction state	Disabled
20011		1		Cooke protocol version	A.01
15 mm	16 mm	,	40 mm	Software version	01.22
Zoom	16 mm			Cooke base version	u
normalized zoom	31				: o <u>r</u>
Aperture				Read	Stop
Aperture	2.6	2+7/10			
Horizontal field	77.2				
Entrance pupil	0'7"6	19.3 cm			
Misc					
Temperature	31°C				

**Display live values** permits to display all information available through the Cooke protocol. Lens rings can be turned to see the values changing. To start displaying these values, press the button **Read**.

## 4.3 UPDATE

**Update** permits to load new software in the product. Before doing this, an update file is required. (.alfw file for optimo/i product or an .asufw file for ASU products). If update is available, it can be downloaded at <u>www.angenieux.com</u>.



Angenieux Lens Tools - 0811305v2.00 Connection Menu Options Help	×
Update Den Diolio Den Diolio Dopen Diolio	JNIT
Start Bootloader VUnknown-Unknown Ready	
0.0%	
JSB Serial Port (COM4) 9600 bauds Update	<b>a</b> ng <del>e</del> nleux

To start an update, first clic on **open** to load an update file, and then click on **start** and wait for the end of the updating process. Popup windows will prompt you to confirm your choices.

## 4.4 CALIBRATION

Calibration is only available for ASU product. It permits to calibrate a zoom lens on the ASU.





First step consists in selecting the zoom lens mounted with the ASU. After each step, **Next** button needs to be pressed.





In this example, optimo 16-42 DP is selected.



🔘 Angenieux Lens T	ools - 0811.	305v2.00				1	<b></b> X
Connection Menu	Options	Help					
9 K 2							
Etape 2/9: Ser	ial numb	ers					
Fill the ASU and	the lens	serial numb	ers in the corr umerical strin	esponding fiel	lds and clic on	next.	
- The lens serial	number r	nust be a n	umerical string	g of 7 characte	ers.		
ASU serial number	1234567	0	F.1				
Lens serail number	7654321	- 6					
cens serun number	1054521						
Prev	ious		Nex	t		Restart	
USB Serial Port (COM	4) 9600 ba	uds Calibrat	ion			d	Ingēnieux

On the second step, you have to fill the serials numbers : one for the lens and one for the ASU.



Q Angenieux Lens Tools - 0811305v2.00		
Connection Menu Options Help		
Etape 3/9: Iris calibration Turn the iris ring to the highest a	aperture and clic on next.	
Turn the focus ring on the mark	►-2.8	
Previous	Next	Restart
USB Serial Port (COM4) 9600 bauds Ca	libration	<mark>a</mark> ngēnieux

Then you have to turn the iris ring on the highest aperture and click on Next.



Q Angenieux Lens Tools - 0811305v2.00	<b>X</b>
Connection Menu Options Help	
Etape 4/9: Iris calibration Turn the iris ring to the closest aperture and clic on next.	
Turn the focus ring on the mark	
Previous Next Resta	rt
USB Serial Port (COM4) 9600 bauds Calibration	angEnieux

Then you have to turn the iris ring on the closest aperture and click on Next.



Angenieux Lens Tools - 0811305v2.00			×
Connection Menu Options Help			
Etape 5/9: Zoom calibration Turn the zoom ring to the minur	num and clic on next.		
Turn the focus ring on the mark	► - <b>16</b>		
Previous	Next	Restart	
USB Serial Port (COM4) 9600 bauds Ca	libration		angenieux

Then you have to turn the zoom ring to the minimum zoom value.



🕽 Angenieux Lens Tools - 0811305v2.00	
Connection Menu Options Help	
Etape 6/9: Turn the zoom ring to the maximum and clic or	ו next.
Turn the focus ring on the mark	
Previous	Next Restart
JSB Serial Port (COM4) 9600 bauds Calibration	angēnieux

Then you have to turn the zoom ring to the maximum zoom value.



Angenieux Lens Tools - 0811305v2.00	THE R		x
Connection Menu Options Help			
I I D			
Etape 7/9: Focus calibration			
Select the ring type (feets ou meters).			
Then calibrate the focus ring marks by reading instructions			
Ring type selection			
ning type selection			
Focus ring in feets	cus ring in meters		
	Marks	Sensors	
	2"	742	
Turn the focus ring on the mark	2'2"	1923	
rum the focus mig on the mark	2'4"	2725	
	2'6"	3143	
	2'9"	3716	
	3'	4097	
	3"3"	4659	н
Calibrate	3'6"	4983	
	4'	5093	
s	4'6*	5671	
	5	0	
	6'	0	
	7'	0	
Kestart all	8'	0	
	10'	0	
	15'	0	*
Previous Next		Restart	
USB Serial Port (COM4) 9600 bauds Calibration		angeni	eux

Then, it switches to focus ring calibration . First, check the corresponding checkbox to select the unit of the ring mounted on the zoom lens (feets or meters).

Then, you have to calibrate each mark of the focus ring by reading the instructions and clicking on the **Calibrate** button for each mark. When it is finished, click on **Next**.



Angenieux Lens Tools - 0811305v2.00	<b></b> ×
Connection Menu Options Help	
Etape 8/9: Sending data calibration into product Clic on next to start the action	
2/9	
Sending manufacturer informations	
Previous Next	Restart
USB Serial Port (COM4) 9600 bauds Calibration	angenieux

It will send all calibration data into ASU internal memory.



Angenieux Lens Tools - 0811305v2.00		
Connection Menu Options Help		
Etane 0/0: Calibration complet	ad	
Check if metadata are correct.	eu	
Recume		
Eccus	Zoom	Aporturo
Focus	20011	Aperture
Intini	42 mm	22.0
Infini		16+9/10
Deminure	Nasit	Partat
Previous	Next	Kestart
USB Serial Port (COM4) 9600 bauds Calib	oration	angēnieux

At the last step, you can check if the product is working as expected. If not, please restart a full calibration.



## 4.5 USER PARAMETERS

This window permits to change some user parameters.

#### 4.5.1 Focus ring correction.

This functionality is only available pour Optimo/i lens. It permits to enable or disable the focus temperature compensation.

#### 4.5.2 Zoom owner

You can change the zoom owner name (by default it is set to « Angenieux Zoom Lens ».

#### 4.5.3 Focus ring unit.

This functionality permits to change the focus ring unit. For example if you have a lens with a focus ring in feet and you want to fit a meter ring on it, you can use this tool to configure the electronic board accordingly. This function would not be used for ASU. It is preferred in this case to recalibrate the product.



Angenieux Lens Tools - 0811305v2.00	<b></b> X
Connection Menu Options Help	
19 P 2	
Focus correction	1
Startup state Disabled	
Enable	
Disable	
Zoom owner	
Current owner ANGENIEUX ZOOM LENS New owner (max 31 chars)	Update
Focus ring unit	1
Current unit Feets	
Feets	
Meters	
Refresh	
USB Serial Port (COM4) 9600 bauds User parameters	angēnieux'