



WLZ-Export Tool

Instructions



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1. INTENDED USE

The WLZ-Export Tool gives the user the ability to export planned treatment data and ablation patterns from the WAVENET[™] Planning Software into a csv file format, and the HOA-image in a png file. The WLZ-file can be exported from the WAVENET[™] Planning Station to a USB drive, using the export function of the software, and afterwards it is imported in the WLZ-Export Tool. This tool is installed on a separate computer and has no physical connection to the WAVENET[™] Server or the network.

Any further processing of the data provided by the WLZ-Export Tool falls under the responsibility of the user.

2. MY SQL SERVER APPLICATION

2.1. Uninstall MySQL Server Application



• Uninstall any MySQL Server Application (if a version of the application is already installed) from your personal computer.

2.2. Copy Installation File



- Copy the file "Integration_WLZTool_Rev01.exe" to the hard drive of your computer.
- Start installation of "Integration_WLZTool_Rev01.exe".
- Select destination for file export.

I Administrator: "Integration MYSQL	and WLZTool"		×
Prepare installation files	- please walt		
	IE2 7-Zip self-extracting archive Extract to:	 Cancel	×

Figure 1: Select Installation folder designation

Installer adds folder "WaveLight" to the hard drive C:\ with the following subfolders:

- DB (Database files)
- WLZTool (WaveLight WLZ-Export Tool)

Administrator: "Integration MYSQL and WLZTool" repare installation files - please wait		×			
	2 56% Extracting			- (×
	Elapsed time: Remaining time: Files: Compression ratio: Extracting WLZTool\sqldrivers	00:00:01 00:00:00 0	Total size: Speed: Processed: Compressed size:		49749 K 27 MB/s 28184 K
		Background	Pause	Can	cel
		The			

Figure 2: Installer Copies Files On The Computer

Administrator: "Integration MYSQL and WLZTool" × ACTION: Adding root user password... Got error: Access denied for user 'root'@'localhost' (using password: NO) ACTION: Set network access for user ROOT ERROR 1062 (23000) at line 1: Duplicate entry '%-root' for key 'PRIMARY' ACTION: Creating User DEVICE with privileges and password ACTION: Adding database tables... ERROR 1050 (42S01) at line 10: Table 'ulf_pattern_types' already exists Copy Tools 13 File(s) copied WLZTool copied to folder C:\WaveLight\WLZTool Creating Link remove temporary installation files Deleted file - C:\Users\WaveLight\Desktop\Basis\DBPSW 1121 130625.sql Deleted file - C:\Users\WaveLight\Desktop\Basis\my.ini Deleted file - C:\Users\WaveLight\Desktop\Basis\mysql-5.5.30-win32.msi Deleted file - C:\Users\WaveLight\Desktop\Basis\shortcut.vbs Deleted file - C:\Users\WaveLight\Desktop\Basis\7zip\7-zip.dll Deleted file - C:\Users\WaveLight\Desktop\Basis\7zip\7z.dll Deleted file - C:\Users\WaveLight\Desktop\Basis\7zip\7z.exe Deleted file - C:\Users\WaveLight\Desktop\WLZTool\libmysql.dll Deleted file - C:\Users\WaveLight\Desktop\WLZTool\msvcp100.dll Deleted file - C:\Users\WaveLight\Desktop\WLZTool\QtCore4.dll Deleted file - C:\Users\WaveLight\Desktop\WLZTool\QtGui4.dll Deleted file - C:\Users\WaveLight\Desktop\WLZTool\QtNetwork4.dll Deleted file - C:\Users\WaveLight\Desktop\WLZTool\QtSql4.dll Deleted file - C:\Users\WaveLight\Desktop\WLZTool\QtXml4.dll Deleted file - C:\Users\WaveLight\Desktop\WLZTool\WLZTool.exe Deleted file - C:\Users\WaveLight\Desktop\WLZTool\7-Zip\7-zip.dll Deleted file - C:\Users\WaveLight\Desktop\WLZTool\7-Zip\7z.dll Deleted file - C:\Users\WaveLight\Desktop\WLZTool\7-Zip\7z.exe Deleted file - C:\Users\WaveLight\Desktop\WLZTool\DBTree\DBTree_v1121.xml Deleted file - C:\Users\WaveLight\Desktop\WLZTool\sqldrivers\qsqlmysql4.dll All Done!

Figure 3: Installation complete

3. PLAN TREATMENT

Plan your treatment as you have learned from your Alcon CAS and save it in the database of the WAVENET[™] Server.

4. EXPORT WLZ-FILE

Export Treatment:



• To export a treatment (planned, aborted, completed), select the treatment first and then press **Export** .

ingle Export	
Drive	E: 💌
Filename	
Anonym	ize patient data Export
	Close

Figure 4: Popup Window - Export Treatment

When connecting a USB stick to the Planning station, make sure you use a formatted, virus free USB-stick.

5. EXPORT TOOL

5.1. Import And Export Settings

The Import and Export Settings will be set in the WLZTool.ini File. You will find it in the WLZTool subfolder under C:/WaveLight/WLZTool.

← → × ↑ 📑 > This PC > Local I	Disk (C:) > WaveLight > WLZTool >			
E Pictures	* Name	Date modified	Туре	Size
b Music	7-7in	21/04/2020 11:03	File folder	
Screenshots	DBTree	21/04/2020 11:03	File folder	
Test	LogFiles	08/05/2020 10:39	File folder	
Videos	sqldrivers	21/04/2020 11:03	File folder	
(Hacos	TempFiles	08/05/2020 10:39	File folder	
ConeDrive	libmysgl.dll	30/01/2009 12:07	Application extens	2.020 KB
This PC	msvcp100.dll	18/03/2010 08:15	Application extens	412 KB
2D Objects	QtCore4.dll	06/12/2012 11:04	Application extens	2.542 KB
	QtGui4.dll	26/11/2012 08:46	Application extens	8.375 KB
Desktop	QtNetwork4.dll	26/11/2012 08:22	Application extens	1.028 KB
> E Documents	QtSql4.dll	26/11/2012 08:22	Application extens	197 KB
> 🕂 Downloads	QtXml4.dll	26/11/2012 08:21	Application extens	348 KB
> 🎝 Music	WLZTool.exe	15/04/2020 10:36	Application	925 KB
> E Pictures	WLZTool.ini	08/05/2020 10:39	Configuration sett	1 KB
> F Videos				
🗸 🏪 Local Disk (C:)				
Perflogr				
Deserver Files				
Program Files				
Program Files (x8b)				
> ProgramData				
> Users				
✓				
> 📴 DB				
VLZTool				
7-Zip				
DBTree				
squarivers				
TempFiles				
> Windows				

Figure 5: Import And Export Settings

The Import and Export folder can be individually set in the file WLZTool.ini. The files will be imported from the Input directory and the exported files will be saved in the Export directory.

Set path for Import folder: InDir=C:/ XXXXX Set path for Export folder: OutDir=C:/ XXXXX





i

NOTE

Save file after editing and restart the tool.



Figure 6: Select Import and Export Directory

5.2. Open Export Tool



- Click on the WLZTool Shortcut icon in the Windows Start Menu
- or
- go to C:\WaveLight\WLZTool and open file "WLZTool.exe".



Figure 7: WLZTool Shortcut

→ ✓ ↑ _ → This PC → Local D	Disk (C:) > WaveLight > WLZTool >			
E Pictures	* Name	Date modified	Туре	Size
b Music	7-Zip	21/04/2020 11:03	File folder	
Screenshots	DBTree	21/04/2020 11:03	File folder	
Test	LogFiles	08/05/2020 10:39	File folder	
Videos	sqldrivers	21/04/2020 11:03	File folder	
		08/05/2020 10:39	File folder	
ConeDrive	libmysql.dll	30/01/2009 12:07	Application extens	2.020 KB
This PC	imsvcp100.dll	18/03/2010 08:15	Application extens	412 KB
3D Objects	QtCore4.dll	06/12/2012 11:04	Application extens	2.542 KB
Deckton	🚳 QtGui4.dll	26/11/2012 08:46	Application extens	8.375 KB
	QtNetwork4.dll	26/11/2012 08:22	Application extens	1.028 KB
Documents	🚳 QtSql4.dll	26/11/2012 08:22	Application extens	197 KB
Downloads	QtXml4.dll	26/11/2012 08:21	Application extens	348 KB
> 🎝 Music	WLZTool.exe	15/04/2020 10:36	Application	925 KB
> 📰 Pictures	WLZTool.ini	08/05/2020 10:39	Configuration sett	1 KB
> 📑 Videos				
🖌 🏪 Local Disk (C:)				
Intel				
Perflogs				
Program Files				
> Program Files (x80)				
> ProgramData				
> Users				
✓ WaveLight				
> DB				
VIZTool				
7-Zip				
DBTree				
addriver.				
squarivers				
lempFiles				

Figure 8: Open "WLZTool.exe"

The tool opens and shows the files in case a USB drive is connected and selected.

Version 1.300					- 0	×
● Drive E: ○ C:/Data Imp	port			Export Date		~
Patient 1029-1-100, Human Eye 1 B, B BIX, DAV Doe, John	Date Of Birth 04/26/1990 11/11/1999 01/01/1983 12/12/1977	Patient ID 1422310 12234	Type Plan EX500 Total Plan EX500 Plan EX500	Export Date/Time 07/17/2019 20:54:24 09/27/2019 16:15:59 09/27/2019 16:17:37 09/27/2019 16:19:11		
	Clos	se Sta	art Import			

Figure 9:

5.3. Select Files To Be Processed

Options:

• Select USB drive (files need to be saved in the folder WLExport) or select import path (path needs to be set in WLZTool.ini)

Quick access Desktop	Name ^	Date modified	-	
🖈 Quick access 🔜 Desktop	Export_20190717_2054		Type	Size
Desktop		24.wlz 17/07/2019 20:54	WLZ File	282 KB
	Export 20190719 0040	05.wlz 19/07/2019 00:40	WLZ File	1.006 KB
Downloads	* Export 20190724 1242	38.wlz 01/08/2019 16:25	WLZ File	1.008 KB
Documents	# Export 20190725_0759	09.wlz 01/08/2019 16:25	WLZ File	1.427 KB
Fictures	# Export_20190802_0238	37.wlz 02/08/2019 02:38	WLZ File	1.571 KB
h Music	Export_20190802_0238	55.wlz 02/08/2019 02:38	WLZ File	6 KB
Screenshots	Export_20190802_0247	00.wlz 02/08/2019 02:47	WLZ File	501 KB
Tert	Export_20190802_0301	14.wlz 02/08/2019 03:01	WLZ File	1.572 KB
	Export_20190927_1612	01.wlz 27/09/2019 16:12	WLZ File	1.341 KB
Videos	Export_20190927_1615	16.wlz 27/09/2019 16:15	WLZ File	35.124 KB
CneDrive	Export_20190927_1615	59.wlz 27/09/2019 16:16	WLZ File	36.893 KB
This DC	Export_20190927_1617	737.wlz 27/09/2019 16:17	WLZ File	761 KB
ins PC	Export_20190927_1619	11.wlz 27/09/2019 16:19	WLZ File	373 KB
J 3D Objects	Export_20190927_1620	00.wlz 27/09/2019 16:20	WLZ File	659 KB
Desktop	Export_20190927_1620	39.wlz 27/09/2019 16:20	WLZ File	464 KB
Documents	Export_20190927_1621	17.wlz 27/09/2019 16:21	WLZ File	6 KB
Downloads	Export_20190927_1621	44.wlz 27/09/2019 16:21	WLZ File	5 KB
Music	Export_20190927_1622	21.wlz 27/09/2019 16:22	WLZ File	893 KB
Pictures	Export_20190927_1622	59.wlz 27/09/2019 16:23	WLZ File	825 KB
Videos	Export_20191002_1352	11.wlz 02/10/2019 13:52	WLZ File	501 KB
Local Dirk (C)	Export_20191002_1354	39.wlz 02/10/2019 13:54	WLZ File	501 KB
Data import				
Intel				
PerfLogs				
Program Files				
Program Files (x86)				
ProgramData				
Users				
> WaveLight				
Windows				
Willows				
WLDataExport				
USB Drive (E:)				
WLExport				
AG HDD - 465GB (F:)				
AG HDD - 465GB (F:)				
USB Drive (E:)				
Metwork				

Figure 10: USB file structure

Version 1.300				-	>
● Drive E: 🔄 O C:/Data Impo	ort			Export Date All	~
Patient 1029-1-100, Human Eye 1 B, B BIX, DAV Doe, John	Date Of Birth 04/26/1990 11/11/1999 01/01/1983 12/12/1977	Patient ID 1422310 12234	Type Plan EX500 Total Plan EX500 Plan EX500	Export Date/Time 07/17/2019 20:54:24 09/27/2019 16:15:59 09/27/2019 16:17:37 09/27/2019 16:19:11	
	Clos	se Sta	rt Import		

Figure 11: Export Filter



- Select Export Date
- Select Patients



5.4. Importing Data

By clicking on "Start Import", the data will be processed.

Version 1.3	300				-	×
	Progress:				60%	
		Reading	data from WLZ	file		
			Cancel			



5.5. Import Completed

Version 1.3	D		—		×
	Progress:	1	100%		
				_	
	Import successfu	ully finished.			
	Please verify data	after import!			
	Back				

Figure 13: Import Completed

6. EXPORTED FILE STRUCTURE

There will be two files generated and saved in the previous selected output folder, which consists of a csv-file containing patient data and an image of the Higher Order aberration ablation file.

IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII							
\leftarrow \rightarrow \checkmark \uparrow \square \Rightarrow This PC \Rightarrow Lo	cal Disk (C:) > Data Export						
Downloads	* ^	Name	Date	Туре	Size	Tags	
E Documents	*	Doe John 12 12 1977 12234 TOPO-G 09 27 2019 16 18 53 OD HOA planned.png	08/05/2020 11:30	PNG File	92	KB	
E Pictures	1	Doe_John_12_12_1977_12234_TOPO-G_OD.csv	08/05/2020 11:30	CSV File	1	КВ	
Screenshots							
Test							
WLExport							
WLZTool							
> 🐔 OneDrive							
🖌 💻 This PC							
> 🧊 3D Objects							
> 📃 Desktop							
> 🗄 Documents							
> 🕹 Downloads							
> 👌 Music							
> 📰 Pictures							
> 📓 Videos							
🛩 🏪 Local Disk (C:)							
Data Export							
Data Import	_						
Intel							
PerfLogs							

Figure 14: File Structure

6.1. Exported CSV File



Figure 15: Exported CSV File

CSV file structure: Name_First name_DOB_Treatment Type_Eye_.csv

6.2. Exported CSV File converted to Excel



Figure 16: Exported CSV File (File Already Imported Into Excel)

6.3. HOA - Ablation Profile



Figure 17: HOA Ablation Profile (Example)

File Name structure: Name_First name_DOB_Treatment Type_Date Planned_Time Planned_Eye_HOA_planned.png

7. LOGFILE

A logfile is being created to document the usage of the tool. The logfiles are located in a subfolder of the WLZTool root folder.

→ * ↑ → This PC → Local Dis	k (C:) → WaveLight → WLZTool →			
E Pictures	🖈 ^ Name	Date modified	Туре	Size
b Music	7-Zip	21/04/2020 11:03	File folder	
Screenshots	DBTree	21/04/2020 11:03	File folder	
Test	LogFiles	08/05/2020 10:39	File folder	
Videos	sqldrivers	21/04/2020 11:03	File folder	
	TempFiles	08/05/2020 10:39	File folder	
ConeDrive	libmysql.dll	30/01/2009 12:07	Application extens	2.020 KB
🛄 This PC	imsvcp100.dll	18/03/2010 08:15	Application extens	412 KB
3D Objects	QtCore4.dll	06/12/2012 11:04	Application extens	2.542 KB
Desktop	QtGui4.dll	26/11/2012 08:46	Application extens	8.375 KB
	QtNetwork4.dll	26/11/2012 08:22	Application extens	1.028 KB
	QtSql4.dll	26/11/2012 08:22	Application extens	197 KB
Downloads	QtXml4.dll	26/11/2012 08:21	Application extens	348 KB
J Music	WLZTool.exe	15/04/2020 10:36	Application	925 KB
Pictures	WLZTool.ini	08/05/2020 10:39	Configuration sett	1 KB
Videos				
🖌 🏪 Local Disk (C:)				
Intel				
PerfLogs				
> Program Files				
> Program Files (x86)				
> ProgramData				
> Users				
V WaveLight				
> DB				
V WLZTool				
7-Zip				
DBTree				
squarivers				

Figure 18: Logfile folder location

The logfile traces errors, which happened during the use of the tool. Every time the tool is started, a new logfile is being created.

This PC > Local Di Solution	lisk (C:) > WaveLight >	WLZTool > LogFiles > 2020_19					V O Search avev_19	
Downloads	* ^	Name	Date modified	Туре	Size			
Documents	1	WLZTool 20200508 103945.log	08/05/2020 10:39	Text Document	1	KB		
Pictures	1	WLZTool 20200508 104729.log	08/05/2020 10:47	Text Document	1	KB		
2020_19		WLZTeel 20200508 105638.log	08/05/2020 10:56	Text Document	1	KB		
creenshots		WLZTool_20200508_105721.log	08/05/2020 10:57	Text Document	1	KB		
est		WLZTool_20200508_111508.log	08/05/2020 11:15	Text Document	1	KB		
RZTeel		WLZTool_20200508_111700.log	08/05/2020 11:17	Text Document	1	KB		
		WLZTool_20200508_111725.log	08/05/2020 11:17	Text Document	1	KB		
eDrive		WLZTool_20200508_111748.log	08/05/2020 11:17	Text Document	1	KB		
s PC		WLZTool_20200508_111810.log	08/05/2020 11:18	Text Document	1	KB		
0 Objects		WLZTool_20200508_111826.log	08/05/2020 11:18	Text Document	1	KB		
esktop		witz1001_20200508_111850.log	05/05/2020 11:18	Text Document	1	ND VID		
ocuments		WI ZTool 2020008 11208 https://www.	08/05/2020 11:19	Text Document		ND VD		
aminade		WIZTool 20200508 113731.log	08/05/2020 11:37	Text Document		¥E		
Jun and an		C. manual and a second a second		rent processer				
units.								
usic		WLZTool 20200508 113731.log - M	Notepad			x		
usic :tures		WLZTeol_20200508_113731.log - M	Notepad			X		
lusic ctures Jeos		WLZTool_20200508_113731.log - M File Edit Format View Help /* WLZTool Logfile (WLZTor	Notepad ol - Version 1.300	1) */		x		
usic ctures deos cal Disk (C:)		WLZTeol_20200508_113731.log-h File Edit Format View Help /* WLZTool Logfile (MLZTor /* created 08.05.2020 */	Notepad ol - Version 1.300) */		×		
usic ctures deos cal Disk (C:) Jata Esport		<pre>WLZTool_20200508_113731.log - N File Edit Format View Help /* WLZTool LogFile (WLZToo /* created 08.05.2020 */ 11:37:31.587 Command line ************************************</pre>	Noteped ol - Version 1.300 C:\WaveLight\WLZT) */ ool\WLZTool.ex	e	×		
usic ctures deos cal Disk (C:) Jata Export Jata Import		<pre>WLZTeol_20200508_113731.log -P File Edit Format View Help /* WLZTeol_Logfile (WLZTe) /* created 08.05.2020 */ 11:37:35.535 File Export_ 11:37:36.535 File Export_ 11:37:9.033 Start readIm</pre>	Noteped ol - Version 1.300 C:\WaveLight\WLZT 20190927_161911.w1 g data from NU 7 fi) */ ool\WLZTool.exe z le Export 2019	e 2927 16191	×	No preview availa	ble.
usic ctures deos cal Disk (C:) Data Export Data Import atel		WLZTeol_22200508_113731.log - P File Edit Format View Help /* WLZTeol Logfile (WLZTeo /* created 08.05.2020 */ 11:37:31.587 Command line 11:37:36.535 File Export_ 11:37:39.023 Start reading trea 11:37:39.5138 Reading trea	Notepad ol - Version 1.300 C:\WaveLight\WLZT 20190927_161911.w1 g data from WLZ fi tment data from data) */ ool\WLZTool.ex z le Export_2019 tabase	e 8927_16191	X	No preview availa	ible.
usic ctures ceal Disk (C:) Data Export Data Import ntel VerfLogs		WLZToci_22200598_113731.log-6 File Edit Format View Help V* NLZToci Logfile (NLZToci V* created 08.05.2208 */ 11:37:31.587 Command Line 11:37:35.535 File Export_ 11:37:39.023 Start reading 11:37:39.643 TOPO-6 treat	Notepad ol - Version 1.300 C:\WaveLight\WLZT 20190927_161911.wl g data from NLZ fi tment data from da ment found) */ ool\WLZTool.ex; z le Export_2019 tabase	e 8927_16191	×	No preview availab	isle.
usic ctures deos cal Disk (C.) Data Export Data Import ntel wrth.gs: trogram Files		WLZTooL22200508_113731.iog-F Fie Edit Format View Help /* WLZTooL Logfile (WLZToo /* created 08.05.2020 */ 11:37:31.587 Command line 11:37:35.355 File Export 11:37:39.023 Strart reading tree 11:37:39.643 T0P0-6 treat 11:37:39.640 Profile data	Noteped ol - Version 1.300 C:\WaveLight\WLZT 20190927_161911.w1 g data from WLZ fi tment found successfully writ	0) */ 2 le Export_2019 tabase ten to file C:;	e 0927_16191 /Data Expo	X	No preview availab	iole.
usic thures cal Disk (C.) Jata Export Jata Import ntel Verguan Files Yoguan Files (NB)		WLTter_2000008_111771 log-f Fite Est Format Verse Heip /* NLTCol.Logfl.10 (NLTC) /* created 08.05.2020 */ 11:3731.557 Commad line 11:377.36.535 File Export_ 11:377.30.538 ReadIng trea 11:377.39.518 ReadIng trea 11:377.39.518 ReadIng trea 11:377.39.500 Profile data 11:377.39.500 Profile data	Noteped ol - Version 1.300 C:\WaveLight\WLZT 20190927_16191wl g data from NLZ ff tment data from da ment found successfully writ ta successfully writ ta successfully iniched) */ col\WLZTcol.ex z le Export_20194 tabase ten to file (:, itten to file (e 0927_16191 /Data Expo C:/Data Ex	X	No preview availab	iole.
usic chures deos cal Disk (C.) Data Export Data Export Data Export tatel NetLogs Program Files Program Files (b8) Program Files (b8)		WLTter_2020008_111371.log-f Fit Est Format View Heip (* MLTIOL Logf11e (MLTIOL /* created 08.05,2020 */ 11:37:15.555 Fils Export_ 11:37:35.555 Fils Export_ 11:37:35.518 Reading treat 11:37:39.508 Format Jine 11:37:39.600 Provinti data 11:37:39.600 Provinti data	Noteped ol - Version 1.300 C:\WaveLight\WLZT 20190927_16191.uk g data from NLZ fi tment data from da ment found successfully writ ta successfully writ ssfully finished) =/ col\WLZTcol.exu z le Export_2019 tabase ten to file (; itten to file (e 0927_16191 /Data Expo C:/Data Ex	X	No preview svaidd	ble.
usic turus deos cal Disk (c) tata Export tel vell ogs rogum Files togum Files togum Files togum Files tegam Duba		WLTter_2000000_111771 log-f Fie Est Format Verse Heip /* NLTCol.Logfl.10 (ULTC) /* created 80.85.2020 */ 11:377.15.95 Commad Line Export_ 11:377.35.35 File Export_ 11:377.35.35 Start reading tree 11:377.35.35 Start reading tree 11:377.35.06 Profile data 11:377.35.60 Profile data 11:377.35.60 Profile data	<pre>koteped ol - Version 1.300 C:\WaveLight\WLZ1 20190927_151911.w1 g data from NLZ fi tment found successfully wnti a successfully wnti ssfully finished</pre>) */ col\WLZTool.exe 2 Export_2019 tabase ten to file C: itten to file 0	e 0927_16191 /Data Expo C:/Data Ex	- C X	No preview availat	iole.
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Figure 19: Logfiles

The following errors are documented:

- 0 = No error
- 1 = Invalid settings
- 2 = No WLZ file found
- 3 = Error during DB creation
- 4 = Error during initialization
- 5 = Error during start of import
- 6 = Output file open error
- 7 = Output file write error
- 8 = No treatment found in WLZ file

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8. RUNNING THE TOOL USING A COMMAND LINE

The tool can be run also using command line syntax. Here are two examples:

C:/WaveLight/WLZTool/WLZTool.exe --files C:/Data_Import/*.wlz --outdir C:/Data_Export

- All WLZ files which are located in folder C:/Data_Import will be processed and saved in the folder C:/Data_Export

C:/WaveLight/WLZTool/WLZTool.exe --files E:/WLExport/*.wlz --outdir C:/Data_Export

- All WLZ files which are located in the USB drive will be processed and saved in the folder C:/Data_Export

Once the command line is activated, the tool will show the following screen and closes, when the data is processed.



Figure 20: Command Line

Running the tool using a command line

8.1. Exported Data

If data is imported into Excel, the columns contain the following parameters:

Column	Name in Excel file	Explanation
Column 1	Name	Family name
Column 2	First name	First name
Column 3	DOB	Date of Birth
Column 4	Date Planned	Date Planned
Column 5	Time Planned	Time planned
Column 6	Patient ID	Patient ID number
Column 7	Eye	Eye OD/OS
Column 8	Treatment Type	WFO of Topo-G
Column 9	Treatment State	Always "Planned"
Column 10	Preop Sphere	Preop Sphere
Column 11	Preop Cylinder	Preop Cylinder
Column 12	Preop Axis	Preop Axis
Column 13	Preop VD	Preop Vertex distance
Column 14	Target Sphere	Measured (Topo-G) / Target Sphere (WFO)
Column 15	Target Cylinder	Measured (Topo-G) / Target Cylinder (WFO)
Column 16	Target Axis	Measured (Topo-G) / Target Axis (WFO)
Column 17	Target VD	Measured (Topo-G) / Target Vertex distance (WFO)
Column 18	Correction Sphere	Spherical correction
Column 19	Correction Cylinder	Cylinder correction
Column 20	Correction Axis	Corrected Axis
Column 21	Correction VD	Corrected VD
Column 22	Optical Zone	Optical zone
Column 23	Max Ablation	Maximum Ablation
Column 24	Central Ablation	Central Ablation

Column	Name in Excel file	Explanation
Column 25	Maximum Ablation HOA	Maximum Ablation HOA
Column 26	Central Ablation HOA	Central Ablation HOA
Column 27	Tilt	Tilt
Column 28	C01	Zernike coefficient C1-C27
Column 29	C02	Zernike coefficient C1-C27
Column 30	C03	Zernike coefficient C1-C27
Column 31	C04	Zernike coefficient C1-C27
Column 32	C05	Zernike coefficient C1-C27
Column 33	C06	Zernike coefficient C1-C27
Column 34	C07	Zernike coefficient C1-C27
Column 35	C08	Zernike coefficient C1-C27
Column 36	C09	Zernike coefficient C1-C27
Column 37	C10	Zernike coefficient C1-C27
Column 38	C11	Zernike coefficient C1-C27
Column 39	C12	Zernike coefficient C1-C27
Column 40	C13	Zernike coefficient C1-C27
Column 41	C14	Zernike coefficient C1-C27
Column 42	C15	Zernike coefficient C1-C27
Column 43	C16	Zernike coefficient C1-C27
Column 44	C17	Zernike coefficient C1-C27
Column 45	C18	Zernike coefficient C1-C27
Column 46	C19	Zernike coefficient C1-C27
Column 47	C20	Zernike coefficient C1-C27
Column 48	C21	Zernike coefficient C1-C27
Column 49	C22	Zernike coefficient C1-C27
Column 50	C23	Zernike coefficient C1-C27
Column 51	C24	Zernike coefficient C1-C27
Column 52	C25	Zernike coefficient C1-C27
Column 53	C26	Zernike coefficient C1-C27
Column 54	C27	Zernike coefficient C1-C27

Table 1: Exported Parameters

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