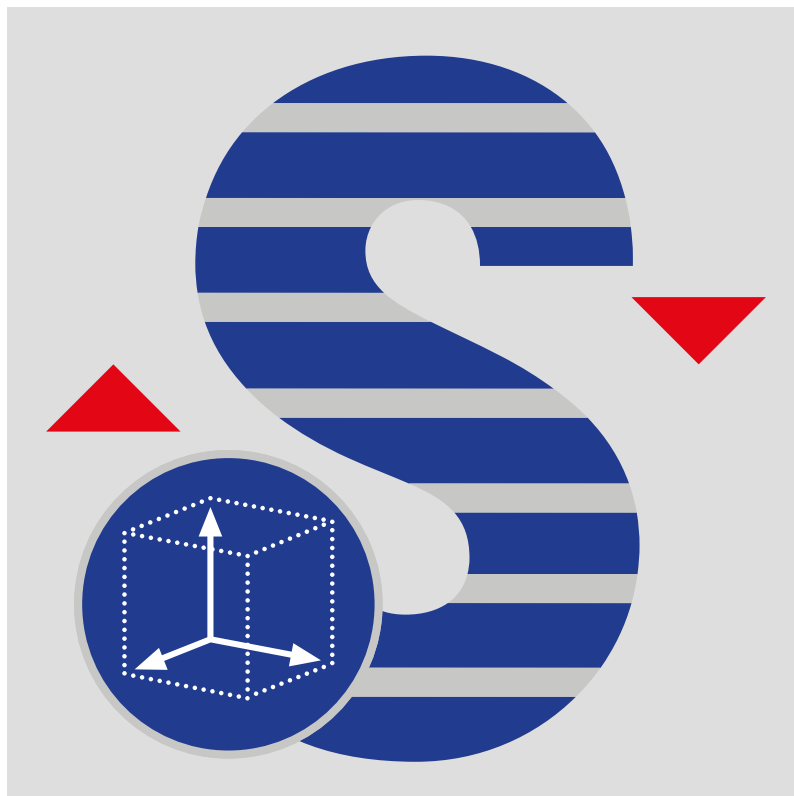




Coordinate Exporter

User Manual 07/2017



Content

1	Introduction	3
2	Installation	3
3	Licensing	4
3.1	License models	4
3.1.1	Full license	4
3.1.2	Demo (limited functions)	4
4	Activation process	5
5	User interface	6
6	Export format	7
7	Known issues	7
8	End User License Agreement	8

Coordinate Exporter

1 Introduction

With the help of the Coordinate Exporter local and global coordinates of spheres, checkerboards, circularflat targets, point3ds and scannerpositions will be exported fast and automatic. These are useful for statistical analysis or to check the accommodation with an external tool.

2 Installation

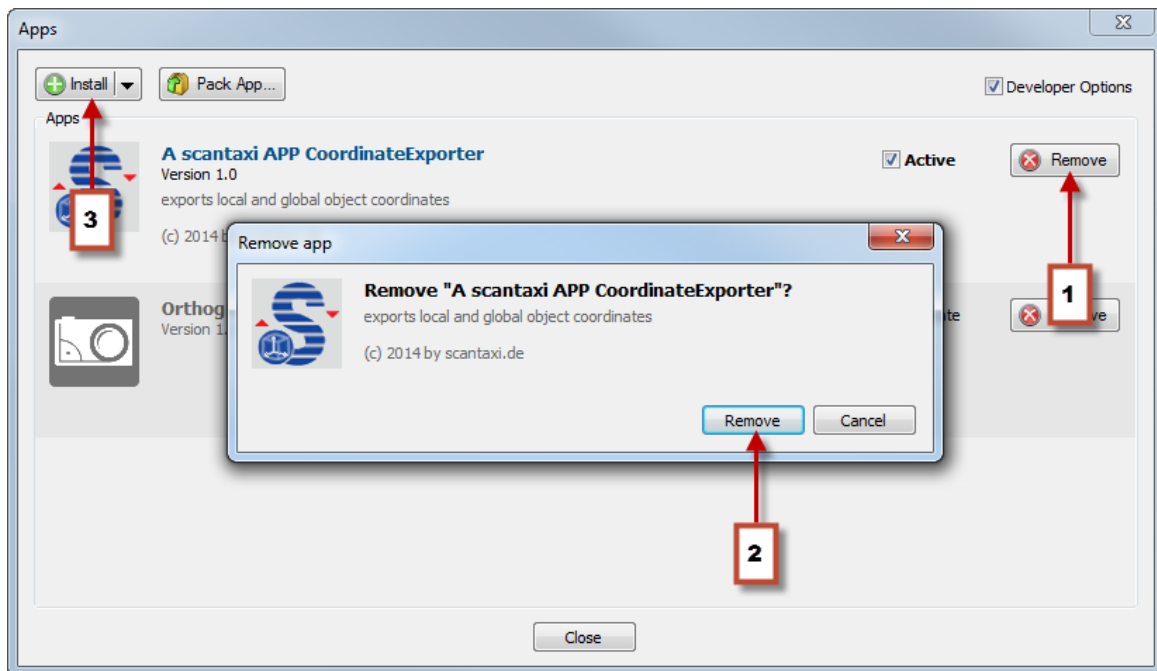


Figure 1: SCENE App Dialog

As part of the installation procedure of the new version, the old version has to be removed (1, 2). Following this, Coordinate Exporter can be installed via App Manager (3), drag and drop or by double clicking on the app file in the explorer.

scantaxi software: <http://www.scantaxi.de/software.html>

Latest version: <http://www.scantaxi.de/software/CooRex.html>

Coordinate Exporter

3 Licensing

3.1 License models

Coordinate Exporter is available as:

3.1.1 Full license

- Coordinate Exporter can be used without any limitation
- a license can be purchased in the FARO 3D App Center (<http://www.faro.com/faro-3d-app-center>)
- See chapter 4 for activation process

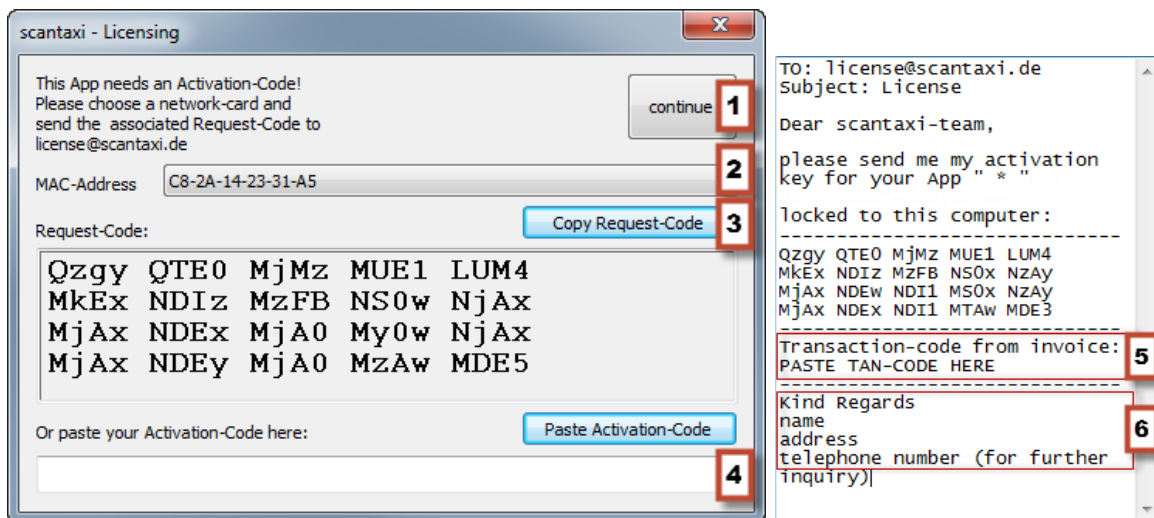
3.1.2 Demo (limited functions)

- Coordinate Exporter can be used without a license
- functions limited

Coordinate Exporter

4 Activation process

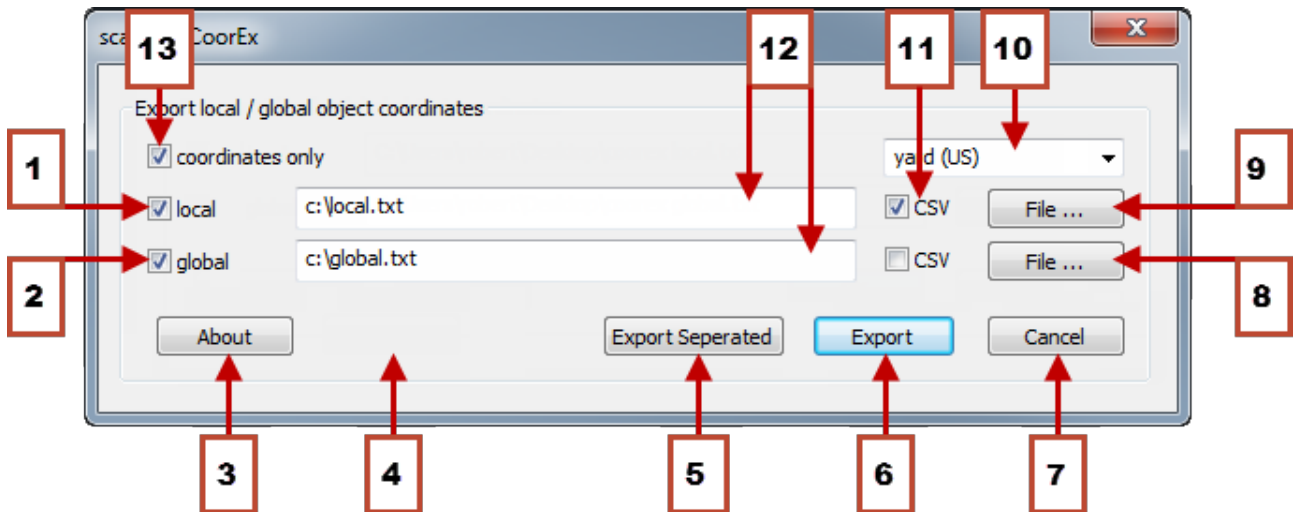
Starting Coordinate Exporter without a valid license will prompt the licensing dialog. A full license can be purchased or an one week trial requested.



- Select a MAC address (2)
- Press "Copy Request-Code" to copy the e-mail to the clipboard (3)
- Copy clipboard to email
- Enter transaction number from invoice (5) and your contact information (6)
- Send e-mail to license@scantaxi.de
- Paste received activation code (4)
- Activate license (1)

Coordinate Exporter

5 User interface



1. enable / disable local coordinate export
2. enable / disable global coordinate export
3. start about dialog
4. start licensing dialog
5. start seperated scan export
6. start export
7. cancel export
8. select file for global coordinate export
9. select file for local coordinate export
10. select unit for export
11. select for CSV export
12. enter path for local/global coordinate export
13. object names and coordinates will be exported only

Coordinate Exporter

6 Export format

Coordinate Exporter exports every scan of a project and its objects (point3d, circularflattargets, checkerboards, spheres). For each scan- and object coordinates (local/global), path in the tree and the type will be exported. Each sphere radius will be stored also.

If the "export separated" button is used, all coordinates will be exported per scan in addition to the local- and global-file. Coordinate Exporter will create an additional directory, containing a text-file for each scan, containing the coordinates. The directory will be the same name as entered in the local and global field, without the extension.

e.g. local Name is "C:\export\Tuch_150227.txt" and the directory will be named "C:\export\Tuch_150227".

The file per scan will be named with the scan-name!

The unit (fig. 2) of the coordinates can be selected before the export starts.

Precision of coordinates in the demo mode is limited and the unit will be meter, always.

1 meter			1 meter
1 cm			0.001 meter
1 mm			0.0001 meter
1 yard	3ft	36 inch	0.9144 meter
1 foot		12 inch	0.3048 meter
1 inch			0.0254 meter
1 yard US	3ft US	36 inch US	3600/3937 meter
1 foot US		12 inch US	1200/3937 meter
1 inch US			100/3937 meter

Figure 2: basis of calculation

#	object name	x[yd us]	y[yd us]	z[yd us]	type	radius[yd us]	path
#	Tuch_000	12.581	-35.736	1.036	Scan		/workspace/Scans
	st_s_002	8.348	-35.225	0.796	Sphere	0.0793	/workspace/Scans/Tuch_000
	9015x	4.958	-33.815	0.519	Sphere	0.0793	/workspace/Scans/Tuch_000
	9000x	-14.576	-31.093	0.331	Sphere	0.0793	/workspace/Scans/Tuch_000
	st_s_005	12.876	-3.452	0.520	Sphere	0.0793	/workspace/Scans/Tuch_000
	st_s_001	14.468	-14.611	1.551	Sphere	0.0793	/workspace/Scans/Tuch_000
	9014x	25.380	-36.984	0.675	Sphere	0.0793	/workspace/Scans/Tuch_000
	st_P_001	16.487	-30.598	1.842	Point3d		/workspace/Scans/Tuch_000
	st_P_008	21.900	-30.803	1.199	Point3d		/workspace/Scans/Tuch_000
	Tuch_001	11.585	-27.701	1.238	Scan		/workspace/Scans
	st_s_001	14.444	-14.613	1.551	Sphere	0.0793	/workspace/Scans/Tuch_001
	st_s_005	12.850	-3.455	0.520	Sphere	0.0793	/workspace/Scans/Tuch_001
	st_s_004	9.503	-4.913	1.432	Sphere	0.0793	/workspace/Scans/Tuch_001
	st_s_003	10.630	-17.525	0.548	Sphere	0.0793	/workspace/Scans/Tuch_001
	9015x	4.937	-33.814	0.521	Sphere	0.0793	/workspace/Scans/Tuch_001
	st_s_002	8.324	-35.221	0.796	Sphere	0.0793	/workspace/Scans/Tuch_001
	9014x	25.359	-36.982	0.673	Sphere	0.0793	/workspace/Scans/Tuch_001

Figure 3: example export

7 Known issues

- Unloading the app while running will cause SCENE to crash

Coordinate Exporter

8 End User License Agreement

This Software License Agreement is part of the Operating Manual for the product and software System which you have purchased from scantaxi UG (haftungsbeschränkt) (collectively, the "Licensor"). By your use of the software you are agreeing to the terms and conditions of this Software License Agreement. Throughout this Software License Agreement, the term "Licensee" means the owner of the System.

- I The Licensor hereby grants the Licensee the non exclusive right to use the computer software described in this Operating Manual (the "Software"). The Licensee shall have no right to sell, assign, sub-license, rent or lease the Software to any third party without the Licensor's prior written consent.
- II The Licensor further grants the Licensee the right to make a backup copy of the Software media. The Licensee agrees that it will not decompile, disassemble, reverse engineer, copy, transfer, or otherwise use the Software except as permitted by this Agreement. The Licensee further agrees not to copy any written materials accompanying the Software.
- III The Licensee is licensed to use the Software only in the manner described in the Operating Manual. Use of the Software in a manner other than that described in the Operating Manual or use of the Software in conjunction with any non-Licensor product which decompiles or recompiles the Software or in any other way modifies the structure, sequence or function of the Software code, is not an authorized use, and further, such use voids the Licensor's set forth below.
- IV The only warranty with respect to the Software and the accompanying written materials is the warranty, if any, set forth in the Quotation/Purchase Order and Warranty Appendix B pursuant to which the Software was purchased from the Licensor.
- V THIS WARRANTY IS IN LIEU OF OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE WITH RESPECT TO THE SOFTWARE AND WRITTEN MATERIALS. IN NO EVENT WILL THE LICENSOR BE LIABLE FOR DAMAGES, INCLUDING ANY LOST PROFITS OR OTHER INCIDENTAL OR CONSEQUENTIAL DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE SOFTWARE, NOTWITHSTANDING THAT THE LICENSOR HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, THE LICENSOR WILL NOT BE LIABLE FOR ANY SUCH CLAIM BY ANY OTHER PARTY.
- VI In the event of any breach by the Licensee of this Agreement, the license granted hereby shall immediately terminate and the Licensee shall return the Software media and all written materials, together with any copy of such media or materials, and the Licensee shall keep no copies of such items.
- VII The interpretation of this Agreement shall be governed by the following provisions:
 - a This Agreement shall be construed pursuant to and governed by the substantive laws of Germany.
 - b If any provision of this Agreement is determined by a court of competent jurisdiction to be void and non-enforceable, such determination shall not affect any other provision of this Agreement, and the remaining provisions of this Agreement shall remain in full force and effect. If any provision or term of this Agreement is susceptible to two or more constructions or interpretations, one or more of which would render the provision or term void or non-enforceable, the parties agree that a construction or interpretation which renders the term of provision valid shall be favored.
 - c This Agreement constitutes the entire Agreement, and supersedes all prior agreements and understandings, oral and written, among the parties to this Agreement with respect to the subject matter hereof.
- VIII If a party engages the services of an attorney or any other third party or in any way initiates legal action to enforce its rights under this Agreement, the prevailing party shall be entitled to recover all reasonable costs and expenses (including reasonable attorney's fees before trial and in appellate proceedings).