

Technical Note

Connecting TcpStereo to CAD

(TcpStereo_en_v2.0_cad_connection)

Update Date

20/04/2021

Objective

Connect TcpStereo with one of the compatible CADs, for stereo plotting.

Requirements

CAD versions:

AutoCAD 2004 to 2021 for 32 bits and 2008 to 2021 for 64 bits

BricsCAD v9 to v21 for 32 bits and v13 to v21 for 64 bits

ZwCAD 2019 to 2021 for 32 and 64 bits

Hardware:

Desktop / Laptop

Software:

TcpStereo v2.0

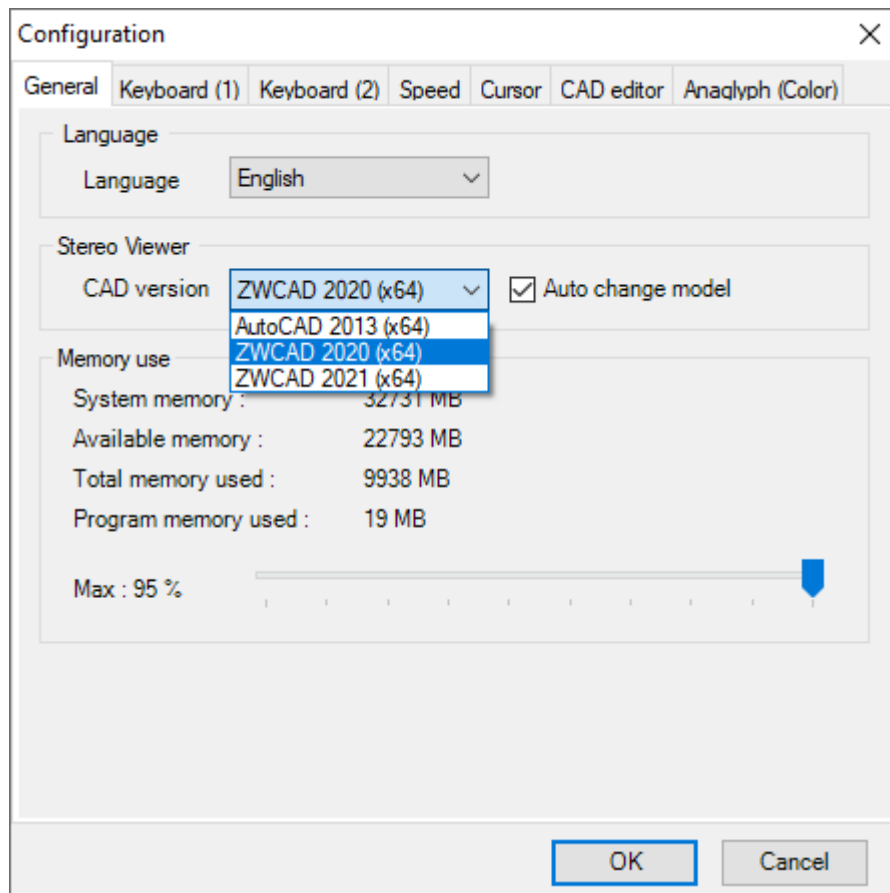
Compatible CAD

Operating System:

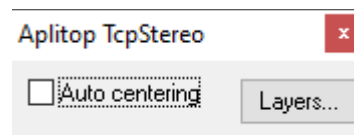
Windows 7 to Windows 10

Details

- 1) For TcpStereo to register automatically with the CADs you want to use, before installing TcpStereo, make sure you have these CADs installed.
- 2) If you already have TcpStereo installed and you wish to use another CAD (of those compatible with TcpStereo), you have 2 alternatives:
 - a. Uninstall TcpStereo, install the new CAD and reinstall TcpStereo.
 - b. Install the new CAD and proceed to step 3.
- 3) Launch TcpStereo, and in the menu bar click on **Tools > Configuration**
- 4) In the configuration window, under the **General** tab, a drop-down list is displayed with all the CADs installed on your computer and detected by TcpStereo that are compatible.



- 5) Select the CAD you want to use and click OK.
- 6) In TcpStereo create a new project or open an existing project. If you do not have the data to create a new one, you can open one of the sample projects that are installed with the application.
- 7) Once the project is open, click on the **CAD** button in the TcpStereo toolbar. After a few seconds, the CAD application of your choice should open, and if the application was registered correctly during installation, a small window should also appear to interface between TcpStereo and the CAD:



- 8) If the CAD application does not start, please contact Aplitop's support service.
- 9) If the CAD starts, but the small interconnection window is not displayed, follow the process below:
 - a. In AutoCAD:
 - Type in the AutoCAD command line the command **ARX**.

- Then type on the command line the option **Load**.
- In the ARX file selection window displayed by AutoCAD, navigate to the CAD subfolder of TcpStereo, which defaults to:
C:\Program Files (x86)\Aplitop\TcpStereo\CAD
- The file to be selected is called **AplitopTcpStereo.ARX** and can be found in the corresponding sub-folder according to the following table:

VERSION	PLATFORM	SUBFOLDER
2004 (R16.0)	x86	r16
2005 (R16.1)	x86	r16
2006 (R16.2)	x86	r16
2007 (R17.0)	x86	r17
2008 (R17.1)	x86	r17
2008 (R17.1)	x64	r17.1x64
2009 (R17.2)	x86	r17
2009 (R17.2)	x64	r17.1x64
2010 (R18.0)	x86	r18
2010 (R18.0)	x64	r18x64
2011 (R18.1)	x86	r18
2011 (R18.1)	x64	r18x64
2012 (R18.2)	x86	r18
2012 (R18.2)	x64	r18x64
2013 (R19.0)	x86	r19
2013 (R19.0)	x64	r19x64
2014 (R19.1)	x86	r19
2014 (R19.1)	x64	r19x64
2015 (R20.0)	x86	r20
2015 (R20.0)	x64	r20x64
2016 (R20.1)	x86	r20
2016 (R20.1)	x64	r20x64
2017 (R21.0)	x86	r21
2017 (R21.0)	x64	r21x64
2018 (R22.0)	x86	r22
2018 (R22.0)	x64	r22x64
2019 (R23.0)	x86	r23
2019 (R23.0)	x64	r23x64
2020 (R23.1)	x86	r23
2020 (R23.1)	x64	r23x64
2021 (R24.0)	x64	r24x64

b. In BricsCAD:

- Type in the BricsCAD command line the command **APPLOAD**.
- In the load file window displayed by BricsCAD, click on the button to add a new application file.
- In the file selection window displayed by BricsCAD, go to the CAD subfolder of TcpStereo, which is by default:

C:\Program Files (x86)\Aplitop\TcpStereo\CAD

- The file to be selected has the name ***AplitopTcpStereo.DLL*** and can be found in the corresponding subfolder according to the following table:

VERSION	PLATFORM	SUBFOLDER
9	x86	bricscad9
10	x86	bricscad10
11	x86	bricscad11
12	x86	bricscad12
13	x86	bricscad13
13	x64	bricscad13x64
14	x86	bricscad14
14	x64	bricscad14x64
15	x86	bricscad15
15	x64	bricscad15x64
16	x86	bricscad16
16	x64	bricscad16x64
17	x86	bricscad17
17	x64	bricscad17x64
18	x86	bricscad18
18	x64	bricscad18x64
19	x86	bricscad19
19	x64	bricscad19x64
20	x86	bricscad20
20	x64	bricscad20x64
21	x64	bricscad21x64

c. In ZwcAD:

- Type in the ZwcAD command line the command ***APPLOAD***.
- In the load file window displayed by ZwcAD, click on the add file button.
- In the file selection window displayed by ZwcAD, go to the CAD subfolder of TcpStereo, which by default is:

C:\Program Files (x86)\Aplitop\TcpStereo\CAD

- The file to be selected has the name ***AplitopTcpStereo.ZRX*** and can be found in the corresponding subfolder according to the following table:

VERSION	PLATFORM	SUBFOLDER
2019	x86	zwcad19
2019	x64	zwcad19x64
2020	x86	zwcad20
2020	x64	zwcad20x64
2021	x86	zwcad21
2021	x64	zwcad21x64

- 10) Once the ***AplitopTcpStereo*** file is loaded, the CAD should show the small window for interfacing with TcpStereo. If not, try closing the TcpStereo application, reopen it and click on the ***CAD*** button.

For stereo plotting, follow the TcpStereo reference manual for the use of the application once connected to the CAD.