Software Release
Version 10.9
for
Microsoft Windows

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Cc:	
Classification:	*Public documentation*

Document history summary:

Version	Author	Date	Status	Comment
1.0	3Dconnexion	2024-Jul-26	Final	First document version
2.0	3Dconnexion	2024-Sep-27	Final	Version 10.9.1 update
3.0	3Dconnexion	2024-Dec-9	Final	Version 10.9.2 update
4.0	3Dconnexion	2025-Jan-9	Final	Version 10.9.3 update

Contents

1. Introduction

1.1 Purpose

This document summarizes the changes in 3Dconnexion Software version as specified in section 1.3 below.

1.2 Target Audience

The target audience of this document is the general public using 3Dconnexion products, such as the SpaceMouse, CadMouse and Keyboard Pro.

1.3 Release Version

Release version 10.9.

1.4 Document History

Version 4.0
- Includes information on version 10.9.3 of 3DxWare 10 for Windows.

Version 3.0
- Includes information on version 10.9.2 of 3DxWare 10 for Windows.

Version 2.0
- Includes information on version 10.9.1 of 3DxWare 10 for Windows.

Version 1.0
- Includes information on version 10.9.0 of 3DxWare 10 for Windows, published on July 26, 2024.

1.5 References

None.

2. Release Highlights

The following is a list of the most important changes and updates in this release.

2.1 Release of January 9, 2025

- Update 3DxWare 10 to version 10.9.3.
- New: Support version 2412 Series of Siemens NX.
- Note: Stability improvements and additional feature enhancements to driver software and the plug-in software for Trimble SketchUp Desktop.

2.2 Release of December 9, 2024

- Update 3DxWare 10 to version 10.9.2.
- New: 16 new driver configurations, including for "SketchUp for Web".
- New: "Global settings" for all CadMouse models and NPP.
- New: Support for SOLIDWORKS 2025 Desktop and Connected.
- New: Navigation Library solution for Siemens Solid Edge.
- Note: Stability improvements and additional feature enhancements to driver software and plug-in software for Autodesk 3ds Max, AutoCAD and Maya and Trimble SketchUp Desktop.

2.3 Release of September 27, 2024

- Update 3DxWare 10 to version 10.9.1.
- New: Support version 2025 of Maxon Cinema 4D.
- New: Driver configurations for Maxon ZBrushCore, Esri ArcGIS Pro, Graebert ARES Commander and multiple 3Shape applications.
- Note: Stability improvements and additional feature enhancements to driver software and the plug-in software for Autodesk Maya, PTC Creo Parametric and Trimble SketchUp Desktop.

2.4 Release of July 26, 2024

- Update 3DxWare 10 to version 10.9.0.
- New: Global Mapping feature for Keyboard Pro devices.
- New: Center-of-Rotation visualization in Trimble SketchUp.
- Change: Blender driver configuration improvements.
- Note: Stability improvements and additional feature enhancements to driver software.

3. Windows Software

3.1 Description

The 3DxWare 10 product includes most of the 3Dconnexion Windows software available from 3Dconnexion. Two "editions" of the software and respective installation packages are available for distribution:

- **3DxWare32**: includes all x86 (32-bit) Windows driver and plug-in software for all currently supported 3Dconnexion products. This package installs the "3Dconnexion 3DxWare (32-bit)" edition.
- **3DxWare64**: includes all x64 (64-bit) Windows driver and plug-in software for all currently supported 3Dconnexion. This package installs the "3Dconnexion 3DxWare (64-bit)" edition.

3.2 Supported Operating Systems

Supported Windows operating systems on Intel architecture:

- Windows 10 64-bit edition (version 2004 and newer)
- Windows 11

Note: Windows on Arm not supported.

3.3 Supported 3Dconnexion Products

Supported 3Dconnexion products:

- CadMouse
- CadMouse Compact
- CadMouse Compact Wireless
- CadMouse Pro
- CadMouse Pro Wireless
- CadMouse Pro Wireless Left
- CadMouse Wireless
- Keyboard Pro
- Numpad Pro
- SpaceMouse Compact
- SpaceMouse Enterprise
- SpaceMouse Pro
- SpaceMouse Pro Wireless
- SpaceMouse Wireless
- Universal Receiver

3.4 Products in Extended Support Period

Products in the Extended Support period:

- SpaceNavigator
- SpaceNavigator for Notebooks
- SpacePilot Pro

3.5 Changes to 3DxWare 10 for Microsoft Windows

Below is a breakdown of the changes implemented in this 3DxWare 10 version. These changes are listed under the individual components that make up the 3DxWare 10 product suite. If an application is not listed here, it does not mean that the application does not include support for 3D mice, as many applications are supported natively by the software vendor. However, if an application supports 3D mice, you will still need to download and execute 3DxWare 10 to install the device driver (3DxWinCore).

3.5.1 Current Version

The current version of 3DxWare 10: **10.9.3**.

3.5.2 Table of Included Products

The following table lists all included products in 3DxWare 10 and respective version and release date information.

Product Name	Version	Build date
3DxWare 10 for Windows	**10.9.3**	**2024 Dec 20**
3DxAdobe3D	1.5.1	2022 Jan 12
3DxAnalytics	*1.0.3*	*2024 Nov 14*
3DxAutoCAD	*5.9.0*	*2024 Nov 6*
3DxCinema4D	*1.2.0*	*2024 Sep 13*
3DxInventor	2.5.0	2024 Jan 23
3DxLcdApplets (SPP only)	1.5.1	2018 Feb 15
3DxMaya	*6.0.19*	*2024 Dec 2*
3DxMSOffice	1.1.2	2022 Apr 8
3DxNavisworks	1.0.2	2023 May 24
3DxNLServer	*1.4.7*	*2024 Dec 20*
3DxNX	*3.5.9*	*2024 Dec 17*
3DxPhotoshop	2.13.0	2023 Sep 16
3DxProENGINEER	*2.4.10*	*2024 Aug 9*
3DxRevit	1.0.4	2024 May 24
3DxSketchUp	*5.7.1*	*2024 Dec 17*
3DxSolidEdge	*4.0.0*	*2024 Nov 19*
3DxSolidWorks	*3.7.0*	*2024 Nov 19*
3DxStudio	*7.0.18*	*2024 Dec 2*
3DxTrainer	3.2.7	2020 Jul 9
3DxUnity3D	1.0.1	2023 Aug 7
3DxUnreal	1.3.1	2024 Mar 26
3DxViewer10	*1.2.0*	*2024 Jul 18*
3DxWinCore	*17.9.3*	*2024 Dec 19*
DemoPrograms	0.9.7	2019 May 13
LADP	3.06.109	2010 Aug 3

In italic: changed or new product packages since previous major release.

3.5.3 Changes to 3DxWare 10 since v. 10.8.21

The following component products were added (new): None.
The following component products were removed: None.
The following component products were updated: 3DxAnalytics, 3DxAutoCAD, 3DxCinema4D, 3DxMaya, 3DxNLServer, 3DxNX, 3DxProENGINEER, 3DxSketchUp, 3DxSolidEdge, 3DxSolidWorks, 3DxStudio, 3DxViewer10 and 3DxWinCore (driver).

Version 10.9.3 (b671; December 20, 2024). Fourth public release of 10.9.
- Updated: 3DxNLServer v. 1.4.7 (r21316; Dec 20, 2024).
- Updated: 3DxNX v. 3.5.9 (r21306; Dec 17, 2024).
- Updated: 3DxSketchUp v. 5.7.1 (b184, c2777cb; Dec 17, 2024).
- Updated: 3DxWinCore v. 17.9.3 (r21309; Dec 19, 2024).
- New: [WIN-1729] Add support for Siemens PLM NX 2412.1700.
- Change: [WIN-1841] Update USGNX.xml. NX - improved new default profile.
- Fix: [WIN-1809] Closing connection to the NlServer causes deadlock.
- Fix: [WIN-1818] Closing connection to the NlServer causes crash.
- Fix: [WIN-1834] CoR isn't changed after using alt + MMB.

Version 10.9.2 (b665; December 6, 2024). Third public release of 10.9.
- Updated: 3DxAnalytics v. 1.0.3 (r21223; Nov 14, 2024).
- Updated: 3DxAutoCAD v. 5.9.0 (r21200; Nov 6, 2024).
- Updated: 3DxMaya v. 6.0.19 (b155, 30554c9; Dec 2, 2024).
- Updated: 3DxSketchUp v. 5.7.0 (b183, 1aedd8b; Nov 19, 2024).
- Updated: 3DxSolidEdge v. 4.0.0 (b17, fb23e0a; Nov 19, 2024).
- Updated: 3DxSolidWorks v. 3.7.0 (r21234; Nov 19, 2024).
- Updated: 3DxStudio v. 7.0.18 (b122, e5a7643; Dec 2, 2024).
- Updated: 3DxWinCore v. 17.9.2 (r21278; Dec 6, 2024).
- New: [WIN-1811] Add support for SOLIDWORKS version 2025

- New: [WIN-1341] Navigation Library solution for Siemens Solid Edge add-in.
- New: [WIN-1749] Add new configuration file "D5_Render.xml" for D5 Render.
- New: [WIN-1750] Add new configuration file "ApplianceDesigner.xml" for 3Shape Appliance Designer.
- New: [WIN-1758] Add new configuration file "KeyShot.xml" for Luxion KeyShot.
- New: [WIN-1760] Add new configuration file "ALLPLAN.xml" for ALLPLAN.
- New: [WIN-1761] Add new configuration file "AC3D.xml" for Inivis AC3D.
- New: [WIN-1762] Add new configuration file "3DViewStation.xml" for Kisters 3DViewStation.
- New: [WIN-1763] Add new configuration file "EarMouldDesigner.xml" for 3Shape EarMouldDesigner.
- New: [WIN-1765] Add new configuration file "OrthoAnalyzer.xml" for 3Shape OrthoAnalyzer.
- New: [WIN-1766] Add new configuration file "SEBuilder.xml" for Secret Ear Builder.
- New: [WIN-1767] Add new configuration file "SEDesigner.xml" for Secret Ear Designer.
- New: [WIN-1768] Add new configuration file "SEViewer.xml" for Secret Ear Viewer.
- New: [WIN-1785] Add new configuration file "ELAN_Pro_Panel.xml" for EPLAN Pro Panel.
- New: [WIN-1786] Add new configuration file "EPLAN_CStudio.xml" for EPLAN Cable proD Studio.
- New: [WIN-1787] Add new configuration files "EPLAN_HLibrary.xml" and "EPLAN_HStudio.xml" for EPLAN Harness proD Library and EPLAN Harness proD Studio.
- New: [WIN-1819] Add new configuration file "SketchUp_for_Web.xml" for Trimble SketchUp for Web.
- New: [WIN-1779] Application independent button bank UI for Numpad Pro.
- New: [WIN-1780] Application independent button bank UI for all CadMouse models.
- Change: Use "Object" as the default navigation mode and enable "Lock Horizon" in Autodesk Maya (see [WIN-1825]).
- Change: Use "Object" as the default navigation mode and enable "Lock Horizon" in Autodesk 3ds Max (see [WIN-1824]).
- Fix: [WIN-1783] Upper radial menu command has darker background after using it.
- Fix: [WIN-1810] 3DxService.dll doesn't load on PC with Serbian language.

Version 10.9.1 (b650; September 25, 2024). Second public release of 10.9.
- Updated: 3DxCinema4D v. 1.2.0 (b55, 47fd028; Sep 13, 2024).
- Updated: 3DxMaya v. 6.0.18 (b148, d48c4e9; Sep 16, 2024).
- Updated: 3DxProENGINEER v. 2.4.10 (r21054, branches/v2.4; Aug 9, 2024).
- Updated: 3DxSketchUp v. 5.6.1 (b179, dac63f9; Sep 11, 2024).
- Updated: 3DxWinCore v. 17.9.1 (r21132; Sep 25, 2024).
- New: [WIN-1735] Support version 2025 of Maxon Cinema 4D.
- New: [WIN-1718] Add new configuration for Gstarsoft GstarCAD.
- New: [WIN-1723] Add new configuration for Maxon ZBrushCore.
- New: [WIN-1724] Add new configuration for Esri ArcGIS Pro.
- New: [WIN-1725] Add new configuration for Graebert ARES Commander.
- New: [WIN-1745] Add new configuration for 3Shape ScanItLibrary.
- New: [WIN-1746] Add new configuration for 3Shape ModelBuilder.
- New: [WIN-1747] Add new configuration for 3Shape 3D Viewer.
- New: [WIN-1748] Add new configuration for 3Shape DentalDesigner.
- New: [WIN-1703] Add support for "Walk" navigation mode in Autodesk Maya.
- Change: [WIN-1702] Add "Drone" and "Walk" modes to Maya configuration.
- Change: [WIN-1482] Performance issue in big scenes in Autodesk Maya.
- Change: Update driver configurations for Alibre Design, Chief Architect, Enscape, Exocad, Google Earth Pro, HiCAD, KiCad, MicroStation, Navisworks, ProgeCAD and Twinmotion.
- Fix: [WIN-1522] Disappearing text on OSD.
- Fix: [WIN-1734] The CoR visibility option is not checked by default in Trimble Sketchup Desktop.

Version 10.9.0 (r3773; July 25, 2024). First public release of 10.9.
- Updated: 3DxSketchUp v. 5.6.0 (b176, 86b1058; Jul 16, 2024).
- Updated: 3DxViewer10 v. 1.2.0 (b32, 6e00913; Jul 18, 2024).
- Updated: 3DxWinCore v. 17.9.0 (r21038; Jul 25, 2024).
- New: [PMSW-4] Global Mapping for Keyboard Pro.
- New: [WIN-1184] Implemented the CoR icon display in the viewport. The feature is available only for SketchUp version 2023 and newer.
- Change: [WIN-1666] Improve driver configuration for Blender.

- Change: [WIN-1676] Allow "Modifier+PrtSc" shortcut to be entered as a Quick Macro.
- Change: Minimum supported version of SketchUp changed to 2021. Version 2020 and older no longer supported.
- Change: Upgrade Open Cascade Toolkit (OCCT) dependency to v. 7.8.0 in 3DxViewer10 (see note below).
- Fix: [WIN-1664] Driver feature to stop CadMouse "Smart Scroll" can affect applications.
- Fix: [WIN-1691] KBP Print Screen key in Global Settings does not run SnipAndSketch.
- Note: Support for JT file format not included in open-source release of OCCT.