

# Software Release Version 10.8 for Microsoft Windows

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11.1	3Dconnexion	2023-Mar-3	Final	Document change only
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13.0	3Dconnexion	2023-Aug-14	Final	Version 10.8.15 update
14.0	3Dconnexion	2023-Sep-27	Final	Version 10.8.16 update
15.0	3Dconnexion	2023-Dec-4	Final	Version 10.8.17 update
16.0	3Dconnexion	2024-Feb-20	Final	Version 10.8.18 update
17.0	3Dconnexion	2024-Mar-13	Final	Version 10.8.19 update

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# 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 10.8.

## 1.4 Document History

Version 17.0

- Includes information on version 10.8.19 of 3DxWare 10 for Windows.

Version 16.0

- Includes information on version 10.8.18 of 3DxWare 10 for Windows.

Version 15.0

- Includes information on version 10.8.17 of 3DxWare 10 for Windows.
- Adds information on support for version 2024 of Dassault Systemes SOLIDWORKS added in v. 10.8.15 of 3DxWare 10, released August 14<sup>th</sup>, 2023.

Version 14.0

- Includes information on version 10.8.16 of 3DxWare 10 for Windows.

Version 13.0

- Includes information on version 10.8.15 of 3DxWare 10 for Windows.
- Adds information on support for version 2024 of Autodesk 3ds Max and Maya added in v. 10.8.12 of 3DxWare 10, released February 28<sup>th</sup>, 2023.

Version 12.0

- Includes information on version 10.8.14 of 3DxWare 10 for Windows.
- Version 10.8.13 was not published for general distribution.

Version 11.1

- Adds information on support for version 2023 of Trimble SketchUp Pro (desktop) added in v. 10.8.11 of 3DxWare 10, released November 30<sup>th</sup>, 2022. No changes to software.

Version 11.0

- Includes information on version 10.8.12 of 3DxWare 10 for Windows.

Version 10.0

- Includes information on version 10.8.11 of 3DxWare 10 for Windows.
- Correct 3DxWinCore build date in section 3.5.3.

Version 9.0

- Includes information on version 10.8.10 of 3DxWare 10 for Windows.

Version 8.0

- Includes information on version 10.8.9 of 3DxWare 10 for Windows.

Version 7.0

- Includes information on version 10.8.8 of 3DxWare 10 for Windows.

Version 6.0

- Includes information on version 10.8.7 of 3DxWare 10 for Windows.

Version 5.0

- Includes information on version 10.8.6 of 3DxWare 10 for Windows.

Version 4.0

- Includes information on version 10.8.5 of 3DxWare 10 for Windows.

Version 3.0

- Includes information on version 10.8.4 of 3DxWare 10 for Windows.

Version 2.0

- Includes information on version 10.8.3 of 3DxWare 10 for Windows.

Version 1.0

- Includes information on version 10.8.2 of 3DxWare 10 for Windows, published on September 29, 2021.

## **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 March 13, 2024

- Update 3DxWare 10 to version 10.8.19.
- Change: Suspend firmware update notifications for wireless CadMouse models.

### 2.2 Release of February 20, 2024

- Update 3DxWare 10 to version 10.8.18.
- New: Support version 2312 Series of Siemens NX.
- New: Driver configurations for OnyxCeph and ParaView.
- Note: Stability improvements and feature enhancements to driver software and the plug-in software for Autodesk Inventor, Epic Games Unreal Engine Editor, PTC Creo Parametric and Trimble SketchUp.

### 2.3 Release of December 4, 2023

- Update 3DxWare 10 to version 10.8.17.
- New: Driver configuration for Character Creator.
- Change: Improvements to Firmware Update Tool.
- Note: Stability improvements and feature enhancements to driver software and the plug-in software for Autodesk Revit and Dassault Systèmes SOLIDWORKS.

### 2.4 Release of September 27, 2023

- Update 3DxWare 10 to version 10.8.16.
- New: Support Adobe Photoshop desktop versions 2023 and 2024
- New: Support Epic Games Unreal Editor version 5.3.
- New: Support Maxon Cinema 4D version 2024.
- Note: Stability improvements and feature enhancements to driver software and the plug-in for Autodesk AutoCAD.

### 2.5 Release of August 14, 2023

- Update 3DxWare 10 to version 10.8.15.
- New: Support version 2306 Series of Siemens NX.
- New: Support version 2024 of Dassault Systèmes SOLIDWORKS.
- New: Share analytics data feature.
- Note: Stability improvements and feature enhancements to driver software and the plug-in software for Autodesk 3ds Max, Maya; Dassault Systèmes SOLIDWORKS; Epic Games Unreal Editor; Maxon Cinema 4D and Unity Editor.

### 2.6 Release of May 31, 2023

- Update 3DxWare 10 to version 10.8.14.
- New: Support version 2024 of Autodesk Navisworks and Revit.
- New: Support Epic Games Unreal Editor 5.2.
- Note: Stability and performance improvements to driver software and the plug-in software for Maxon Cinema 4D.

### 2.7 Release of February 28, 2023

- Update 3DxWare 10 to version 10.8.12.
- New: Support version 2212 Series of Siemens NX.
- New: Support version 2024 of Autodesk 3ds Max and Maya.
- Note: Stability and performance improvements to driver and the plug-in software for Autodesk 3ds Max, Maxon Cinema 4D and PTC Creo.

### 2.8 Release of November 30, 2022

- Update 3DxWare 10 to version 10.8.11.
- New: Support Epic Games Unreal Editor 5.1.
- New: Support version 2023 of Trimble SketchUp Pro (desktop).
- New: New "Macro Editor" panel (driver feature).

- Note: Stability and performance improvements to driver and the plug-in software for Autodesk 3ds Max and Trimble SketchUp Pro.

## **2.9 Release of October 7, 2022**

- Update 3DxWare 10 to version 10.8.10.
- Fix: Resolve “missing file” message when starting 3Dconnexion Home.

## **2.10 Release of October 3, 2022**

- Update 3DxWare 10 to version 10.8.9.
- New: Support Dassault Systèmes SOLIDWORKS 2023.
- New: Support Adobe Photoshop desktop 2022 (v. 23).
- Note: Stability and performance improvements to driver and the plug-in software for Epic Games Unreal Editor.

## **2.11 Release of July 22, 2022**

- Update 3DxWare 10 to version 10.8.8.
- New: 3Dconnexion Add-in for Autodesk Navisworks.
- New: 3Dconnexion Plugin for Unity Editor.
- New: Support Microsoft Windows 11.
- New: Support version 2023 of Autodesk 3ds Max, Maya and Revit.
- Note: Stability and performance improvements to driver and the plug-in software Autodesk Inventor, Dassault Systèmes SOLIDWORKS, Epic Games Unreal Editor, Microsoft Office, and Siemens NX.

## **2.12 Release of April 8, 2022**

- Update 3DxWare 10 to version 10.8.7.
- New: Support version 5.0 of Epic Games Unreal Editor.
- New: Automatic firmware update for the Keyboard Pro model.
- New: Added driver configuration for CMS IntelliCAD.
- Note: Stability and performance improvements to driver and the plug-in software for PTC Creo and Siemens NX.

## **2.13 Release of March 8, 2022**

- Update 3DxWare 10 to version 10.8.6.
- New: Added driver configuration for Adobe Substance 3D Painter and progeSOFT progeCAD.
- Change: Reinstate the “Deactivate LEDs” option in the “Advanced Settings” panel of 3Dconnexion Properties for SpaceMouse models.
- Note: Stability improvements to driver software.

## **2.14 Release of February 4, 2022**

- Update 3DxWare 10 to version 10.8.5.
- New: Add support for Siemens PLM NX 2007 Series.
- Note: Stability improvements to driver and the plug-in software for Autodesk 3ds Max, AutoCAD and Maya.

## **2.15 Release of December 9, 2021**

- Update 3DxWare 10 to version 10.8.4.
- New: Support Dassault Systèmes SOLIDWORKS Connected.
- Note: Stability improvements to driver and the plug-in software for Autodesk 3ds Max and Maya, Epic Games Unreal Editor and Trimble SketchUp.

## **2.16 Release of October 21, 2021**

- Update 3DxWare 10 to version 10.8.3.
- Fix: Correct driver crash when using a SpaceMouse Wireless or SpaceMouse Pro Wireless receiver.
- Note: Additional stability improvements to driver software.

## **2.17 Release of September 29, 2021**

- Update 3DxWare 10 to version 10.8.2.
- New: Official support for “Keyboard Pro” (KBP) and “Numpad Pro” (NPP).
- New: Add-in for Autodesk Revit with a button mapping feature.
- New: Add-in for Microsoft Outlook with a button mapping feature.
- New: Add “button mapping” feature for Adobe Acrobat and Reader.
- New: Added support Epic Games Unreal Editor v. 4.27.
- Note: Stability improvements to driver, 3Dconnexion Viewer and the plug-in software for Microsoft Office and Siemens PLM NX.

## 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: **10.8.19**.



### 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
<b>3DxWare 10 for Windows</b>	<b>10.8.19</b>	<b>2024 Mar 12</b>
<i>3DxAdobe3D</i>	<i>1.5.1</i>	<i>2022 Jan 12</i>
<i>3DxAnalytics</i>	<i>1.0.2</i>	<i>2023 Oct 26</i>
<i>3DxAutoCAD</i>	<i>5.8.0</i>	<i>2023 Sep 18</i>
<i>3DxCinema4D</i>	<i>1.0.2</i>	<i>2023 Aug 8</i>
<i>3DxInventor</i>	<i>2.5.0</i>	<i>2024 Jan 23</i>
3DxLcdApplets (SPP only)	1.5.1	2018 Feb 15
<i>3DxMaya</i>	<i>6.0.15</i>	<i>2023 Feb 2</i>
<i>3DxMSOffice</i>	<i>1.1.2</i>	<i>2022 Apr 8</i>
<i>3DxNavisworks</i>	<i>1.0.1</i>	<i>2023 May 15</i>
<i>3DxNLServer</i>	<i>1.4.4</i>	<i>2023 Jan 16</i>
<i>3DxNX</i>	<i>3.5.5</i>	<i>2023 Dec 14</i>
<i>3DxPhotoshop</i>	<i>2.13.0</i>	<i>2023 Sep 16</i>
<i>3DxProENGINEER</i>	<i>2.4.8</i>	<i>2024 Jan 29</i>
<i>3DxRevit</i>	<i>1.0.3</i>	<i>2023 Nov 17</i>
<i>3DxSketchUp</i>	<i>5.5.0</i>	<i>2024 Feb 12</i>
<i>3DxSolidEdge</i>	<i>3.6.3</i>	<i>2019 Nov 5</i>
<i>3DxSolidWorks</i>	<i>3.6.1</i>	<i>2023 Nov 9</i>
<i>3DxStudio</i>	<i>7.0.16</i>	<i>2023 Mar 31</i>
<i>3DxTrainer</i>	<i>3.2.7</i>	<i>2020 Jul 9</i>
<i>3DxUnity3D</i>	<i>1.0.1</i>	<i>2023 Aug 7</i>
<i>3DxUnreal</i>	<i>1.2.0</i>	<i>2023 Nov 15</i>
<i>3DxViewer10</i>	<i>1.1.0</i>	<i>2021 Sep 22</i>
<i>3DxWinCore</i>	<i>17.8.19</i>	<i>2024 Mar 12</i>
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. 10.7.4

The following component products were added (new): 3DxAnalytics, 3DxCinema4D, 3DxNavisworks, 3DxRevit, 3DxUnity3D.

The following component products were removed: 3DxCollage.

The following component products were updated: 3DxAdobe3D, 3DxAutoCAD, 3DxInventor, 3DxMaya, 3DxMSOffice, 3DxNLServer, 3DxNX, 3DxPhotoshop, 3DxProENGINEER, 3DxSketchUp, 3DxSolidWorks, 3DxStudio, 3DxUnreal, 3DxViewer10 and 3DxWinCore (driver).

#### Version 10.8.19 (r3708; Mar 12, 2024). Seventeenth public release of 10.8.

- Updated: 3DxWinCore v. 17.8.19 (r20805, branches/17-8-19; Mar 12, 2024).
- Change: [WIN-1564] Disable firmware update notification for wireless CadMouse.

#### Version 10.8.18 (r3698; Feb 14, 2024). Sixteenth public release of 10.8.

- Updated: 3DxInventor v. 2.5.0 (b63, b6156b8; Jan 23, 2024).
- Updated: 3DxNX v. 3.5.5 (r20625; Dec 14, 2023).
- Updated: 3DxProENGINEER v. 2.4.8 (r20736, branches/v2.4; Jan 29, 2024).
- Updated: 3DxSketchUp v. 5.5.0 (b172, 4acd8f5; Feb 12, 2024).
- Updated: 3DxUnreal v. 1.2.0 (b118, 5843285; Nov 15, 2023).
- Updated: 3DxWinCore v. 17.8.18 (r20768; Feb 14, 2024).
- New: [WIN-1299] Add support for Siemens PLM NX 2312 Series.
- New: [WIN-1426] Added driver configuration for ParaView.
- New: [WIN-1533] Add driver configuration for OnyxCeph.
- New: [WIN-1537] Extend firmware update notifications to all wireless CadMouse types.
- Change: [WIN-1475] Driver configuration changes for Fusion 360 renaming to "Autodesk Fusion".
- Change: Improve fix for device photo when no devices connected.
- Fix: [WIN-1364] Rotation center is visible in play mode in Epic Game Unreal Engine Editor.
- Fix: [WIN-1412] Unexpected crash during saving screenshot in PTC Creo.

- Fix: [WIN-1465] Export fails when exporting a configuration as defaults.
- Fix: [WIN-1470] Incorrect cfg file loaded for Epic Games Twinmotion.
- Fix: [WIN-1477] Default settings do not work in PTC OnShape.
- Fix: [WIN-1512] Macro Modifiers only allow kb modifier keys.
- Fix: [WIN-1517] Filter out commands with non-visible (whitespace only) labels in Autodesk Inventor.

**Version 10.8.17 (r3666; Nov 29, 2023). Fifteenth public release of 10.8.**

- Updated: 3DxAnalytics v. 1.0.2 (r20514; Oct 26, 2023).
- Updated: 3DxRevit v. 1.0.3 (b35, 11f36a7; Nov 17, 2023).
- Updated: 3DxSolidWorks v. 3.6.1 (r20546; Nov 9, 2023).
- Updated: 3DxWinCore v. 17.8.17 (r20595; Nov 29, 2023).
- New: [WIN-1405] 3DxSmartUI option for "Share Analytics Data" feature.
- New: [WIN-1417] Character Creator Profile.
- Change: [WIN-1175] Unreal Engine: Improve LCD contrast.
- Change: [WIN-1367] 3Dconnexion Firmware Update Tool (Improvement).
- Change: Update the "partner key" for SOLIDWORKS 2024 (see [WIN-1321]).
- Change: [WIN-1403] Prompt user to enable "Share Analytics Data" option during installation.
- Change: [WIN-1406] Set the 'Allow Navigation During Redraw' option in Revit.
- Fix: [WIN-1369; Alibre] Commands from Alibre Design are not working.
- Fix: [WIN-1401] System tray driver icon shown with reduced quality.
- Fix: [WIN-1442] Button mapping incorrect when user assignments in Inventor (also see [WIN-1320]).
- Fix: [WIN-1433] AppNames with escaped XML characters cause multiple user cfg files.
- Fix: [WIN-1452] 3DxSmartUI crashes or stops responding when Advanced Settings dialog is opened.

**Version 10.8.16 (r3641; Sep 22, 2023). Fourteenth public release of 10.8.**

- Updated: 3DxAutoCAD v. 5.8.0 (r20441; Sep 19, 2023).
- Updated: 3DxCinema4D v. 1.1.0 (b50, 250bd57; Sep 18, 2023).
- Updated: 3DxPhotoshop v. 2.13.0 (r20430; Sep 16, 2023).
- Updated: 3DxUnreal v. 1.1.9 (b111, f50efee; Sep 13, 2023).
- Updated: 3DxWinCore v. 17.8.16 (r20445; Sep 22, 2023).
- New: [WIN-1281] Add support for Adobe Photoshop desktop 2023 (v. 24).
- New: [WIN-1322] Support Unreal Editor version 5.3.
- New: [WIN-1361] Support version 2024 of Maxon Cinema 4D.
- New: [WIN-1362] Add support for Adobe Photoshop desktop 2024 (v. 25).
- Change: [WIN-1270] Include Navigation3D assembly for .NET Standard 2.0.
- Fix: [WIN-1342] Settings import fails due to version error though they are the same.
- Fix: [WIN-1345] AppDefCfg\_s80.xml configuration used for Autodesk AutoCAD.
- Fix: [WIN-1379] Main installer skips version check when upgrading.

**Version 10.8.15 (r3625; May 16, 2023). Twelfth public release of 10.8.**

- New: 3DxAnalytics v. 1.0.1 (r20375; Aug 10, 2023). See note below.
- Updated: 3DxCinema4D v. 1.0.2 (b46, 83ae018; Aug 8, 2023).
- Updated: 3DxMaya v. 6.0.16 (r20076; Apr 1, 2023).
- Updated: 3DxNX v. 3.5.3 (r20215; Jun 19, 2023).
- Updated: 3DxSolidWorks v. 3.6.0 (r20358; Aug 2, 2023).
- Updated: 3DxStudio v. 7.0.16 (r20075; Mar 31, 2023).
- Updated: 3DxUnity3D v. 1.0.1 (b23, 274d33b; Aug 7, 2023).
- Updated: 3DxUnreal v. 1.1.8 (b102, b7399d3; Jul 24, 2023).
- Updated: 3DxWinCore v. 17.8.15 (r20373; Aug 10, 2023).
- New: [3DxAnalytics] Data collection and report on 3Dconnexion products usage.
- New: [WIN-1216] Add support for Siemens PLM NX 2306 Series.
- New: [WIN-1282] Include driver configuration for ZWSOFT ZWCAD.
- New: [WIN-1231] Make PID copyable from "About" panel.
- New: [WIN-1259] Enable "Move Objects" in Epic Games Unreal Editor.
- New: [WIN-1260] 'Move selected objects' feature implementation in Maxon Cinema 4d.
- Change: [WIN-1295] Maxon Cinema 4D plug-in performance improvement.
- Change: [WIN-1332] Enable automatic keyframing (Autokeying) in Maxon Cinema 4D.
- Change: [WIN-1288] Increment .NET Framework dependency to version 4.8.

- Fix: [WIN-982] "Reset all settings" does not reset the changes in Navigation Modes and Rotation Center.
- Fix: [WIN-1207] Unity 3D Editor plugin creates an object in the scene.
- Fix: [WIN-1272] Default driver configuration for TopSolid has invalid mappings.
- Note: Minimum required system version changed to Microsoft Windows 10 version 2004 (20H1) and newer.
- Note: Installation of 3DxAnalytics controlled by the "Shared Analytics Data" option (see [WIN-1225]).

**Version 10.8.14 (r3575; branches/10-8-14; May 16, 2023). Twelfth public release of 10.8.**

- Updated: 3DxCinema4D v. 1.0.1 (b38, 23c8e5a; May 8, 2023).
- Updated: 3DxNavisworks v. 1.0.1 (r36; May 15, 2023).
- Updated: 3DxRevit v. 1.0.2 (r35; May 15, 2023).
- Updated: 3DxUnreal v. 1.1.7 (b92, b6e43fa; May 15, 2023).
- Updated: 3DxWinCore v. 17.8.14 (r20165, branches/17-8-14; May 16, 2023).
- Updated (x64): 3DxWinCore v. 17.8.14 (r20165, branches/17-8-14; May 16, 2023).
- New: [WIN-1226] Support Unreal Editor version 5.2.
- New: [WIN-1255] Add support for Autodesk Revit version 2024.
- New: [WIN-1257] Add support for Autodesk Navisworks version 2024.
- New: Add driver configuration for Alibre Design V2.
- New: [WIN-1217] Add driver configuration for Palette CAD.
- New: [WIN-1239] Profile for HiCAD.
- Change: Improve driver configurations for Enscape 3D solutions for ArchiCAD, Revit and Rhino.
- Fix: [WIN-1241] Crash in Maxon Cinema 4D if 'Use Selected Items' is enabled and a Tag is selected.
- Fix: Correct macro identifier used in the driver configuration for VisView.

**Version 10.8.13 (r3558; branches/10-8-13; April 11, 2023).**

- Updated: 3DxWinCore v. 17.8.13 (r20080, branches/17-8-13; Apr 3, 2023).
- Updated (x64): 3DxWinCore v. 17.8.13 (r20080, branches/17-8-13; Apr 3, 2023).
- Note: Version 10.8.13 was an internal release and was not published for general distribution.

**Version 10.8.12 (r3545; February 15, 2023). Eleventh public release of 10.8.**

- New: 3DxCinema4D v. 1.0.0 (r85; Feb 3, 2023).
- Updated: 3DxAutoCAD v. 5.7.3 (r19836; Nov 29, 2021).
- Updated (x64): 3DxAutoCAD v. 5.7.3 (r19836; Nov 29, 2021).
- Updated: 3DxMaya v. 6.0.15 (r19971; Feb 2, 2023).
- Updated: 3DxNLServer v. 1.4.4 (r19928; Jan 16, 2023).
- Updated: 3DxNX v. 3.5.2 (r19884; Dec 16, 2022).
- Updated (x64): 3DxNX v. 3.5.2 (r19884; Dec 16, 2022).
- Updated: 3DxProENGINEER v. 2.4.6 (r19972, branches/v2.4; Feb 6, 2023).
- Updated (x64): 3DxProENGINEER v. 2.4.6 (r19972, branches/v2.4; Feb 6, 2023).
- Updated: 3DxStudio v. 7.0.15 (r19966; Feb 1, 2023).
- Updated: 3DxWinCore v. 17.8.12 (r19992; Feb 15, 2023).
- Updated (x64): 3DxWinCore v. 17.8.12 (r19992; Feb 15, 2023).
- New: [WIN-1018] Add support for Autodesk 3ds Max version 2024.
- New: [WIN-1069] Add support for Autodesk Maya 2024.
- New: [WIN-1197] Add driver configurations for KiCad.
- New: [WIN-1198] Add driver configuration for TopSolid.
- New: [WIN-1111] Add support for Siemens PLM NX 2212 Series.
- New: Support the "model.floorPlane" and "model.unitsToMeters" Navigation Library properties.
- Change: [WIN-1186] Update OpenSSL to version 1.1.1s in the Navigation Library Proxy Server (3DxNLServer).
- Change: [WIN-1082] Microsoft Windows 8.1 end of extended support.
- Change: [WIN-1083] End of support for 32-bit editions of Microsoft Windows.

**Version 10.8.11 (r3619; November 29, 2022). Tenth public release of v. 10.8.**

- Updated: 3DxSketchUp v. 5.4.0 (r19831; Nov 24, 2022).
- Updated (x64): 3DxSketchUp v. 5.4.0 (r19831; Nov 24, 2022).
- Updated: 3DxStudio v. 7.0.14 (r19691; Oct 10, 2022).

- Updated: 3DxUnreal v. 1.1.6 (r106; Nov 25, 2022).
- Updated: 3DxWinCore v. 17.8.11 (r19837; Nov 29, 2022).
- Updated (x64): 3DxWinCore v. 17.8.11 (r19837; Nov 29, 2022).
- New: [WIN-1059] New Macro Editor panel in 3Dconnexion Properties (driver feature).
- New: [WIN-1142] Add driver configuration for Shapr3D.
- New: [WIN-1152] Support Unreal Editor version 5.1.
- New: [WIN-1162] Add support for version 2023 of Trimble SketchUp Pro (desktop).
- New: [WIN-1167] Add support for camera actor manipulation in Epic Games Unreal Editor.
- Fix: [WIN-1012] Cannot set rotation point with Ctrl + middle mouse click in Autodesk 3ds Max.
- Fix: [WIN-1100] Environment in Autodesk Inventor is not recognised.
- Fix: [WIN-1107] Rotation point often set wrong in Autodesk 3ds Max. QuickZoom does not work as expected.

**Version 10.8.10 (r3503; October 6, 2022). Ninth public release of v. 10.8.**

- Updated: 3DxWinCore v. 17.8.10 (r19684, branches/17-8-10; Oct 6, 2022).
- Updated (x64): 3DxWinCore v. 17.8.10 (r19684, branches/17-8-10; Oct 6, 2022).
- Fix: [WIN-1110] Missing XML file error message in 3Dconnexion Home.

**Version 10.8.9 (r3501; September 27, 2022). Eighth public release of v. 10.8.**

- Updated: 3DxPhotoshop v. 2.11.0 (r19618; Sep 9, 2022).
- Updated: 3DxSolidWorks v. 3.5.14 (r19609; Sep 5, 2022).
- Updated (x64): 3DxSolidWorks v. 3.5.14 (r19609; Sep 5, 2022).
- Updated: 3DxUnreal v. 1.1.5 (r95; Sep 27, 2022).
- Updated: 3DxWinCore v. 17.8.9 (r19647; Sep 22, 2022).
- Updated (x64): 3DxWinCore v. 17.8.9 (r19647; Sep 22, 2022).
- Removed: 3Dconnexion Collage (3DxCollage).
- New: [WIN-1011] Add support for Adobe Photoshop desktop 2022 (v. 23).
- New: [WIN-1086] Add support for Dassault Systèmes SOLIDWORKS version 2023.
- Change: [WIN-934] Enable 3D mouse navigation in Film project views in Unreal Editor.
- Change: [WIN-1094] Windows installer logfiles location.
- Change: [WIN-1106] Update driver configuration for ITC IntelliCAD.
- Fix: [WIN-1014] Reset all setting does not reset LCD Brightness.
- Fix: [WIN-1095] Close tab button action instead duplicates tab in Microsoft Edge.
- Fix: [WIN-1105] Pairing tool unable to find Universal Receiver in Turkish systems.

**Version 10.8.8 (r3488; July 15, 2022). Seventh public release of v. 10.8.**

- New: 3DxNavisworks v. 1.0.0 (r34; Jun 25, 2022). See [WIN-1073].
- New: 3DxUnity3D v. 1.0.0 (r18; Jul 12, 2022). See [WIN-1074].
- Updated: 3DxInventor v. 2.4.1 (r19400; May 18, 2022).
- Updated (x64): 3DxInventor v. 2.4.1 (r19400; May 18, 2022).
- Updated: 3DxMaya v. 6.0.14 (r19520; Jul 13, 2022).
- Updated: 3DxMSOffice v. 1.1.2 (r19333, Apr 8, 2022).
- Updated (x64): 3DxMSOffice v. 1.1.2 (r19333, Apr 8, 2022).
- Updated: 3DxNLServer v. 1.4.3 (r19386; May 13, 2022).
- Updated: 3DxNX v. 3.5.1 (r19492; Jul 4, 2022).
- Updated (x64): 3DxNX v. 3.5.1 (r19492; Jul 4, 2022).
- Updated: 3DxRevit v. 1.0.1 (r31; May 18, 2022).
- Updated: 3DxSketchUp v. 5.3.2 (r19502; Jul 8, 2022).
- Updated (x64): 3DxSketchUp v. 5.3.2 (r19502; Jul 8, 2022).
- Updated: 3DxSolidWorks v. 3.5.13 (r19435; Jun 21, 2022).
- Updated (x64): 3DxSolidWorks v. 3.5.13 (r19435; Jun 21, 2022).
- Updated: 3DxStudio v. 7.0.13 (r19521; Jul 13, 2022).
- Updated: 3DxUnreal v. 1.1.4 (r92; Jun 14, 2022).
- Updated: 3DxWinCore v. 17.8.8 (r19525; Jul 15, 2022).
- Updated (x64): 3DxWinCore v. 17.8.8 (r19525; Jul 15, 2022).
- New: [WIN-922] Added support for Autodesk Maya 2023.
- New: [WIN-1028] Navigation Library "First-person Camera" and "Walk" modes.
- New: [WIN-1041] Add support for Autodesk Revit version 2023.
- New: [WIN-1058] Add support for Microsoft Windows 11.
- New: [WIN-1066] Add support for "Play In Editor" mode in Unreal Editor.

- New: [WIN-1073] Add Action Interface support to Autodesk Navisworks. Application commands are exported and can be assigned to device buttons and Radial Menu in the "3Dconnexion Properties" panel. Add-in supported in application versions 2020 to 2023.
- New: [WIN-1074] Implement plugin for Unity3D. Editor viewports and Game Mode camera control using a 3D mouse. Unity Editor commands are exported and can be assigned to device buttons and Radial Menu in the "3Dconnexion Properties" panel. See the "README.txt" file and related documentation for additional details. Plugin requires Unity versions 2021 or 2022.
- New: Add driver configurations for CMM-Manager and Reallusion iClone.
- Change: Finalize support for Siemens NX 2206 Series.
- Change: [WIN-1043] Bring "Calibrate" to Advanced Settings.
- Change: [WIN-1055] Adding Windows-Shortcuts to QuickMacros.
- Change: [WIN-1067] Add installer support for "SolidCAM 2022 Embedded" and "SolidCAM 2022 Embedded with CAD 2022".
- Fix: [WIN-928] Upgrading 3DxWare 10 does not install new components.
- Fix: [WIN-1037] Microsoft Office applications may throw a "read access violation" exception (SEH) if closed immediately after launch.
- Fix: [WIN-1038] Exported application commands do not work in Autodesk Inventor.
- Fix: [WIN-1047] Error building blank C++ project without "Starter Content" in Epic Games Unreal Editor 5.0.

#### **Version 10.8.7 (r3448; March 7, 2022). Sixth public release of v. 10.8.**

- Updated: 3DxNX v. 3.5.0 (r19248; Mar 16, 2022).
- Updated (x64): 3DxNX v. 3.5.0 (r19248; Mar 16, 2022).
- Updated: 3DxProENGINEER v. 2.4.5 (r19249, branches/v2.4; Mar 16, 2022).
- Updated (x64): 3DxProENGINEER v. 2.4.5 (r19249, branches/v2.4; Mar 16, 2022).
- Updated: 3DxUnreal v. 1.1.3 (r67; Apr 5, 2022).
- Updated: 3DxWinCore v. 17.8.7 (r19317, branches/17-8-7; Apr 6, 2022).
- Updated (x64): 3DxWinCore v. 17.8.7 (r19317, branches/17-8-7; Apr 6, 2022).
- New: [WIN-852] Support Unreal Editor version 5.0.
- New: Add configuration for CMS IntelliCAD.
- New: [WIN-983] 3Dconnexion Firmware Update tool with support for the Keyboard Pro. The tool is a configurable installation option (see the installer's "Advanced Settings" section).
- Fix: [WIN-1034] 3Dxprofilesrv.exe crashes on Windows 8.1.

#### **Version 10.8.6 (r3431; March 7, 2022). Fifth public release of v. 10.8.**

- Updated: 3DxWinCore v. 17.8.6 (r19207; Mar 7, 2022).
- Updated (x64): 3DxWinCore v. 17.8.6 (r19207; Mar 7, 2022).
- New: [WIN-1007] Add configuration for Adobe Substance 3D Painter.
- New: Add configuration for progeSOFT progeCAD.
- Change: [WIN-1015] Keyboard Pro button configuration for CIROS Studio from VEROSIM Solutions.
- Change: [WIN-1006] Bring back "Deactivate LEDs" in another place.
- Change: Support wireless CadMouse models with firmware v. 1.20 as per [MAC-324].
- Fix: [WIN-1005] Pre-defined RMs do not open in Fusion 360.
- Fix: [WIN-1008] Cannot scroll on Microsoft Outlook.

#### **Version 10.8.5 (r3424; January 28, 2022). Fourth public release of v. 10.8.**

- Updated: 3DxAdobe3D v. 1.5.1 (r763; Jan 12, 2022).
- Updated (x64): 3DxAdobe3D v. 1.5.1 (r763; Jan 12, 2022).
- Updated: 3DxAutoCAD v. 5.7.2 (r19062; Dec 21, 2021).
- Updated (x64): 3DxAutoCAD v. 5.7.2 (r19062; Dec 21, 2021).
- Updated: 3DxMaya v. 6.0.11 (r19044; Dec 17, 2021).
- Updated: 3DxNX v. 3.4.22 (r19039; Dec 14, 2021).
- Updated (x64): 3DxNX v. 3.4.22 (r19039; Dec 14, 2021).
- Updated: 3DxStudio v. 7.0.11 (r19093; Jan 17, 2022).
- Updated: 3DxWinCore v. 17.8.5 (r19118; Jan 28, 2022).
- Updated (x64): 3DxWinCore v. 17.8.5 (r19118; Jan 28, 2022).
- New: [WIN-866] Add support for Siemens PLM NX 2007 Series.
- New: [WIN-975] Add "Sketch Lock" option to "Advanced Settings" panel for Autodesk Fusion 360.

- Change: [WIN-985] Add driver configuration for "legacy driver" support in Autodesk Fusion 360.
- Fix: [WIN-988] Add-in not working in Adobe Reader 64-bit.
- Fix: [WIN-989] Driver action "QuickZoom In" does not center point under cursor.
- Fix: [WIN-992] 3Dconnexion Button Editor unhandled exception. A generic error occurred in GDI+.

#### **Version 10.8.4 (r3407; December 7, 2021). Third public release of v. 10.8.**

- Updated: 3DxMaya v. 6.0.10 (r18866; Oct 14, 2021).
- Updated: 3DxSketchUp v. 5.3.0 (r19026; Dec 3, 2021).
- Updated (x64): 3DxSketchUp v. 5.3.0 (r19026; Dec 3, 2021).
- Updated: 3DxSolidWorks v. 3.5.12 (r18913; Oct 20, 2021).
- Updated (x64): 3DxSolidWorks v. 3.5.12 (r18913; Oct 20, 2021).
- Updated: 3DxStudio v. 7.0.10 (r18991; Nov 22, 2021).
- Updated: 3DxUnreal v. 1.1.2 (r52; Oct 6, 2021).
- Updated: 3DxWinCore v. 17.8.4 (r19035, branches/17-8-4; Dec 7, 2021).
- Updated (x64): 3DxWinCore v. 17.8.4 (r19035, branches/17-8-4; Dec 7, 2021).
- New: [WIN-896] Enable add-in in Dassault Systèmes SOLIDWORKS Connected.
- New: [WIN-884] Add user interface option to control the "Track Selection" feature in Autodesk Inventor.
- New: [WIN-968] New widget "Feedback" in "3Dconnexion Home".
- Change: [WIN-919] Mark "SpaceNavigator" and "SpaceNavigator for Notebooks" as discontinued.
- Fix: [WIN-395] The rotation center is never shown in Autodesk Maya even on motion.
- Fix: [WIN-875] Ghosting when navigating large models in Autodesk 3ds Max.
- Fix: [WIN-876] Camera losing focus in Autodesk 3ds Max.
- Fix: [WIN-867] Rig Studio scripts for Autodesk Maya crashes when 3DxWare is installed.
- Fix: [WIN-933] Plugin crashes Unreal Editor in Film or Cinematic projects.
- Fix: [WIN-954] Speed slider sets to default when changing focus to a different window.
- Fix: [WIN-957] 3DxProfileServer.exe stopped working.
- Fix: [WIN-967] Wrong SpaceMouse "Front" button assignment in Twinmotion.
- Fix: [WIN-977] Navigation Library does not send notification on settings change.

#### **Version 10.8.3 (r3389; October 19, 2021). Second public release of v. 10.8.**

- Updated: 3DxWinCore v. 17.8.3 (r18895, branches/17-8-3; Oct 18, 2021).
- Updated (x64): 3DxWinCore v. 17.8.3 (r18895, branches/17-8-3; Oct 18, 2021).
- Fix: [WIN-904] Macros are inverted after being saved.
- Fix: [WIN-937] Driver crash when using a single legacy receiver.
- Fix: [WIN-938] Driver ignores connection from application.

#### **Version 10.8.2 (r3384; September 28, 2021). First public release of v. 10.8.**

- New: 3DxRevit v. 1.0.0 (r13; Jul 27, 2021).
- Updated: 3DxAdobe3D v. 1.5.0 (r759; Sep 6, 2021).
- Updated (x64): 3DxAdobe3D v. 1.5.0 (r759; Sep 6, 2021).
- Updated: 3DxMSOffice v. 1.1.1 (r18704, Sep 9, 2021).
- Updated (x64): 3DxMSOffice v. 1.1.1 (r18704, Sep 9, 2021).
- Updated: 3DxNX v. 3.4.21 (r18810; Sep 24, 2021).
- Updated (x64): 3DxNX v. 3.4.21 (r18810; Sep 24, 2021).
- Updated: 3DxUnreal v. 1.1.1 (r49; Aug 30, 2021).
- Updated: 3DxViewer10 v. 1.1.0 (r44; Sep 22, 2021).
- Updated (x64): 3DxViewer10 v. 1.1.0 (r44; Sep 22, 2021).
- Updated: 3DxWinCore v. 17.8.2 (r18843; Sep 28, 2021).
- Updated (x64): 3DxWinCore v. 17.8.2 (r18843; Sep 28, 2021).
- New: [WIN-734] Add support for the "Keyboard Pro" and "Numpad Pro" device types.
- New: [WIN-793] Add "advanced button mapping" feature for Microsoft Outlook.
- New: [WIN-828] Add "advanced button mapping" feature for Adobe Acrobat and Reader.
- New: [WIN-847] Add support for the 64-bit edition of Adobe Acrobat and Acrobat Reader.
- New: [WIN-869] Add "advanced button mapping" feature for Autodesk Revit.
- New: [WIN-879] Support Epic Games Unreal Editor version 4.27.
- New: Add configurations for Kubotek3D K-Display and K-Compare.
- New: Add configuration for Epic Games Twinmotion.
- New: [WIN-753] Add "Mute Microphone" driver function.

- Change: [WIN-894] Replace the Compiled Html user documentation (3DxWare.chm) by PDF documents.
- Change: [WIN-885] Set default location of 3DxHome to 15 pixel from the display top-right corner.
- Change: [WIN-912] Changing 3DxSmartUI product name from "3Dconnexion Properties" to "3Dconnexion Settings".
- Change: [WIN-873] Hide not connected wireless devices.
- Change: Update 3Dconnexion icon on "notification area" (system tray).
- Fix: [WIN-887] SketchUp application icons not rendered correctly in Radial Menus.
- Fix: [WIN-888] Task dependent menu not found in Siemens PLM NX.
- Fix: [WIN-889] Application Button is incorrect in Siemens PLM NX.
- Fix: [WIN-173] Macro problem with Notepad++.
- Note: 3DxWare 10 versions 10.8.0 and 10.8.1 not available publicly.