

# Software Release Version 10.4 for Microsoft Windows

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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 3D mice.

## **1.3 Release Version**

Release version 10.4.

## **1.4 Document History**

Version 2.0

- Includes information on version 10.4.3 of 3DxWare 10 for Windows.

Version 1.0

- First document version. Includes information on version 10.4.2 of 3DxWare 10 for Windows.

## **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 May 6, 2016

- Update 3DxWare 10 to version 10.4.3.
- New: Add support for version 2017 of Autodesk 3ds Max.
- New: Add support for “Custom Views” commands in add-in solution for Autodesk 3ds Max and Maya.
- Note: Stability and performance improvements to driver software.

### 2.2 Release of April 25, 2016

- Update 3DxWare 10 to version 10.4.2.
- New: Add support new device type “SpaceMouse Enterprise”.
- New: Add support for “Custom Views” commands with “Visual Feedback” in 3Dconnexion Viewer and Assembly Demo; AutoCAD and Inventor; Dassault Systèmes CATIA, DELMIA ENOVIA DMU V5 and V6; and SOLIDWORKS; Onshape; PTC Creo, Siemens PLM Solid Edge and NX; and Trimble SketchUp.
- New: Added support for application command image icons and description in Autodesk 3ds Max, Inventor and Maya; Dassault Systèmes CATIA, DELMIA, ENOVIA DMU V5 and V6; and SOLIDWORKS; PTC Creo, Siemens PLM Solid Edge and NX (icons only); Trimble SketchUp.
- Note: Stability and performance improvements to driver and add-in software.

- Windows Software

## 2.3 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 3D mouse 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 3D mouse products. This package installs the “3Dconnexion 3DxWare (64-bit)” edition.

## 2.4 Supported Operating Systems

Supported Windows operating systems:

- Windows Vista (RTM, SP1 and SP2, all editions)
- Windows 7 (RTM and SP1, all editions)
- Windows 8 and 8.1 Pro (RTM; all editions for x86 and x86-64 architectures)
- Windows 10 (RTM; all editions for x86 and x86-64 architectures)

Note 1: Windows RT (ARM architecture) not supported.

Note 2: Official support for Microsoft Windows XP retired in version 10.2.2.

## 2.5 Supported 3Dconnexion Products

Supported 3Dconnexion products:

- CadMouse
- SpaceExplorer USB
- SpaceMouse Enterprise
- SpaceMouse Pro
- SpaceMouse Pro Wireless
- SpaceMouse Wireless
- SpaceNavigator
- SpaceNavigator for Notebooks
- SpacePilot Pro

## 2.6 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 install 3DxWare 10 in order to install the device driver (3DxWinCore).

### 2.6.1 Current Version

The current version of 3DxWare 10: **10.4.3**

### 2.6.2 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>10.4.3</b>	<b>2016 May 5</b>
3DxAdobe3D	1.4.0	2015 Jun 12
3DxAutoCAD	5.2.1	2016 Apr 7
3DxAutoCAD (x64)	5.2.1	2016 Apr 7
3DxCollage	1.3.0	2011 Feb 4

<i>3DxInventor</i>	2.2.1	2016 Apr 6
<i>3DxInventor (x64)</i>	2.2.1	2016 Apr 6
<i>3DxLcdApplets (SPP only)</i>	1.5.0	2016 Apr 18
<i>3DxLcdApplets (x64; SPP only)</i>	1.5.0	2016 Apr 18
<i>3DxMSOffice</i>	1.0.1	2016 Apr 15
<i>3DxMSOffice (x64)</i>	1.0.1	2016 Apr 15
<i>3DxMaya</i>	5.2.1	2016 Apr 28
<i>3DxMaya (x64)</i>	5.2.1	2016 Apr 28
<i>3DxNLServer</i>	1.1.4	2016 Apr 11
<i>3DxNX</i>	3.4.2	2016 Apr 18
<i>3DxNX (x64)</i>	3.4.2	2016 Apr 18
<i>3DxPhotoshop</i>	2.4.0	2013 May 16
<i>3DxPhotoshop (x64)</i>	2.4.0	2013 May 16
<i>3DxProENGINEER</i>	2.3.1	2016 Apr 8
<i>3DxProENGINEER (x64)</i>	2.3.1	2016 Apr 8
<i>3DxSI</i>	3.0.3	2014 Feb 10
<i>3DxSI (x64)</i>	3.0.3	2014 Feb 10
<i>3DxSketchUp</i>	4.3.1	2016 Apr 7
<i>3DxSketchUp (x64)</i>	4.3.1	2016 Apr 7
<i>3DxSolidEdge</i>	3.4.1	2016 Apr 12
<i>3DxSolidEdge (x64)</i>	3.4.1	2016 Apr 12
<i>3DxSolidWorks</i>	3.4.2	2016 Apr 21
<i>3DxSolidWorks (x64)</i>	3.4.2	2016 Apr 21
<i>3DxStudio</i>	6.2.1	2016 Apr 26
<i>3DxStudio (x64)</i>	6.2.1	2016 Apr 26
<i>3DxTrainer</i>	3.2.4	2016 Apr 15
<i>3DxWinCore</i>	17.4.3	2016 May 5
<i>3DxWinCore (x64)</i>	17.4.3	2016 May 5
<i>DemoPrograms</i>	0.9.3	2016 Apr 21
LADP	3.06.109	2010 Aug 3
LADP (x64)	3.06.109	2010 Aug 3

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

### 2.6.3 Changes to 3DxWare 10 since v. 10.3.0

The following component products were added (new): 3DxMSOffice.

The following component products were removed: *none*.

The following component products were changed (updated): 3DxAutoCAD, 3DxInventor, 3DxLcdApplets, 3DxMaya, 3DxNLServer, 3DxNX, 3DxProENGINEER, 3DxSketchUp, 3DxSolidEdge, 3DxSolidWorks, 3DxStudio, 3DxTrainer, 3DxWinCore and DemoPrograms.

#### Version 10.4.3 (r2328; May 5, 2016). Second public release of version 10.4.

- Updated: 3DxMaya v. 5.2.1 (r12942; Apr 28, 2016).
- Updated (x64): 3DxMaya v. 5.2.1 (r12942; Apr 28, 2016).
- Updated: 3DxStudio v. 6.2.1 (r12923; Apr 26, 2016).
- Updated (x64): 3DxStudio v. 6.2.1 (r12923; Apr 26, 2016).
- Updated: 3DxWinCore v. 17.4.3 (r12962; May 5, 2016).
- Updated (x64): 3DxWinCore v. 17.4.3 (r12962; May 5, 2016).
- New: Added support for version 2017 of Autodesk 3ds Max.
- New: Support "Custom Views" feature with "Visual Feedback" in Autodesk 3ds Max.
- New: Support "Custom Views" feature with "Visual Feedback" in Autodesk Maya. The commands integrate with the application's "View Bookmarks" feature.
- Change: [7102, enhancement] "Visual feedback" panel blocks SpaceMouse navigation. The "Visual Feedback" panel no longer blocks the use of 3D mice.
- Fix: [7107] Error "Mgl3DCtrlRPCService has stopped working" when running 3dxrepair.exe (see [7132]).
- Fix: [6887; REOPEN] Wrong version number shown when trying to install over version 3.x. REOPEN necessary to apply fix to "update" mode.

**Version 10.4.2 (r2319; April 21, 2016). First public release of version 10.4.**

- Updated: 3DxLcdApplets v. 1.5.0 (r12890; Apr 18, 2016).
- Updated (x64): 3DxLcdApplets v. 1.5.0 (r12890; Apr 18, 2016).
- Updated: 3DxMSOffice v. 1.0.1 (r12874, Apr 15, 2016).
- Updated (x64): 3DxMSOffice v. 1.0.1 (r12874, Apr 15, 2016).
- Updated: 3DxNX v. 3.4.2 (r12876; Apr 18, 2016).
- Updated (x64): 3DxNX v. 3.4.2 (r12876; Apr 18, 2016).
- Updated: 3DxSolidWorks v. 3.4.2 (r12906; Apr 21, 2016).
- Updated (x64): 3DxSolidWorks v. 3.4.2 (r12906; Apr 21, 2016).
- Updated: 3DxTrainer v. 3.2.4 (r12865; Apr 15, 2016).
- Updated: 3DxWinCore v. 17.4.2 (r12910; Apr 21, 2016).
- Updated (x64): 3DxWinCore v. 17.4.2 (r12910; Apr 21, 2016).
- Updated: DemoPrograms v. 0.9.3 (r2314; Apr 21, 2016).
- New: Added support for application command image icons for Siemens PLM NX.
- Change: Remove Microsoft Outlook applets for SpacePilot Pro.
- Fix: [6887] Wrong version number shown when trying to install over version 3.x.
- Fix: [7100] Error "service failed to start" error when installing driver with a CadMouse connected.

**Version 10.4.1 (r2300; April 13, 2016).**

- Updated: 3DxAutoCAD v. 5.2.1 (r12811; Apr 7, 2016).
- Updated (x64): 3DxAutoCAD v. 5.2.1 (r12811; Apr 7, 2016).
- Updated: 3DxInventor v. 2.2.1 (r12802; Apr 6, 2016).
- Updated (x64): 3DxInventor v. 2.2.1 (r12802; Apr 6, 2016).
- Updated: 3DxNLServer v. 1.1.4 (r12832; Apr 11, 2016).
- Updated: 3DxNX v. 3.4.1 (r12824; Apr 11, 2016).
- Updated (x64): 3DxNX v. 3.4.1 (r12824; Apr 11, 2016).
- Updated: 3DxProENGINEER v. 2.3.1 (r12821; Apr 8, 2016).
- Updated (x64): 3DxProENGINEER v. 2.3.1 (r12821; Apr 8, 2016).
- Updated: 3DxSketchUp v. 4.3.1 (r12812; Apr 7, 2016).
- Updated (x64): 3DxSketchUp v. 4.3.1 (r12812; Apr 7, 2016).
- Updated: 3DxSolidEdge v. 3.4.1 (r12843; Apr 12, 2016).
- Updated (x64): 3DxSolidEdge v. 3.4.1 (r12843; Apr 12, 2016).
- Updated: 3DxSolidWorks v. 3.4.1 (r12800; Apr 6, 2016).
- Updated (x64): 3DxSolidWorks v. 3.4.1 (r12800; Apr 6, 2016).
- Updated: 3DxWinCore v. 17.4.1 (r12846; Apr 13, 2016).
- Updated (x64): 3DxWinCore v. 17.4.1 (r12846; Apr 13, 2016).
- Updated: DemoPrograms v. 0.9.2 (r2297; Apr 13, 2016).
- New: Add support for "Visual Feedback" panel in "Custom Views".
- New: Add support for "Custom Views" commands in 3Dconnexion Viewer and Assembly Demo; and Onshape

**Version 10.4.0 (r2256; March 23, 2016).**

- New: 3DxMSOffice v. 1.0.0 (r12311, Dec 3, 2015).
- New (x64): 3DxMSOffice v. 1.0.0 (r12311, Dec 3, 2015).
- Updated: 3DxAutoCAD v. 5.2.0 (r12729; Mar 18, 2016).
- Updated (x64): 3DxAutoCAD v. 5.2.0 (r12729; Mar 18, 2016).
- Updated: 3DxInventor v. 2.2.0 (r12754; Mar 23, 2016).
- Updated (x64): 3DxInventor v. 2.2.0 (r12754; Mar 23, 2016).
- Updated: 3DxLcdApplets v. 1.4.0 (r11922; Oct 15, 2015).
- Updated (x64): 3DxLcdApplets v. 1.4.0 (r11922; Oct 15, 2015).
- Updated: 3DxMaya v. 5.2.0 (r12419; Jan 11, 2016).
- Updated (x64): 3DxMaya v. 5.2.0 (r12419; Jan 11, 2016).
- Updated: 3DxNLServer v. 1.0.3 (r12441; Jan 14, 2016).
- Updated: 3DxNX v. 3.4.0 (r12450; Jan 18, 2016).
- Updated (x64): 3DxNX v. 3.4.0 (r12450; Jan 18, 2016).

- Updated: 3DxProENGINEER v. 2.3.0 (r12381; Dec 17, 2015).
- Updated (x64): 3DxProENGINEER v. 2.3.0 (r12381; Dec 17, 2015).
- Updated: 3DxSketchUp v. 4.3.0 (r12643; Feb 26, 2016).
- Updated (x64): 3DxSketchUp v. 4.3.0 (r12643; Feb 26, 2016).
- Updated: 3DxSolidEdge v. 3.4.0 (r12644; Feb 26, 2015).
- Updated (x64): 3DxSolidEdge v. 3.4.0 (r12644; Feb 26, 2015).
- Updated: 3DxSolidWorks v. 3.4.0 (r12645; Feb 26, 2016).
- Updated (x64): 3DxSolidWorks v. 3.4.0 (r12645; Feb 26, 2016).
- Updated: 3DxStudio v. 6.2.0 (r12406; Jan 4, 2016).
- Updated (x64): 3DxStudio v. 6.2.0 (r12406; Jan 4, 2016).
- Updated: 3DxWinCore v. 17.4.0 (r12763; Mar 23, 2016).
- Updated (x64): 3DxWinCore v. 17.4.0 (r12763; Mar 23, 2016).
- Updated: DemoPrograms v. 0.9.1 (r2182; Dec 18, 2015).
- New: Add support new device type "SpaceMouse Enterprise".
- New: Add support for "Custom Views" commands in AutoCAD and Inventor; Dassault Systèmes CATIA, DELMIA, ENOVIA DMU V5 and V6; and SOLIDWORKS; PTC Creo, Siemens PLM Solid Edge and NX; and Trimble SketchUp.
- New: Added support for application command image icons and description in Autodesk 3ds Max, Inventor and Maya; Dassault Systèmes CATIA, DELMIA, ENOVIA DMU V5 and V6; and SOLIDWORKS; PTC Creo, Siemens PLM Solid Edge; Trimble SketchUp.
- Fix: [7018] Center of rotation visualization not shown in FBX model in 3Dconnexion Viewer.
- Fix: [7019] Cannot zoom in on details on large models in 3Dconnexion Viewer.
- Fix: [7018] Center of rotation visualization not shown in FBX model in 3Dconnexion Viewer.
- Note: First internal release of version 10.4. Software not publicly available.