

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 10.6.

1.4 Document History

Version 3.0

- Includes information on version 10.6.3 of 3DxWare 10 for Windows.

Version 3.0

- Includes information on version 10.6.2 of 3DxWare 10 for Windows.

Version 2.0

- Includes information on version 10.6.1 of 3DxWare 10 for Windows.

Version 1.0

- First document version. Includes information on version 10.6.0 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 September 25, 2019

- Update 3DxWare 10 to version 10.6.3.
- Note: Stability improvements to the driver and the plug-in software for Autodesk 3ds Max and Autodesk Maya.

2.2 Release of August 9, 2019

- Update 3DxWare 10 to version 10.6.2.
- Fix: Resolve a bug that crashed the “3Dconnexion Properties” program when disabling the CadMouse “Smart Scrolling” feature.

2.3 Release of August 2, 2019

- Update 3DxWare 10 to version 10.6.1.
- New: Add support for the CadMouse Pro Wireless Left.
- New: Add support for Siemens PLM NX 1872 series.
- Note: Stability improvements to driver and plug-in software.

2.4 Release of June 3, 2019

- Update 3DxWare 10 to version 10.6.0.
- New: Add support for the CadMouse Pro Wireless.
- New: Add support for PTC Creo Parametric 6.0.
- Note: Stability improvements to driver and plug-in 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:

- Windows 7 SP1
- Windows 8.1
- Windows 10

Note: Windows RT (ARM architecture) not supported.

3.3 Supported 3Dconnexion Products

Supported 3Dconnexion products:

- CadMouse
- CadMouse Pro Wireless
- CadMouse Pro Wireless Left
- CadMouse Wireless
- SpaceMouse Compact
- SpaceMouse Enterprise
- SpaceMouse Pro
- SpaceMouse Pro Wireless
- SpaceMouse Wireless
- SpaceNavigator
- SpaceNavigator for Notebooks
- SpacePilot Pro
- Universal Receiver

3.4 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).

3.4.1 Current Version

The current version of 3DxWare 10: **10.6.3**.

3.4.2 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 | 10.6.3 | 2019 Sep 18 |
| 3DxAdobe3D | 1.4.2 | 2018 Apr 3 |
| 3DxAutoCAD | 5.6.0 | 2019 Jan 24 |
| 3DxAutoCAD (x64) | 5.6.0 | 2019 Jan 24 |
| 3DxCollage | 1.3.1 | 2019 Jan 31 |
| 3DxInventor | 2.3.0 | 2018 Dec 12 |
| 3DxInventor (x64) | 2.3.0 | 2018 Dec 12 |
| 3DxLcdApplets (SPP only) | 1.5.1 | 2018 Feb 15 |

| | | |
|-------------------------------|----------|-------------|
| 3DxLcdApplets (x64; SPP only) | 1.5.1 | 2018 Feb 15 |
| 3DxMSOffice | 1.0.1 | 2016 Apr 15 |
| 3DxMSOffice (x64) | 1.0.1 | 2016 Apr 15 |
| 3DxMaya (x64) | 6.0.2 | 2019 Sep 17 |
| 3DxNLServer | 1.3.3 | 2019 Feb 1 |
| 3DxNX | 3.4.13 | 2019 Jul 12 |
| 3DxNX (x64) | 3.4.13 | 2019 Jul 12 |
| 3DxPhotoshop | 2.9.2 | 2019 Apr 30 |
| 3DxPhotoshop (x64) | 2.9.2 | 2019 Apr 30 |
| 3DxProENGINEER | 2.4.2 | 2019 Mar 28 |
| 3DxProENGINEER (x64) | 2.4.2 | 2019 Mar 28 |
| 3DxSketchUp | 5.0.0 | 2019 Apr 27 |
| 3DxSketchUp (x64) | 5.0.0 | 2019 Apr 27 |
| 3DxSolidEdge | 3.6.2 | 2019 Apr 18 |
| 3DxSolidEdge (x64) | 3.6.2 | 2019 Apr 18 |
| 3DxSolidWorks | 3.5.5 | 2019 Jul 23 |
| 3DxSolidWorks (x64) | 3.5.5 | 2019 Jul 23 |
| 3DxStudio (x64) | 7.0.1 | 2019 Sep 18 |
| 3DxTrainer | 3.2.6 | 2019 Feb 6 |
| 3DxWinCore | 17.6.2 | 2019 Aug 2 |
| 3DxWinCore (x64) | 17.6.2 | 2019 Aug 2 |
| DemoPrograms | 0.9.7 | 2019 May 13 |
| 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.

3.4.3 Changes to 3DxWare 10 since v. 10.5.15

The following component products were added (new): *none*.

The following component products were removed: 3DxMaya (32-bit) and 3DxStudio (32-bit).

The following component products were updated: 3DxMaya (64-bit), 3DxNX, 3DxPhotoshop, 3DxProENGINEER, 3DxSketchUp, 3DxSolidEdge, 3DxSolidWorks, 3DxStudio (64-bit), 3DxTrainer, 3DxWinCore (driver) and DemoPrograms.

Version 10.6.3 (r3045; Sep 18, 2019). Fourth public release of v. 10.6.

- Updated (x64): 3DxMaya v. 6.0.2 (r16586; Sep 17, 2019).
- Updated (x64): 3DxStudio v. 7.0.1 (r16591; Sep 18, 2019).
- Updated: 3DxWinCore v. 17.6.3 (r16588, branches/17-6; Sep 18, 2019).
- Updated (x64): 3DxWinCore v. 17.6.3 (r16588, branches/17-6; Sep 18, 2019).
- Change: [WIN-463] Enable "Action Interface" support for version R2019x FD04 of Dassault Systèmes 3DEXPERIENCE.
- Fix: [WIN-444] 3DxMaya installer does not detect SP1 for Windows 7.
- Fix: [WIN-445] 3DxStudio installer does not detect SP1 for Windows 7.
- Fix: [WIN-439] 3DxService crashes with some cfgs.

Version 10.6.2 (r3018; Aug 2, 2019). Third public release of v. 10.6.

- Updated: 3DxWinCore v. 17.6.2 (16520; Aug 2, 2019).
- Updated (x64): 3DxWinCore v. 17.6.2 (16520; Aug 2, 2019).
- Fix: [WIN-429] Unhandled crash in "3Dconnexion Properties" when disabling the "Smart Scrolling" CadMouse feature.

Version 10.6.1 (r3016; Aug 1, 2019). Second public release of v. 10.6.

- Updated (x64): 3DxMaya v. 6.0.0 (r16443; Jul 24, 2019).
- Updated: 3DxNX v. 3.4.13 (r16395; Jul 12, 2019).
- Updated (x64): 3DxNX v. 3.4.13 (r16395; Jul 12, 2019).
- Updated: 3DxSolidWorks v. 3.5.5 (r16438; Jul 23, 2019).
- Updated (x64): 3DxSolidWorks v. 3.5.5 (r16438; Jul 23, 2019).
- Updated (x64): 3DxStudio v. 7.0.0 (r16424; Jul 18, 2019).
- Updated: 3DxWinCore v. 17.6.1 (r16507; Aug 1, 2019).
- Updated (x64): 3DxWinCore v. 17.6.1 (r16507; Aug 1, 2019).
- Removed: 3DxMaya plug-in for 32-bit editions of Autodesk Maya.
- Removed: 3DxStudio plug-in for 32-bit editions of Autodesk 3ds Max.

- New: Add support for new device type "CadMouse Pro Wireless Left".
- New: [WIN-336] Add support for Siemens PLM NX 1872 series.
- New: [WIN-348] Add installer support for "CAMWorks Solids 2019" (OEM build of SOLIDWORKS).
- New: Add driver configuration for Bentley MicroStation CONNECT Edition.
- Change: Remove support for version 2013 and older of Autodesk 3ds Max and Maya. As 3ds Max and Maya version 2014 and newer are available only as 64-bit programs, the 32-bit plug-ins were removed from distribution.
- Change: [WIN-307] Remove redundant "Zoom to Fit" commands from the list of exported application commands for Dassault Systèmes SOLIDWORKS. Only the "Zoom to Fit" in the "View" category remains.
- Change: [WIN-312] Correct command identifiers for McNeel Rhino 6 SR13.
- Fix: [WIN-369] Button configuration panel for OnShape displays wrong application.
- Fix: [WIN-371] Onshape commands are shown under a single category (named "Commands").
- Fix: [WIN-375] "Move selected object" option does not work anymore in SOLIDWORKS.
- Fix: [WIN-399] Show "tooltip" to display full category name.
- Fix: [WIN-400] Command description is cropped if longer than three lines.
- Fix: [WIN-415] Customized configuration are deleted when upgrade from 10.5.15 to 10.6.0.

Version 10.6.0 (r2972; May 27, 2019). First public release of v. 10.6.

- Updated: 3DxNX v. 3.4.12 (r15850; Jul 19, 2018).
- Updated (x64): 3DxNX v. 3.4.11 (r15197; Jul 19, 2018).
- Updated: 3DxPhotoshop v. 2.9.2 (r16125; Apr 30, 2019).
- Updated (x64): 3DxPhotoshop v. 2.9.2 (r16125; Apr 30, 2019).
- Updated: 3DxProENGINEER v. 2.4.2 (r16025; Mar 28, 2019).
- Updated (x64): 3DxProENGINEER v. 2.4.2 (r16025; Mar 28, 2019).
- Updated: 3DxSketchUp v. 5.0.0 (r16110; Apr 27, 2019).
- Updated (x64): 3DxSketchUp v. 5.0.0 (r16110; Apr 27, 2019).
- Updated: 3DxSolidEdge v. 3.6.2 (r16104; Apr 18, 2019).
- Updated (x64): 3DxSolidEdge v. 3.6.2 (r16104; Apr 18, 2019).
- Updated: 3DxStudio v. 6.2.9 (r15959; Mar 8, 2019).
- Updated (x64): 3DxStudio v. 6.2.9 (r15959; Mar 8, 2019).
- Updated: 3DxTrainer v. 3.2.6 (r15847; Feb 6, 2019).
- Updated: 3DxWinCore v. 17.6.0 (r16266; May 27, 2019).
- Updated (x64): 3DxWinCore v. 17.6.0 (r16266; May 27, 2019).
- Updated: DemoPrograms v. 0.9.7 (r2965; May 13, 2019).
- New: Add support for new device type "CadMouse Pro Wireless".
- New: Added support for PTC Creo Parametric 6.0.
- Fix: [WIN-280] Iso1 and Iso2 cannot be set in a camera view in Autodesk 3ds Max.
- Fix: Model moves out of view during the animation (Autodesk 3ds Max).
- Fix: [WIN-330] Onshape icons rendered incorrectly.
- Fix: [WIN-315] Reset all settings does not update advanced settings UI.
- Fix: [WIN-333] 3DxHome crashes when 3DxHome.xml is saved for Polish.
- Note: Supported version range of SketchUp changed to 2014 to 2019. Versions 2013 and older no longer supported.