

Software Release Version 10.1

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| 2.0 | 3Dconnexion | 2014-May-22 | Final | Mac update |
| 3.0 | 3Dconnexion | 2014-Jun-26 | Final | Linux and Windows update |
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1. Introduction

1.1 Purpose

This document summarizes the changes in 3Dconnexion Software version as specified in 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 10.1.

1.4 Document History

Version 3.0

- New updates to software for Linux and Microsoft Windows.

Version 2.0

- Includes information a new update to software for Apple OS X.

Version 1.0

- First document version. Includes information on a new software release for Microsoft 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 June 26, 2014

Update of software for Linux and Microsoft Windows.

Linux

- 3DxWareUNIX for Linux updated to version 10.8.0.
- Added support for SpaceMouse Pro Wireless.
- Fix driver launch on login on Red Hat Enterprise Linux 6.

Windows

- Update 3DxWare 10 to version 10.1.2.
- Add support for SolidCAM 2013 and 2014.
- Stability improvements to driver and plug-in software.
- Added official support for SpaceMouse Pro Wireless.

2.2 Release of May 22, 2014

Update of software for Apple OS X.

OS X

- 3DxWare 10 for OS X updated to version 10.1.2.
- Added support for Autodesk Maya 2015.
- Fixed Radial Menu operation on multi-screen systems with mixed high and low resolution displays.

2.3 Release of May 16, 2014

Update of software for Microsoft Windows.

Windows

- 3DxWare 10 for Windows updated to version 10.1.0.
- Added official support for SpaceMouse Explorer USB, SpaceMouse Pro and SpacePilot Pro.
- Added Chinese (Simplified), French and Japanese language support to driver user-interface ("3Dconnexion Properties" panel). The user-interface was previously available in English and German.
- All kernel drivers are signed by Microsoft (prevents warning during installation).
- Stability and performance 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 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.

3.2 Supported Operating Systems

Supported Windows operating systems:

- Windows XP Professional (SP2, SP3)
- Windows XP Professional x64 Edition (RTM, SP2, SP3)
- 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)

Note: Windows RT (ARM architecture) not supported.

3.3 Supported 3Dconnexion Products

Supported 3D mice products:

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

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: **10.1.2**.

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 | 10.1.2 | 2014 Jun 23 |
| 3DxAdobe3D | 1.3.0 | 2013 Mar 21 |
| 3DxAutoCAD | 4.6.0 | 2011 Apr 4 |
| 3DxAutoCAD (x64) | 4.6.0 | 2011 Apr 4 |
| 3DxCollage | 1.3.0 | 2011 Feb 4 |
| 3DxInventor | 2.0.5 | 2014 Jun 12 |

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|-------------------------------|----------|-------------|
| <i>3DxInventor (x64)</i> | 2.0.5 | 2014 Jun 12 |
| 3DxLcdApplets (SPP only) | 1.3.2 | 2013 Apr 9 |
| 3DxLcdApplets (x64; SPP only) | 1.3.2 | 2013 Apr 9 |
| <i>3DxMaya</i> | 5.0.5 | 2014 Jun 12 |
| <i>3DxMaya (x64)</i> | 5.0.5 | 2014 Jun 12 |
| <i>3DxNX</i> | 3.0.4 | 2014 Mar 19 |
| <i>3DxNX (x64)</i> | 3.0.4 | 2014 Mar 19 |
| 3DxPhotoshop | 2.4.0 | 2013 May 16 |
| 3DxPhotoshop (x64) | 2.4.0 | 2013 May 16 |
| <i>3DxProENGINEER</i> | 2.0.2 | 2014 Jun 12 |
| <i>3DxProENGINEER (x64)</i> | 2.0.2 | 2014 Jun 12 |
| 3DxSI | 3.0.3 | 2014 Feb 10 |
| 3DxSI (x64) | 3.0.3 | 2014 Feb 10 |
| 3DxSketchUp | 4.0.2 | 2013 Dec 13 |
| <i>3DxSolidEdge</i> | 3.0.2 | 2014 May 2 |
| <i>3DxSolidEdge (x64)</i> | 3.0.2 | 2014 May 2 |
| <i>3DxSolidWorks</i> | 3.0.4 | 2014 Jun 16 |
| <i>3DxSolidWorks (x64)</i> | 3.0.4 | 2014 Jun 16 |
| <i>3DxStudio</i> | 6.0.3 | 2014 May 7 |
| <i>3DxStudio (x64)</i> | 6.0.3 | 2014 May 7 |
| 3DxTrainer | 3.2.2 | 2013 Mar 8 |
| <i>3DxWinCore</i> | 17.1.2 | 2014 Jun 23 |
| <i>3DxWinCore (x64)</i> | 17.1.2 | 2014 Jun 23 |
| 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. 10.0.22

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

The following component products were removed: *none*.

The following component products were changed (updated): 3DxInventor, 3DxMaya, 3DxNX, 3DxProENGINEER, 3DxSolidEdge, 3DxSolidWorks, 3DxStudio, and 3DxWinCore.

Version 10.1.2 (June 23, 2014). Third public release of version 10.1.

- Updated: 3DxInventor v. 2.0.5 (r10418; Jun 12, 2014).
- Updated (x64): 3DxInventor v. 2.0.5 (r10418; Jun 12, 2014).
- Updated: 3DxMaya v. 5.0.5 (r10430; Jun 12, 2014).
- Updated (x64): 3DxMaya v. 5.0.5 (r10430; Jun 12, 2014).
- Updated: 3DxProENGINEER v. 2.0.2 (r10428; Jun 12, 2014).
- Updated (x64): 3DxProENGINEER v. 2.0.2 (r10428; Jun 12, 2014).
- Updated: 3DxSolidWorks v. 3.0.4 (r10441; Jun 16, 2014).
- Updated (x64): 3DxSolidWorks v. 3.0.4 (r10441; Jun 16, 2014).
- Updated: 3DxWinCore v. 17.1.2 (r10488; Jun 23, 2014).
- Updated (x64): 3DxWinCore v. 17.1.2 (r10488; Jun 23, 2014).
- New: Add support for "SolidCAM 2013 Embedded with CAD 2014" (OEM build of SolidWorks).
- New: Add support for SolidCAM 2014 Embedded (OEM build of SolidWorks).
- Change: Updated Maya 2015 support from 2015 beta to RTM.
- Fix: Fixed navigation in Autodesk Revit.
- Fix: [6684] Inventor crashes during editing in drawing mode.
- Fix: [6698] If a keyboard driver is set to Russian the Virtual Numpad sends 'ю' and '6' instead of ',' (comma) and '.' (period).
- Fix: [6718] Macro records wrong keyboard commands in "3Dconnexion Properties" panel.
- Fix: [6723] Dominant filter does not work in "3Dconnexion Properties" panel.

Version 10.1.1 (May 30, 2014).

- Updated: 3DxWinCore v. 17.1.1 (r10354; May 30, 2014).
- Updated (x64): 3DxWinCore v. 17.1.1 (r10354; May 30, 2014).
- Fix: [6685] 3Dconnexion Viewer does not start if navigation is set to Camera Mode.

Version 10.1.0 (May 14, 2014). First public release of version 10.1.

- Updated: 3DxInventor v. 2.0.4 (r10188; Apr 28, 2014).
- Updated (x64): 3DxInventor v. 2.0.4 (r10188; Apr 28, 2014).
- Updated: 3DxNX v. 3.0.4 (r9999; Mar 19, 2014).
- Updated (x64): 3DxNX v. 3.0.4 (r9999; Mar 19, 2014).
- Updated: 3DxSolidEdge v. 3.0.2 (r10203; May 2, 2014).
- Updated (x64): 3DxSolidEdge v. 3.0.2 (r10203; May 2, 2014).
- Updated: 3DxSolidWorks v. 3.0.3 (r10104; Apr 1, 2014).
- Updated (x64): 3DxSolidWorks v. 3.0.3 (r10104; Apr 1, 2014).
- Updated: 3DxStudio v. 6.0.3 (r10218; May 7, 2014).
- Updated (x64): 3DxStudio v. 6.0.3 (r10218; May 7, 2014).
- Updated: 3DxWinCore v. 17.1.0 (r10275; May 14, 2014).
- Updated (x64): 3DxWinCore v. 17.1.0 (r10275; May 14, 2014).
- New: Chinese, French, Japanese support. Driver software now localized in Chinese (Simplified), English, French, German and Japanese.
- New: Added help documentation (3DxWare.chm) in Chinese, French, German and Japanese.
- Change: Address inconsistency in option behavior in the “Advanced Settings” panel of the “3Dconnexion Properties” user-interface (options are now applicable regardless of device type).
- Change: All kernel drivers now signed by Microsoft (no warnings displayed during driver installation).
- Fix: [6629] Fixed problem with events not going to 3D window in Inventor when Measure Tool is displayed.
- Fix: [6644] Impossible to assign buttons in Rhino V5 using “3Dconnexion Properties” panel.
- Fix: [6660] Resolve stability issue in Autodesk 3ds Max 2015 with Active Shade and a perspective view.

4. OS X Software

4.1 Description

3DxWare 10 includes driver and plug-in software for Apple OS X.

4.2 Supported Operating Systems

- Apple OS X 10.7 (“Lion”)
- Apple OS X 10.8 (“Mountain Lion”)
- Apple OS X 10.9 (“Mavericks”)

4.3 Supported 3Dconnexion Devices

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

4.4 Package File Name

3DxWare 10 for OS X is distributed as a single disk image file (.dmg) with the following file name format: **3DxWareMac_vX-Y-Z_r0000**, where "X-Y-Z" is the version number and "r0000" the revision number. As an example, the package for release version **10.0.11** had "3DxWareMac_v10-0-11_r1537.dmg" as file name.

4.5 Changes to 3DxWare 10 for OS X

The following paragraphs describe in detail the changes to 3DxWare 10 and included products

4.5.1 Table of Included Products

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

| 3DxWare 10 | 10.1.2 | 2014 May 16 |
|--------------------|---------------|--------------------|
| 3DxAcrobat3D | 1.0.2 | 2012 Dec 12 |
| 3DxPhotoshop (CC) | 2.4.0 | 2013 Apr 13 |
| 3DxPhotoshop (CS6) | 2.4.0 | 2013 Apr 13 |
| 3DxPhotoshop (CS5) | 2.4.0 | 2013 Apr 13 |
| 3DxMaya | 4.4.0 | 2014 May 14 |
| 3DxSketchUp | 3.3.0 | 2013 Out 17 |

4.5.2 Changes to 3DxWare 10 since v. 10.0.14

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

The following component products were removed: none.

The following component products were changed (updated): 3DxMaya and 3DxSketchUp.

Version 10.1.2 (r1773, Mar 21, 2014). Third public release of version 10.1.

- Updated: 3DxVirtualLCD Version 1.0.5 (r10266)
- Updated: 3DxRadialMenu Version 1.0.4 (r10239)
- Updated: 3DxMaya Version 4.4.0 (r10233)
- New: Added support for Autodesk Maya 2015.
- Fix: Fixed Radial Menus on multiscreen setups with mixed hi-res and low-res displays.

Version 10.1.1 (r1756, March 21, 2014).

- Updated: 3DxRadialMenu version 1.0.3 (r10010; Mar 21, 2014).
- New: Preliminary support for Autodesk Fusion 360 and Sim 360.

- Fix: Fixed highlighting of button 1 in Radial Menu UI display.
- Fix: [6500] SpacePilot Pro LCD has four times the size with Retina devices.
- Fix: [6604] Radial Menu not working correctly on Retina display.
- Fix: [6608] No way to change mapping of SN and SNfN buttons.

Version 10.1.0 (r1693, November 22, 2013)

- Updated: 3DxMaya Version 4.3.8 (r9549)
- Updated: 3DxSketchUp Version 3.3.0 (r9505)
- New: Added support for Apple OS X 10.9 ("Mavericks").
- Change: Dropped support for Apple OS X 10.6 Snow Leopard; minimum OS X version required: 10.7 (Lion).
- Change: Performance and stability improvement to included demo and helper programs.
- Fix: [6536] Virtual LCD panel shown on desktop preview in Mission Control.

5. UNIX/Linux Software

5.1 Description

3DxWareUNIX is the driver software (user-mode) for UNIX and Linux operating systems. Five redistributable packages are available for redistribution and each includes the driver executable and an installation script.

5.2 Supported Operating Systems

- AIX 5.2 ML04 or newer;
- HP-UX 11 or newer;
- Linux: Red Hat Enterprise Linux Workstation 4, 5, 6; Novell SUSE Linux 9.3, 10, 11;
- SUN Solaris 9/04 or newer;
- SUN Solaris 10 x86/x64.

5.3 Supported 3Dconnexion Devices

- SpaceExplorer USB
- SpaceMouse Pro
- SpaceMouse Pro Wireless (see note 1)
- SpaceMouse Wireless (see note 1)
- SpaceNavigator
- SpaceNavigator for Notebooks
- SpacePilot Pro

Note 1: SpaceMouse Pro Wireless and SpaceMouse Wireless support available on Linux only.

Note 2: Original SpacePilot device type not officially supported in software published after March 2013.

5.4 Changes to 3DxWareUNIX

The following paragraphs describe in detail the changes to 3DxWareUNIX and associated products.

5.4.1 Current version

Current version of 3DxWareUNIX for Linux: **1.8.0**.

Note: 3DxWare for UNIX unchanged at version 1.6.0.

5.4.2 Changes to 3DxWareUNIX for Linux since v. 1.7.0

The following paragraphs describe in detail the changes to 3DxWareUNIX for Linux.

Version 1.8.0 (r10505; Jun 26, 2014)

- Added: Support for SpaceMouse Pro Wireless.
- Fix: [6661] Linux driver doesn't start at all from /etc/inittab on RHEL 6.5
- Note: Only Linux software updated. 3DxWareUNIX for AIX, HP-UX and Solaris remains at version 1.6.0.