

# Software Release Version 10.0

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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 10.0.

## **1.4 Document History**

Version 1.0

- First document version. Includes information on a new major software release for Microsoft Windows and on a update to Apple OS X and Linux software.

## **1.5 References**

None.

## **2. Release Highlights**

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

### **2.1 First Release (October 1, 2013)**

Update software for Apple OS X, Linux and Microsoft Windows.

#### **OS X**

- 3DxWare 10 for OS X updated to version 10.0.14.
- Official support for SpaceMouse Wireless.
- New “Radial Menu” feature.

#### **Windows**

- Major new software release: 3DxWare 10 for Windows.
- 3DxWare 10 v. 10.0.17 includes official support for SpaceMouse Wireless only.

#### **Linux**

- 3DxWareUNIX for Linux updated to version 1.7.0.
- Add support for SpaceMouse Wireless.

## 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 redistribution:

- **3DxWare32:** includes all x86 (32-bit) Windows driver and plug-in software for all currently supported 3D except SpacePilot Pro. 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 except SpacePilot Pro. 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 8 and 8.1 RT (ARM architecture) not supported.

### 3.3 Supported 3Dconnexion Products

Supported 3D mice products:

- SpaceMouse Wireless

### 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 hardware driver (3DxWinCore).

#### 3.4.1 Current Version

The current version of 3DxWare 10: **10.0.17**.

#### 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
<b>3DxWare 10 for Windows</b>	<b>10.0.17</b>	<b>2013 Oct 1</b>
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	2.0.0	2013 Sep 18
3DxInventor (x64)	2.0.0	2013 Sep 18
3DxLcdApplets (SPP only)	1.3.2	2013 Apr 9
3DxLcdApplets (x64; SPP only)	1.3.2	2013 Apr 9
3DxMaya	4.3.7	2013 Sep 27
3DxMaya (x64)	4.3.7	2013 Sep 27
3DxNX	3.0.0	2013 Sep 12

<i>3DxNX (x64)</i>	<i>3.0.0</i>	<i>2013 Sep 12</i>
3DxPhotoshop	2.4.0	2013 May 16
3DxPhotoshop (x64)	2.4.0	2013 May 16
<i>3DxProENGINEER</i>	<i>2.0.0</i>	<i>2013 Sep 23</i>
<i>3DxProENGINEER (x64)</i>	<i>2.0.0</i>	<i>2013 Sep 23</i>
<i>3DxSI</i>	<i>2.11.5</i>	<i>2013 Sep 27</i>
<i>3DxSI (x64)</i>	<i>2.11.5</i>	<i>2013 Sep 27</i>
<i>3DxSketchUp</i>	<i>4.0.0</i>	<i>2013 Sep 12</i>
<i>3DxSolidEdge</i>	<i>2.23.2</i>	<i>2013 Sep 26</i>
<i>3DxSolidEdge (x64)</i>	<i>2.23.2</i>	<i>2013 Sep 26</i>
<i>3DxSolidWorks</i>	<i>3.0.0</i>	<i>2013 Sep 27</i>
<i>3DxSolidWorks (x64)</i>	<i>3.0.0</i>	<i>2013 Sep 27</i>
<i>3DxStudio</i>	<i>6.0.0</i>	<i>2013 Sep 12</i>
<i>3DxStudio (x64)</i>	<i>6.0.0</i>	<i>2013 Sep 12</i>
<i>3DxTrainer</i>	<i>3.2.2</i>	<i>2013 Mar 8</i>
<i>3DxWinCore</i>	<i>17.0.27</i>	<i>2013 Oct 1</i>
<i>3DxWinCore (x64)</i>	<i>17.0.27</i>	<i>2013 Oct 1</i>
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. 10.0.8 (Beta 16)**

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, 3DxSI, 3DxSketchUp, 3DxSolidEdge, 3DxSolidWorks, 3DxStudio, and 3DxWinCore.

Version 10.0.17 is the first release of 3DxWare 10 for Windows after the beta test program ended. As of this version, only the SpaceMouse Wireless is officially supported. Several new features and improvements have been made available from 3DxSoftware:

#### **Dynamic device connection support**

The driver in 3DxWare 10 allows users to connect and disconnect devices without being necessary to stop and start the driver.

#### **Improve speed response**

A new non-linear speed response algorithm has been implemented to extend the limit of maximum speed whilst keeping a fine control with small cap displacement (precise control).

#### **Multiple device support**

Users can now plug in and use more than one 3D mouse on the same system. Driver preferences are specific to each device type.

#### **New User Interface**

A completely new user interface has been implemented, offering integrated and easy-to-use panels to control driver and application settings, including button assignments.

#### **New Radial Menu feature**

Users can create any number of “radial menus” than can be activated from 3D mouse device buttons. The radial menus include four “buttons” that can be programmed using the same user-interface elements as hardware 3D mouse buttons.

#### **Support keyboard, mouse and joystick emulation**

The driver in 3DxWare 10 includes profiles for several applications that not have 3D mouse direct integration. Users can pan-and-zoom documents in Microsoft Word and web pages in Google Chrome, Microsoft Internet Explorer and Mozilla Firefox, among others.

**Version 10.0.17 (r1638; October 1, 2013).**

- Updated: 3DxInventor v. 2.0.0 (r9331; Sep 18, 2013).
- Updated (x64): 3DxInventor v. 2.0.0 (r9331; Sep 18, 2013).
- Updated: 3DxMaya v. 4.3.7 (r9397; Sep 27, 2013).
- Updated (x64): 3DxMaya v. 4.3.7 (r9397; Sep 27, 2013).
- Updated: 3DxNX v. 3.0.0 (r9266; Sep 12, 2013).
- Updated (x64): 3DxNX v. 3.0.0 (r9266; Sep 12, 2013).
- Updated: 3DxProENGINEER v. 2.0.0 (r9364; Sep 24, 2013).
- Updated (x64): 3DxProENGINEER v. 2.0.0 (r9364; Sep 23, 2013).
- Updated: 3DxSI v. 2.11.5 (r9400; Sep 27, 2013).
- Updated (x64): 3DxSI v. 2.11.5 (r9400; Sep 27, 2013).
- Updated: 3DxSketchUp v. 4.0.0 (r9282; Sep 12, 2013).
- Updated: 3DxSolidEdge v. 2.23.2 (r9395; Sep 26, 2013).
- Updated (x64): 3DxSolidEdge v. 2.23.2 (r9395; Sep 26, 2013).
- Updated: 3DxSolidWorks v. 3.0.0 (r9416; Sep 27, 2013).
- Updated (x64): 3DxSolidWorks v. 3.0.0 (r9416; Sep 27, 2013).
- Updated: 3DxStudio v. 6.0.0 (r9268; Sep 12, 2013).
- Updated (x64): 3DxStudio v. 6.0.0 (r9268; Sep 12, 2013).
- Updated: 3DxWinCore v. 17.0.27 (r9427; Oct 1, 2013).
- Updated (x64): 3DxWinCore v. 17.0.27 (r9427; Oct 1, 2013).
- New: Add support for new device type "SpaceMouse Wireless".
- New: Add support for Microsoft Windows 8.1 (all editions).
- New: Radial Menu feature.
- New: New, simplified user interface "3Dconnexion Properties".
- Change: Improve message prompting during the "update available" check.
- New: Autodesk Inventor, Autodesk 3ds Max, Dassault Systèmes SolidWorks, PTC Creo Parametric, Siemens PLM NX, Trimble SketchUp application commands available for 3d mouse button programming in "3Dconnexion Properties" panel.
- Fix: Stability improvements to driver and application plug-in software.
- Note: 3DxWare 10 versions 10.0.16 to 10.0.0 were beta test releases.

## 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 10.6 (“Snow Leopard”)
- Apple OS X 10.7 (“Lion”)
- Apple OS X 10.8 (“Mountain Lion”)

### 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.

<b>3DxWare 10</b>	<b>10.0.14</b>	<b>2013 Jul 16</b>
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	4.3.6	2013 Sep 23
3DxSketchUp	3.2.0	2013 Jul 12

#### 4.5.2 Changes to 3DxWare 10 since v. 10.013

3DxWare 10 version 10.0.11 is the first official release of the new driver and plug-in software for Apple OS X systems.

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

The following component products were removed: none.

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

#### Version 10.0.14 (r1626; September 23, 2013)

- Update: 3DxMaya plugin v. 4.3.6 (r9357).
- New: Officially support SpaceMouse Wireless.
- New: New Radial Menu feature.
- Change: Update default profile for formZ to correct axis mapping.
- Fix: Fixed memory leak issue in 3DxVirtualLCD.app and 3DxNumpad.app.

## 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; 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 Wireless (see note 2)
- SpaceNavigator
- SpaceNavigator for Notebooks
- SpacePilot Pro

Note 1: Original SpacePilot device type not officially supported in software published after March 2013.

Note 2: SpaceMouse Wireless support available on Linux only.

### 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: **1.7.0**.

Note: 3DxWare for UNIX unchanged at version 1.6.0.

#### 5.4.2 Changes to 3DxWareUNIX for Linux since v. 1.6.0

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

Version 1.7.0 (r9315; Sep 18, 2013)

- New: Support for SpaceMouse Wireless
- Note: Only Linux software updated. 3DxWareUNIX for AIX, HP-UX and Solaris remains at version 1.6.0.