

# Software Release Version 10.8 for Microsoft Windows

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Classification:	<i>Public documentation</i>

## Document history summary:

Version	Author	Date	Status	Comment
1.0	3Dconnexion	2021-Sep-29	Final	First document version
2.0	3Dconnexion	2021-Oct-21	Final	Version 10.8.3 update
3.0	3Dconnexion	2021-Dec-9	Final	Version 10.8.4 update
4.0	3Dconnexion	2022-Feb-4	Final	Version 10.8.5 update
5.0	3Dconnexion	2022-Mar-8	Final	Version 10.8.6 update
6.0	3Dconnexion	2022-Apr-8	Final	Version 10.8.7 update
7.0	3Dconnexion	2022-Jul-22	Final	Version 10.8.8 update
8.0	3Dconnexion	2022-Oct-3	Final	Version 10.8.9 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 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 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.

### 2.2 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.

### 2.3 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.

### 2.4 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.

### 2.5 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.

### 2.6 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.

### 2.7 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.

### 2.8 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 8.1
- Windows 10
- Windows 11

Note: Windows on ARM architecture 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: **10.8.9**.

### 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>10.8.9</b>	<b>2022 Sep 27</b>
<i>3DxAdobe3D</i>	1.5.1	2022 Jan 12
<i>3DxAdobe3D (x64)</i>	1.5.1	2022 Jan 12
<i>3DxAutoCAD</i>	5.7.2	2021 Dec 21
<i>3DxAutoCAD (x64)</i>	5.7.2	2021 Dec 21
<i>3DxInventor</i>	2.4.1	2022 May 18
<i>3DxInventor (x64)</i>	2.4.1	2022 May 18
3DxLcdApplets (SPP only)	1.5.1	2018 Feb 15
3DxLcdApplets (x64; SPP only)	1.5.1	2018 Feb 15
<i>3DxMaya (x64)</i>	6.0.14	2022 Jul 13
<i>3DxMSOffice</i>	1.1.2	2022 Apr 8
<i>3DxMSOffice (x64)</i>	1.1.2	2022 Apr 8
<i>3DxNavisworks</i>	1.0.0	2022 Jun 25
<i>3DxNLServer</i>	1.4.3	2022 May 13
<i>3DxNX</i>	3.5.1	2022 Jul 4
<i>3DxNX (x64)</i>	3.5.1	2022 Jul 4
<i>3DxPhotoshop</i>	2.11.0	2022 Sep 9
<i>3DxPhotoshop (x64)</i>	2.11.0	2022 Sep 9
<i>3DxProENGINEER</i>	2.4.5	2022 Mar 16
<i>3DxProENGINEER</i>	2.4.5	2022 Mar 16
<i>3DxRevit</i>	1.0.1	2022 May 18
<i>3DxSketchUp</i>	5.3.2	2022 Jul 8
<i>3DxSketchUp (x64)</i>	5.3.2	2022 Jul 8
<i>3DxSolidEdge</i>	3.6.3	2019 Nov 5
<i>3DxSolidEdge (x64)</i>	3.6.3	2019 Nov 5
<i>3DxSolidWorks</i>	3.5.14	2022 Sep 5
<i>3DxSolidWorks (x64)</i>	3.5.14	2022 Sep 5
<i>3DxStudio (x64)</i>	7.0.13	2022 Jul 13
<i>3DxTrainer</i>	3.2.7	2020 Jul 9
<i>3DxUnity3D</i>	1.0.0	2022 Jul 12
<i>3DxUnreal</i>	1.1.5	2022 Sep 27
<i>3DxViewer10</i>	1.1.0	2021 Sep 22
<i>3DxViewer10 (x64)</i>	1.1.0	2021 Sep 22
<i>3DxWinCore</i>	17.8.9	2022 Sep 22
<i>3DxWinCore (x64)</i>	17.8.9	2022 Sep 22
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.*

### 3.5.3 Changes to 3DxWare 10 since v. 10.7.4

The following component products were added (new): 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 10.8.9 (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 Menus 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 Menus 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 an "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 E[ic 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] 3Dxprofilesrvr.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.