

N-trig DuoSense™ Multi-Touch Beta Package for Windows 7

Bundle version 2.18

Release Notes

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About this Document

These release notes provide information about the functionality, enhancements, resolved problems and known issues in the N-trig DuoSense™ Beta Package for Windows 7.

Release Overview

Previously released versions of DuoSense for the Dell Latitude XT enabled multi-touch gesture detection at device level. This allowed the support of multi-touch gestures in operating systems (OS) which did not inherently support multi-touch (XP Tablet, Vista for 32 and 64 bit).

For more information about working with DuoSense using two different operating systems, see the section entitled [Dual Technology Mechanism](#).

This release contains a full software package that demonstrates true multi-touch digitizer functionality (for more than two fingers simultaneously), and is also compatible with standard Windows 7 capabilities, and protocol.

Important note: This software solution is only compatible with the Dell Latitude XT. Additional platforms may be supported by future releases.

Important note: This software solution supports only Multi-touch. Pen functionality is not supported.

Please note, this release is the **beta release**. Improvements and patches will be released periodically in the future.

Software Configuration

Windows 7 (Build 7000)	32-bit
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Note: Windows 7, 64-bit is not supported for this release.

Hardware Configuration

This beta package uses the following hardware specifications:

Notebook PC	Dell Latitude XT Tablet
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NOTE: This package is only compatible with the above-mentioned software and hardware.

Installation Instructions

This section describes the various installation options for N-trig DuoSense™ Beta Package for Windows 7.

The installation package comprises a host driver, firmware and software package. You can install N-trig DuoSense™ Beta Package for Windows 7 in the standard Windows manner.

If you are running a previous version of the N-trig software bundle, or any previous component of the previous bundle, **you must [uninstall](#) it prior to installing this package.**

Note: You must ensure that your computer is securely connected to an electrical source during the installation process.

To install N-trig DuoSense™ Beta Package for Windows 7:

1. Uninstall any of N-trig's existing software packages, using the **Remove** option from the **Programs and Features** section in the Control Panel.
2. Run the **DuoSense_MT_BetaforWin7_32bit_LatitudeXT** setup file.
3. Follow the instructions displayed as the installation progresses.
4. The final step of the installation process requires you to restart your computer when the installation process completes. Select **Restart my computer now**, and click **Finish**.

Important Note: When rebooting, or resuming from sleep or hibernate status, do not touch the screen until Windows has finished loading.

You have now installed N-trig DuoSense™ Beta Package for Windows 7.

To remove the N-trig DuoSense™ Beta Package for Windows 7 (and other DuoSense packages):

1. Uninstall **N-trig DuoSense™ Beta Package for Windows 7**, using the **Remove** option from the **Programs and Feature** section in the Control Panel.
2. After removal, shutdown the notebook, restart and install the required N-trig software package.

Known Issues

The following section describes issues that will be corrected in a future release.

Description of Issue
Drivers in this package are not digitally signed (certified), and sometimes a warning message is displayed to this effect.
The Beta version of this software package does not support pen functionality, or palm detection.
The Beta version of this software package does not support Windows 7, 64-bit.
To return to the previous version, (for example, N-trig DuoSense MTG software bundle 1.68), you must remove this Beta Multi-Touch bundle, and then reinstall the original DuoSense MTG software bundle.
After a system reboot, the Touch functionality sometimes ceases to work. Workaround: Reboot the system again. Touch functionality resumes working within approximately a minute.

Very occasionally, when using multi-finger input functionality, an artificial touch input is detected.

Performance may not be optimized when more than four fingers are detected, and the refresh rate is reduced if the number of fingers on the screen increases.

If you did not uninstall the previous version of the DuoSense™ Pre-Beta Package for Windows 7, you may encounter two DuoSense icons in the Programs and Features section of the Control Panel.

Workaround: Delete both icons, uninstall the previous DuoSense™ Pre-Beta Package for Windows 7, and re-install DuoSense™ Beta Package for Windows 7.

After a successful installation, if the installer is launched, and the Repair option is selected, the installer starts normally, but then crashes and displays a “fatal error” message.

Workaround:

1. Shut down and reboot the computer.
2. Launch the installer and select **Repair**.

After the repair succeeds, multi-touch functionality is restored.

Dual Technology Mechanism

Overview

There are two types of multi-touch technology inherent in DuoSense: Multi Touch Gestures (MTG) and Multi Touch Manipulations (MTM).

DuoSense MTG supports the use of a stylus and up to two fingers, enabling gestures and special multi touch applications. MTG technology is supported by the Vista and XP Tablet OS.

DuoSense MTM supports an unlimited number of fingers, and is supported by the Windows 7 OS.

When switching between different OS, you are also switching between different multi-touch technologies.

The computer model for which these procedures are relevant is the Dell Latitude XT.

Switching between OS

With either Windows Vista or XP Tablet, the default DuoSense technology is MTG.

If you uninstall any DuoSense multi-touch package for Windows 7, you will disable MTM functionality, and will only be able to use the DuoSense pen and single-touch functionality.

To resume MTG functionality on Windows 7, you must install the replacement DuoSense MTG functionality, as described [below](#).

Switching from Vista or XP Tablet to Windows 7

To switch between Windows Vista or XP Tablet and Windows 7, perform the following steps:

1. Reboot your computer, and run Windows 7.
2. Install the N-trig DuoSense multi-touch package for Windows 7.
3. Restart your computer. MTM functionality is enabled.

Switching from Windows 7 to Vista or XP Tablet

To switch between Windows 7 and Windows Vista or XP Tablet, perform the following steps:

1. Uninstall the N-trig DuoSense multi-touch package for Windows 7. The computer will automatically shut down.
2. Re-start your computer, and run either Windows Vista or XP Tablet, as required. MTG functionality is enabled

Note: To enable advanced MTG functionality, upgrade to a newer version of the N-trig DuoSense package.