OptiSystem 12 and 12.1 Release Notes

IMPORTANT - PLEASE READ ME

Installation Notes:

- It is highly recommended that all previous versions of OptiSystem or OptiSys_Design be removed before starting the installation of OptiSystem 12. If performing the OptiSystem 12.1 web update, OptiSystem 12 must already be installed on the target computer.
- If the length of the installation directory path is too long, it can cause the installation to fail. To avoid this, it is recommended that you not exceed the length of the default installation path
- Back up your data before installing OptiSystem 12 if you are a current user of OptiSystem 11 or earlier. The software installation program supplies a complete set of samples. These samples could overwrite the contents of the samples directory from previous versions of OptiSystem found on your computer. If you have data in the OptiSystem samples directory you want to keep, please make a copy of your samples directory before installing OptiSystem 12 to avoid losing your data.

Minimum hardware and software requirements

- Microsoft Windows XP, Windows Vista or Windows 7/8 32-bit or 64-bit edition
- 400 MB free hard disk space
- 1024 x 768 graphic resolution, minimum 65536 colors
- 128 MB of RAM
- Internet Explorer 5.5 (or higher)
- DirectX 8.1 (or higher)

Application execution

- When running OptiSystem under a Restricted User Profile, place all sample files in the Restricted User's folder, or wherever the user has Read/Write access. It may also be necessary to remove the Read-only flag from the file after the copy is made. This has to do with file permissions - OptiSystem needs to open the file in a read/write mode. Please contact your network administrator if you need assistance.
- There are some MATLAB files (.m) included that are necessary to make the samples work properly. Another important point - the path in the MATLAB search path (Main tab of the Matlab component) has to be updated with the path to the Matlab files, otherwise the sample will not work.
- The path to Scilab/bin folder has to be added to the system path, otherwise the Scilab component library will not work.
- In order for the OptiSystem Online Help to function properly, Adobe Acrobat Reader must be installed. To get the latest version please visit the Adobe website at http://www.adobe.com/, or install from the version that is provided on the OptiSystem Installation CD
- Some computers provide a power saving feature, Hibernation. If available, this feature is controlled by opening Power Options in Control Panel. Clicking the Hibernate tab, and then selecting the Enable hibernate turns it on. After the computer goes into hibernation, it won't find the Optiwave protection key, and the

simulation will stop with a message that the protection key can't be found. Disable the hibernation feature of the computer in order to avoid this problem.

- OptiSystem 12 and 12.1 support OptiPerformer 12 file export. OptiPerformer can be downloaded at http://www.optiwave.com/.

OptiSystem Version 12 New Features

- Please refer to “OptiSystem 12 Features.pdf” for an overview of new features and updates available with OptiSystem 12

OptiSystem Version 12.1 Summary of Changes

- An important software fix for Windows 8 users is included with OptiSystem 12.1. If you have OptiSystem 12 running on a Windows 8 operating system we highly recommend that you download and install the OptiSystem 12.1 web update to restore the functionality of the Project Browser feature (which was found to be inactive for OptiSystem 12 32 and 64-bit systems running on the Microsoft Windows 8 operating system).
- Within Windows Explorer, under All Programs/Optiwave Software/OptiSystem 12, a new “Install OptiSystem Samples” menu item has been introduced. Simply run the application and a full copy of the OptiSystem 12 samples directory will be created in the specified file directory location. The procedure can be repeated as many times as desired.
- Minor updates to the OptiSystem documentation suite have been added, including clarifications to the Laser Rate Equations and Fabry-Perot laser models.