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# GemmoRaman-532™

Software Installation Instructions

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## Overview

GemmoRaman-532™ is Raman & Photoluminescence spectrometer specifically developed for gemological material identification purposes.

The spectrometer comes with dedicated free software allowing user-friendly data acquisition and sophisticated algorithms for spectral matching. Software also contains comprehensive libraries of gemology related materials including notes and interpretation instructions were applicable. Software can be installed free of charge without GemmoRaman-532™ hardware product.



## Supported platforms

Software installation has been tested on following hardware and operating systems:

- PC computer with Microsoft Windows Vista, Windows 7 or Windows 8 (32 or 64bit)
- Windows partition or VM Fusion virtual machine on Mac OS X 10.5 or later
- One free USB 2.0 port

## Important note!

Do not plug in GemmoRaman-532™ hardware to your PC's USB port before installing the software.

## Installation process

Installation process consists of three straightforward steps described in this document. Total time required for installation is about 5 minutes depending on computer hardware.





### Step 1: Install DotNetFramework

DotNetFramework is Microsoft's general library for running modern software. It is usually already shipped with new PC installations. GemmoRaman-532™ software uses DotNetFramework version 4.0.

- 1.1 Download **DotNetFramework 4.0** package from <http://www.gemmoraman.com/Downloads.aspx> and save the file to your computer.
- 1.2 Run *dotNetFx40\_Full\_x86\_x64.exe* by double-clicking the saved installation package.
- 1.3 If you get security warning click *Run*
- 1.4 Follow the instructions of Microsoft .NET Framework Setup wizard. You may receive an error: "This product is already installed as part of the operating system". In that case you can ignore the warning and continue to Step 2.

### Deciding between 32 and 64 bit software installations

The software can be installed as 32bit or 64bit depending on computer's specifications and currently installed products. Generally it is advised to install 32bit version for 32bit Windows, and 64bit version for 64bit Windows operating system. However, 32bit GemmoRaman software installation is required in case 32bit version of Microsoft Office has been installed to 64bit operating system. In case 64bit version of Microsoft Office has been installed to 64bit Windows operating system, 64bit version of GemmoRaman software must be installed.

### Step 2: Install Ocean Optic's OmniDriver software

GemmoRaman-532™ has high quality Ocean Optics spectrometer embedded. OmniDriver is manufacturer's software package allowing commanding the spectrometer. One installation package works for both 32 and 64bit Microsoft Windows operating systems.

- 2.1 Download **OmniDriver** package from <http://www.gemmoraman.com/Downloads.aspx> and save the file to your computer. Please download 32 or 64bit version of the package according to your decision between the 32 and 64bit installations.
- 2.2 Run installation by double-clicking the saved installation package.
- 2.3 Select your installation language and click OK
- 2.4 Follow the instructions of the setup wizard. A good practice is to leave all options unaltered and click *Next >* button until the installation has been done.
- 2.5 If an additional installer window "*Microsoft Visual C++ 2008 Redistributable Setup*" opens during the OmniDriver installation you must install that too by clicking *Next >* and *Install >*.
- 2.6 When installation is complete you receive a message: "*Setup has finished installing*". Click *Finish -* button.

### Step 3: GemmoRaman software

Final step is installation of the actual GemmoRaman-532™ software. Again, please select 32 or 64bit package according to your decision between 32 and 64bit installation.

- 3.1 Download **GemmoRaman-532™ Software** from <http://www.gemmoraman.com/Downloads.aspx> and save the file to your computer.
- 3.2 Run installation by double-clicking the saved installation package.
- 3.3 Follow the installation wizard by clicking *Next >* until finished. Best practice is to leave all the default options unaltered during the installation.
- 3.4 When installation is ready you will receive a message: "*MAGI GemmoRaman532 has been successfully installed*".
- 3.5 Click *Close*.



Installation creates GemmoRaman-532 icon on your computer's desktop and Programs Menu. Start software by double-clicking *GemmoRaman-532* icon on your desktop.

If you experienced any problems during the installation please do not hesitate to contact us. We will be more than happy to assist all our customers in installation. This can be done by us taking remote desktop connection to your PC via Internet. During the process our client is able to see everything we do at computer.