

# Installation and getting started

## Instructions for installing and registering (or activating) Iimatest

### Important changes in Iimatest 3.6+

Starting with [Iimatest 3.6](#), the new Matlab R2009B (Version 4.11) or R2010B (Version 4.14) compiler replaces the old R13 compiler (Version 3.0.1). The ~200MB **Matlab Compiler Runtime (MCR)** (a sort of virtual machine) is now included in all Iimatest downloads.

Starting with [Iimatest 3.7](#), a new Registration/Activation system is used. This system allows Iimatest to be installed on many computers, but to be activated on only one. Activation can be easily moved between computers. For details see [Online Activation](#) | [Online Deactivation](#) | [Offline Activation](#) | [Offline Deactivation](#).

If you have difficulties with the installation, be sure to check the [Troubleshooting](#) page.

Iimatest is normally compiled as a 32-bit application that runs on 32 and 64-bit computers. (64-bit applications have little performance advantage and won't run on 32-bit computers.)

The download and first-time installation may take several minutes each. The first time you install Iimatest 3.6+ you should be sure **Matlab Libraries** is checked. When installation is complete the **Matlab Runtime Library (MCR)** and **Iimatest programs** will be in the following locations.

<b>Runtime Library (MCR)</b>	32-bit Win32	%ProgramFiles%\MATLAB\MATLAB Compiler Runtime\v714 (... \v711 for Iimatest 3.6) C:\Program Files\MATLAB\MATLAB Compiler Runtime\v714 (English installations)
	64-bit Win64	%ProgramFiles(x86)%\MATLAB\MATLAB Compiler Runtime\v714 C:\Program Files (x86)\MATLAB\MATLAB Compiler Runtime\v714 (English installations)
<b>Iimatest programs</b>	32-bit Win32	%ProgramFiles%\Iimatest\edition where <i>edition</i> is Master, Image Sensor, etc. C:\Program Files\Iimatest\edition (English installations)
	64-bit Win64	%ProgramFiles(x86)%\Iimatest\edition where <i>edition</i> is Master, Image Sensor, etc. C:\Program Files (x86)\Iimatest\edition (English installations)

If you try running Iimatest before the MCR has been installed the following message may appear. You'll

need to reinstall with **Matlab Libraries** checked.

**This application has failed to start because mclmcr71.dll was not found.**

Except as noted, the following instructions apply to Imatest 3.7+.

## Install Imatest

If you haven't downloaded Imatest, go to the [Imatest download page](#) before proceeding.

**[Pre-3.6-only:** If you plan to install Imatest on a computer that will **not** be connected to the Internet during installation (or if you are behind a strong corporate firewall), download the Matlab runtime library, [Imatest-lib.exe](#) (8.5 MB), to the same folder as the Imatest installer file. This only needs to be done once. If [Imatest-lib.exe](#) is not in this folder during installation, the installer attempts to download it from the Internet.]

**You must have administrator privileges on your computer during installation.**

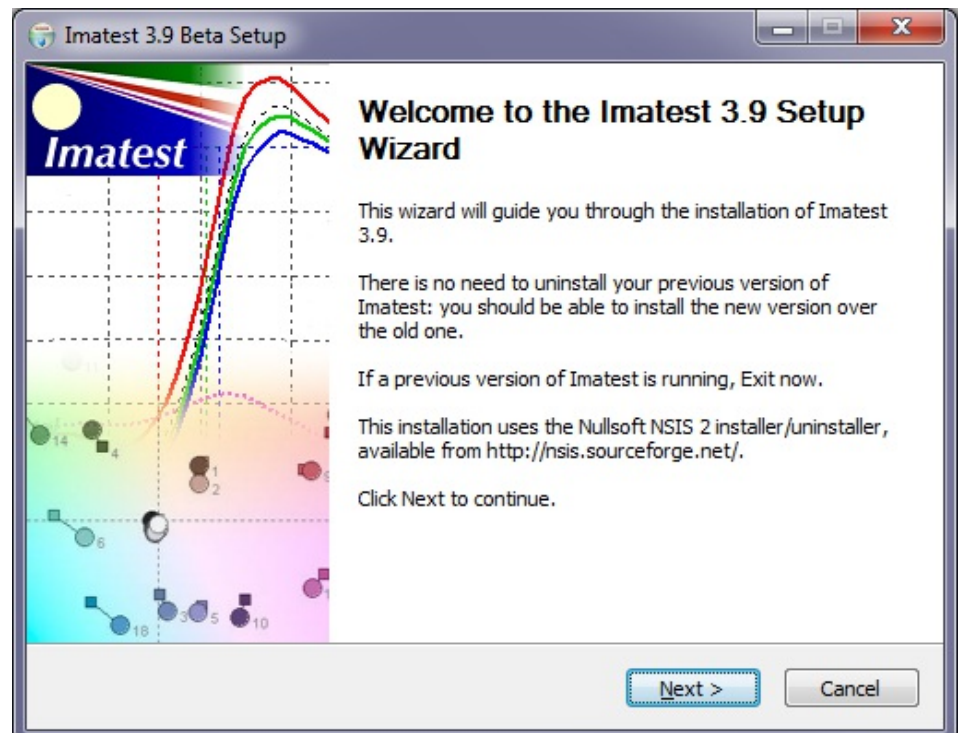
**If you have a strong firewall, you may need to disable it before you install Imatest for the first time. You can re-enable it when the installation is complete. This should not be necessary on subsequent installations.**

Open Windows Explorer and double-click on the Imatest installer file, **Imatest-version.exe**. (*Version* is the version number, e.g., 3.*n*). The [Change Log](#) contains the update history.) The version is displayed in the welcome window. Follow the instructions in the installation wizard (mostly clicking Next >).

Imatest installation opening window

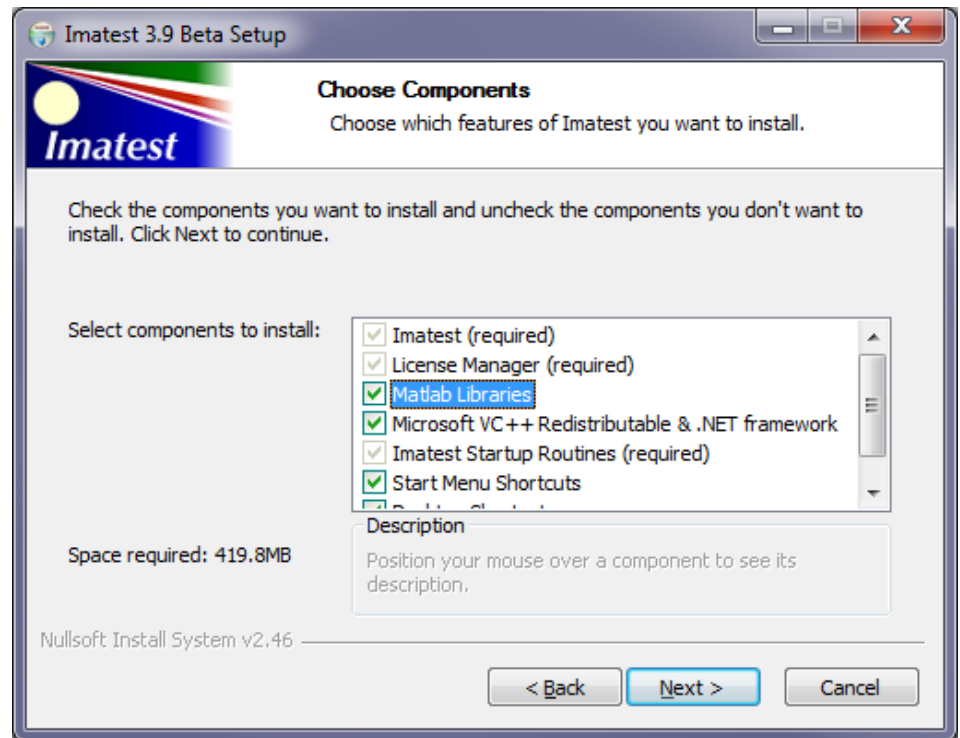
When you install Imatest you agree to the terms of the Imatest license, whose full text can be found [here](#).

The first time you install Imatest on a computer, be sure **Matlab libraries** is checked. This box should not be checked for updates (it slows the installation considerably), unless a new version of Imatest uses a new library (quite likely in 3.10).



Choose Components window:  
Matlab Libraries should be  
checked  
the first time Imatest is installed  
on a computer.

You can install Imatest on as  
many computers as you like, but  
you can activate and use it on  
only one computer at a time. To  
move it between computers (in  
Imatest 3.9+) you'll have to  
deactivate it on one and  
activate it on another. You can  
deactivate and activate by  
clicking **Help, License  
Manager (Activate)**, and  
following the instructions. More details on [Online Activation](#) | [Offline Activation](#) | [Online Deactivation](#) | [Offline Deactivation](#).



License Manager: used to deactivate Imatest on one computer before  
activating it on another. (It can be installed on as many computers as needed.)  
More details on [Online deactivation](#) | [Offline deactivation](#)

Imatest can be run by clicking the Iatest icon on the Desktop, the Start menu, or in the Iatest installation folder (C:\Program files\Imatest in English language installations). Instructions for running Iatest are located in [Imatest instructions](#). Links to instructions for individual Iatest modules are located in the [Imatest Documentation page](#).



**[Pre- Iatest 3.7:** If you encounter difficulties (usually caused by strong firewalls), make sure [Imatest-lib.exe](#) is in the same folder as the Iatest installer file. More details can be found on the [Troubleshooting](#) page.]

When you first run Iatest, it will be in evaluation mode.

[Pre- Iatest 3.7, evaluation mode allows up to 20 runs of individual modules, and has all the capabilities of the registered version except that It does not save results files and there is a watermark in the background of the plots. ]

You can upgrade to full unrestricted version by [purchasing](#) and [registering](#) Iatest.

## Enhanced EXIF data acquisition

[EXIF](#) data is image file metadata that contains camera and lens settings. Selected EXIF data (important values such as aperture, exposure time, ISO speed, and focal length) is displayed in several figures and saved in CSV and XML output files. The jhead.exe program included in the standard Iatest installation can only read limited EXIF data from JPEG files. Iatest's EXIF acquisition capabilities can be greatly enhanced using [Phil Harvey's ExifTool](#), which must be downloaded and installed separately from Iatest:

- Go to the [ExifTool home page](#) and download the Windows standalone executable (a zip file). This file is not included in the Iatest installation because it is [frequently updated](#).
- In Windows Explorer, double-click on the downloaded zip file.
- Copy the contents ( exiftool(-k).exe ) to the Iatest installation folder (typically C:\Program files\Imatest\version in win32 English-language installations for Iatest 3.6+, where *version* is Master, Image Sensor, Studio, etc.).
- Rename exiftool(-k).exe to exiftool.exe.
- Make the appropriate selection in the **Exif Data Acquisition** area of **Options & Settings II**. More details [here](#).

## Purchase Iatest

You may [purchase](#) Iatest at any time from Iatest's online store. You will be entitled to updates for one year from the date of purchase. After one year you will need to [renew](#) your subscription to install new upgrades.

You can also click on **Help**, [Imatest Store](#) in the Imatest main window. Prior to 3.7 you could click on the [Purchase](#) button in the Imatest main window.

After you purchase Imatest you'll receive an e-mail confirmation of your purchase. This may take a few minutes. If you don't receive the email within about fifteen minutes, [contact us](#). A second email with activation instructions will be sent within a few hours (up to a day for Studio). You may register Imatest as soon as you receive this e-mail.

## Register imatest

The following paragraphs apply to versions 3.6 and earlier.

**For Imatest 3.7+, follow the instructions on [Activate online](#) or [Activate offline](#).**

After you've installed and purchased Imatest or [Imatest Renewal](#) you'll need to register it by clicking on the button in the Imatest main window or by clicking on Help, Register. It's a good idea to check the [Imatest download page](#) or [Change log](#) for the latest version.

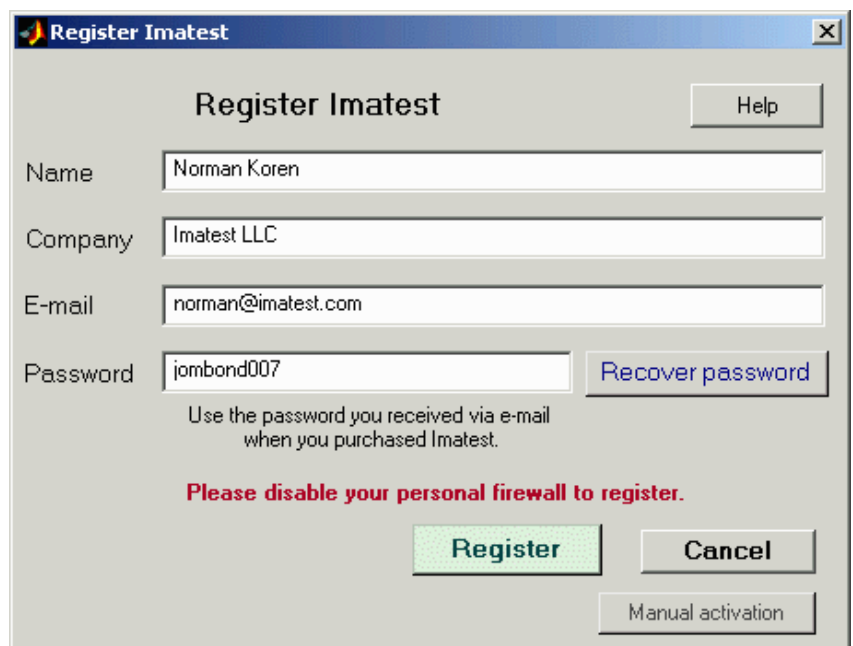
**If you have a personal firewall, be sure to disable it before you register. You may re-enable it as soon as registration is complete. If you can't disable it or you can't register following the instructions below, try [Offline registration](#).**

**You must have administrator privileges on your computer. This is rarely an issue, except on networked systems with strong security.**

Fill in the the **Register Imatest** window: Enter your name, company (if applicable), e-mail, and the password you entered when you signed up on Imatest.com, then click on . If you forgot your password, click on . This opens a [web page](#) that enables you to recover your lost password via e-mail.

### Registration window

If your computer is connected to the internet, you will receive a confirmation of your registration. The version of Imatest you purchased (Master or Studio) will be activated immediately. In rare instances where the pressing hangs up the computer, click on and follow the instructions [below](#).



The screenshot shows the 'Register Imatest' dialog box. It has a title bar with the text 'Register Imatest' and a close button. Inside the dialog, there are four text input fields: 'Name' (containing 'Norman Koren'), 'Company' (containing 'Imatest LLC'), 'E-mail' (containing 'norman@imatest.com'), and 'Password' (containing 'jombond007'). To the right of the password field is a button labeled 'Recover password'. Below the password field, there is a note: 'Use the password you received via e-mail when you purchased Imatest.' At the bottom of the dialog, there are three buttons: 'Register' (highlighted with a green border), 'Cancel', and 'Manual activation'. A red text message at the bottom reads: 'Please disable your personal firewall to register.' There is also a 'Help' button in the top right corner.

## Offline registration

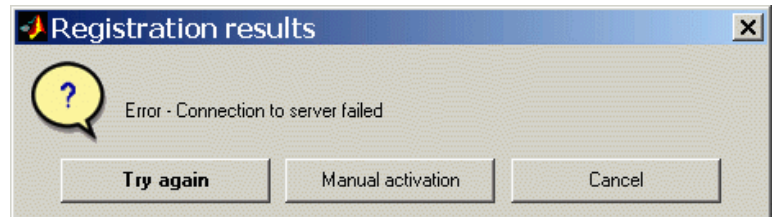
The following paragraphs apply to versions 3.6 and earlier.

**For Imatest 3.7+, follow the instructions on [Activate offline](#).**

If your computer is offline, or if you are unable to connect because of a firewall that can't be disabled, the following box appears in response to .

Click on . The box below appears with instructions for offline (manual) registration. Steps 2-4 can be performed on any computer connected to the internet.

On [www.imatest.com/activate](http://www.imatest.com/activate), fill in all the fields as shown below, then click . Don't leave any fields blank— always enter something. Your code will be e-mailed to you. Enter it into the Activation key: field, above.



Company	<input type="text" value="n/a"/>
Your Name	<input type="text" value="Ansel Stieglitz"/>
E-Mail Address	<input type="text" value="photoguru@heaven.com"/>
Activation Request	<input type="text" value="7360-DEC4-DFF1-476B"/>
<input type="button" value="Make Activation Code"/>	

*Reminder:* For offline installation, the Matlab runtime library, [Imatest-lib.exe](#) (8.5 MB), must be downloaded to the same folder as the Imatest installer file. If you have difficulties, refer to the [Troubleshooting](#) page.



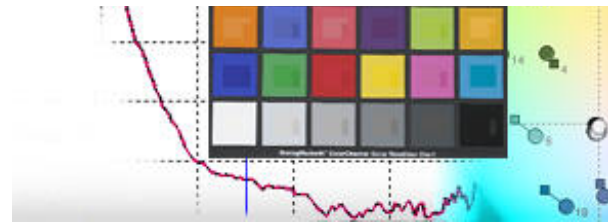
[Click here to](#)









## Take a tour of Imatest



### Files

**When the installation is complete the Imatest folder should contain the following folders and files.**

The default installation folder for Imatest is C:\Program files\Imatest\Master. (It may differ in non-English installations.).

samples (folder)	Contains several image files with sample data for testing the three Imatest modules. Includes several cropped JPEG files for testing SFR, indicated by _sfr in their names. Some others:  <div> <i>Canon_EOS10d_ColorCheck_It_small.jpg — for testing Colorcheck.</i>  <i>Canon_EOS10D_Q13_ISO400_small.jpg — for testing Stepchart.</i> </div>
images (folder)	Contains several image files used by Imatest.
bin (folder)	Contains the .fig files used in the graphic user interface (GUI), as well as Matlab library files. Includes FigureMenuBar.fig and FigureToolBar.fig: library files missing from Imatest-lib.exe.
Imatest 	(full name Imatest.lnk) The standard icon for running Imatest. Runs run_imatest.bat, which sets the path, then runs imatest.exe. Copied to Windows Start Menu and Desktop.
Imatest Diagnostics 	(full name Imatest Diagnostics.lnk) Runs Imatest in diagnostic mode. Doesn't close when Imatest terminates. This allows error messages to be viewed. Runs run_diagnostics.bat, which sets the path, then runs imatest.exe.
jhead.exe	DOS application for reading EXIF data (digital camera information).

dcraw.exe dcrawMS.exe	<a href="#">Dave Coffin's dcraw</a> RAW conversion programs. dcrawMS.exe works with Windows Vista/7.
imatest.exe	Imatest executable program.
run_imatest.bat run_diagnostics.bat	Batch files that set the Windows Path and run Imatest.exe. run_diagnostics.bat is used for diagnostic mode: extra results are displayed and the DOS window remains open if Imatest terminates with an error.
License.txt	The Imatest End User License Agreement (EULA)

## The Imatest License

The Imatest Master and Image Sensor license allows users to install the software on many computers, but to activate and use it on only one computer at a time. It can easily be deactivated on one computer and activated on another. The Imatest Studio license allows the user to install and register the software on only one computer at a time.

License holders are encouraged to publish test results in printed publications, websites, and discussion forums, provided they include links to [www.imatest.com](http://www.imatest.com). You may not use Imatest for advertising or product promotion without explicit permission from Imatest LLC. [Contact us](#) if you have questions. The [full text of the license](#) can be found [here](#).