

## License Manager

### Floating License Installation Instructions

Installation steps:

On the Windows PC that will act as License Manager (**SERVER**):

1. Install and activate the Rubo License Manager
2. Open port 2954 in the firewall(s)
3. What to distribute to the client PC's

On the **CLIENT** PC's:

1. Install the DICOM Viewer with batch file

Other chapters:

- a. Setup the LM server IP address manually
- b. License Manager instructions
- c. Setup LM as a Windows service
- d. Uninstall the LM

*See the next pages..*

*The latest versions of the License Manager and this manual can be downloaded from our website: [www.rubomedical.com/licensemanager](http://www.rubomedical.com/licensemanager). These instructions apply only to RUBO floating licenses, for HASP (USB key) floating licenses, see HASP Network License Installation manual.*

## Install and activate the Rubo License Manager

You must have administrator privileges to install the Rubo License Manager (LM).

*CD installation:* If the installation does not start automatically after inserting the CD, start 'setup\LMsetup.exe' on the CD. Click through all the setup screens and when finished, the LM will be launched.

*Manual installation:* start 'LMsetup.exe' and launch the License Manager.

If the LM does not find a license file, it will start license activation. Enter the key you are provided with to create an activation file. This activation file holds the IDs of your PC/server needed to create a license file. Send this activation file to Rubo Medical Imaging BV ([rubo@rubomedical.com](mailto:rubo@rubomedical.com)), we need it to create your license file.

A license file will be created and returned to you via email. Unfortunately this process is not automated yet, please give us some time to receive the email, process your activation file and send you the license file.

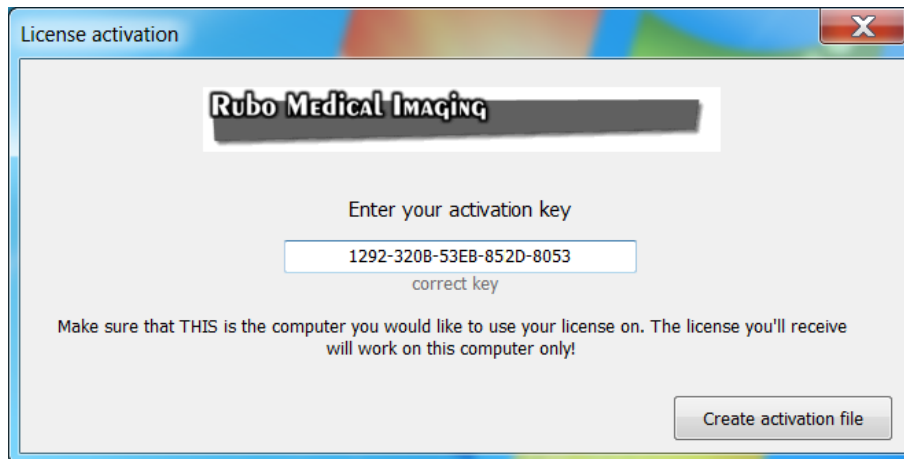
Follow the instructions in the email: you need to copy the license file 'license.lic' into the installation folder of the LM.

The license file is linked to the PC/server you installed and activated the LM on, the software will now only work on this machine.

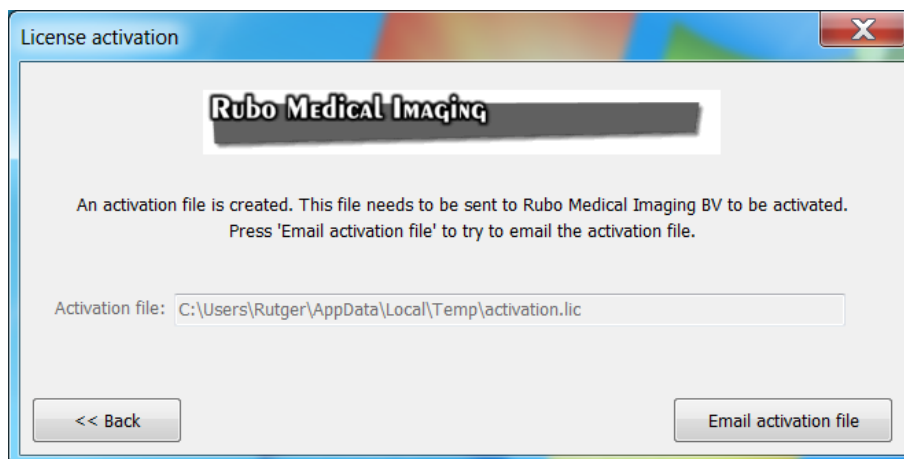
The LM can be run as a service, see 'Setup LM as a Windows service'.

See below and the next pages for the activation images.

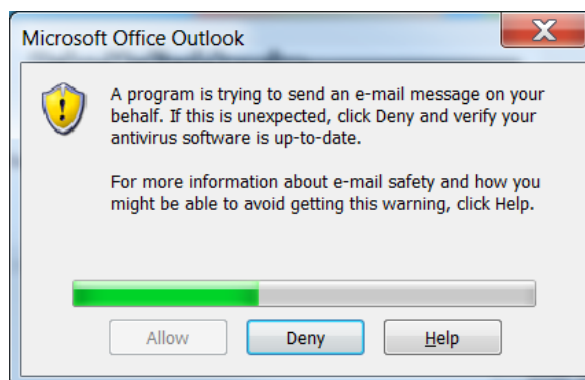
## Activation and email creation



*Enter your activation key and press 'Create activation file'.*

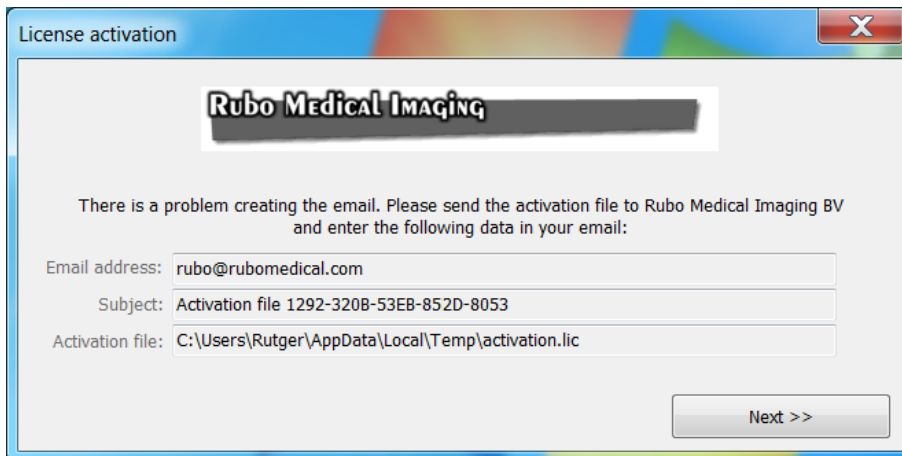


*The location of the activation file. Press 'Email activation file' to send it.*



*Emailing via Outlook, this will look different with another email client. Press 'Allow' to put an email in your outbox. Open your email client to make sure the email is sent!*

## Problems email creation



License activation

**Rubo Medical Imaging**

There is a problem creating the email. Please send the activation file to Rubo Medical Imaging BV and enter the following data in your email:

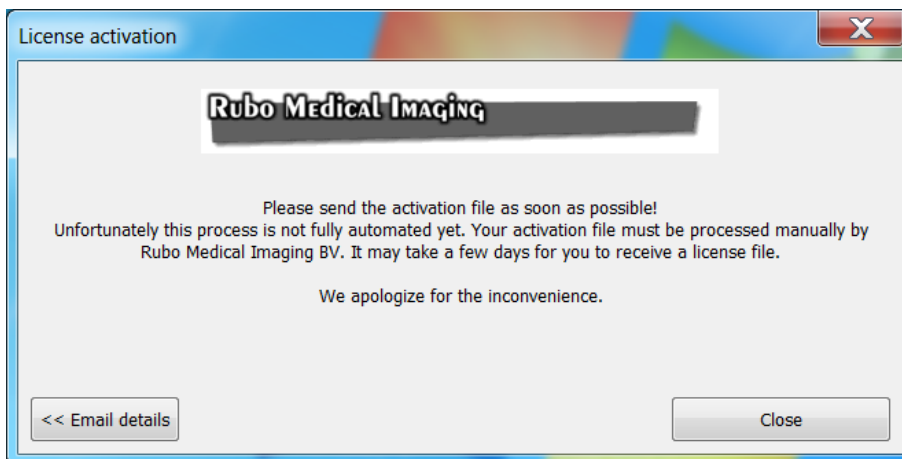
Email address:

Subject:

Activation file:

Next >>

*The email cannot be created. You have to email the activation file yourself. See the email address, subject and the file location of the activation file.*



License activation

**Rubo Medical Imaging**

Please send the activation file as soon as possible!  
Unfortunately this process is not fully automated yet. Your activation file must be processed manually by Rubo Medical Imaging BV. It may take a few days for you to receive a license file.  
We apologize for the inconvenience.

<< Email details

Close

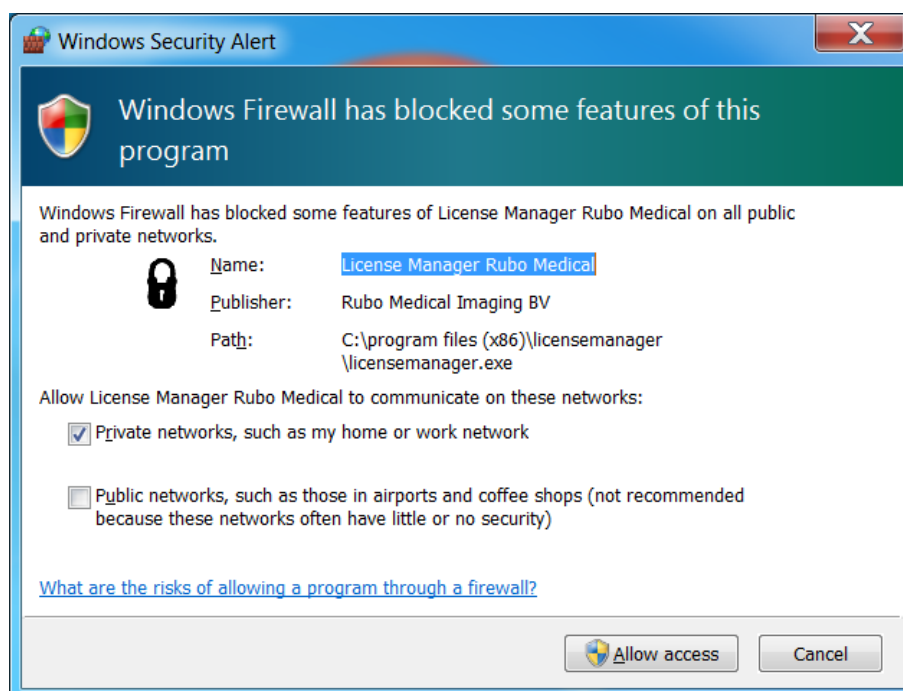
*End screen. Press 'Email details' to have a look at what to email where.*

## Open port 2954 in the firewall(s)

The LM uses port **2954** to communicate. Make sure this port is open and that the applications are granted access to the network.

The LM will **NOT** create in- or outbound rules for your Windows Firewall during installation, you will have to do this manually.

**It is very important that all applications are granted access to the network. Firewall software should ask your permission to allow the software to access the network. Do allow access!**



*Windows firewall alert. Different firewalls have different warning. Allow access!*

When the LM is started as a Windows service, it will create a Windows Firewall entry by itself.



## What to distribute to the client PC's

*Scenario 1: each client installs the DICOM Viewer on their own PC.*

Distribute the file 'DicomViewerSetup.exe' to each client. You can find it on the DICOM Viewer CD in folder 'Setup' or it can be downloaded via our website:

[www.rubomedical.com/dicomviewer64](http://www.rubomedical.com/dicomviewer64)

Do not forget to specify the LM IP address! See '**Install the DICOM Viewer**'.

*Scenario 2: each client has access to the DICOM Viewer installed on a remote computer.*

Install the DICOM Viewer on a PC/server accessible to all clients. Do this as described in '**Install the DICOM Viewer**', do not forget to pass the LM IP address at installation.

## Install the DICOM Viewer

The installation of the DICOM Viewer is fully automated. The user only has to click through the setup screens. Administrator privileges are needed.

It is of **vital importance** to pass the IP address of the LM server/PC to the client installation process. At every startup of the DICOM Viewer, the viewer tries to access the LM server/PC and gain startup permission. The IP address of the LM server/PC has to be known to the DICOM Viewer.

For each client, start the DICOM Viewer installation by passing the IP address to 'DicomViewerSetup.exe' via the command line parameter '-LM' as follows:

```
D:\>DicomViewerSetup.exe -LM192.168.2.101
```

*Example IP address 192.168.2.101*

To set up or change the IP address of the LM server *after* installation, see 'Setup a different server IP address, CLIENT'.

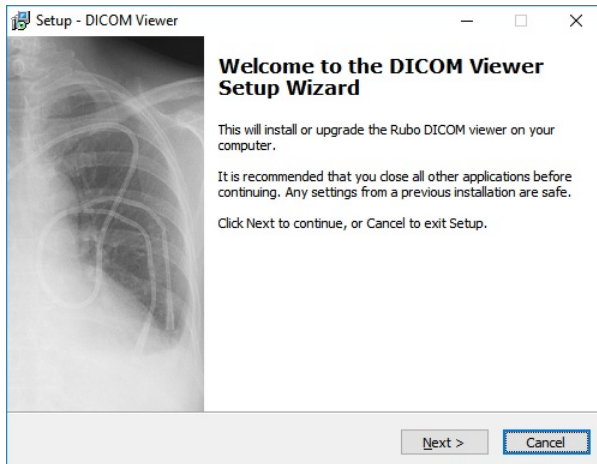
### Silent installation

Install silently by entering the following:

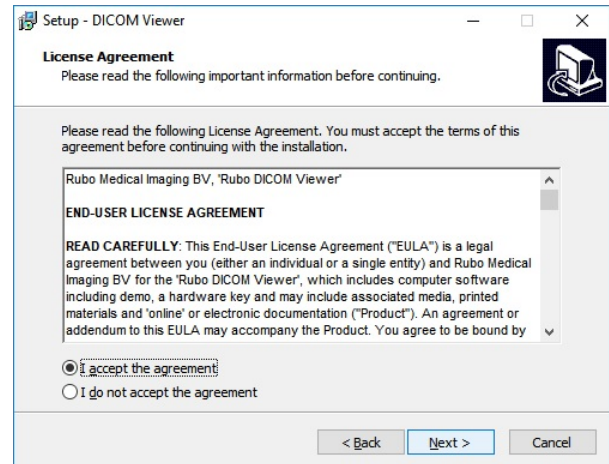
*"DicomViewerSetup.exe /verysilent -LM192.168.2.101"*

The installation file of the DICOM Viewer can be downloaded from our website. Go to [www.rubomedical.com/dicomviewer64](http://www.rubomedical.com/dicomviewer64) to download.

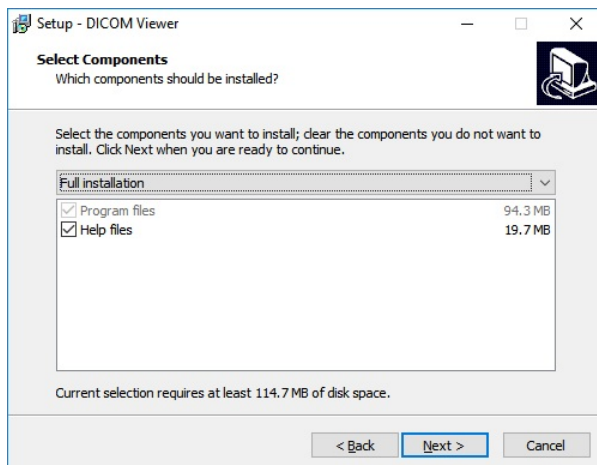
## DICOM Viewer installation images, Setup



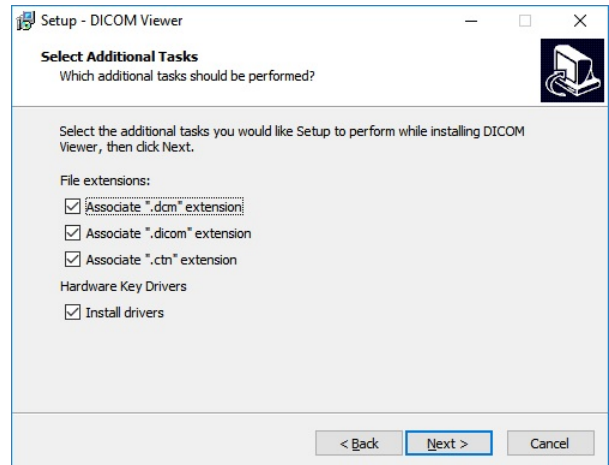
1. Installation start



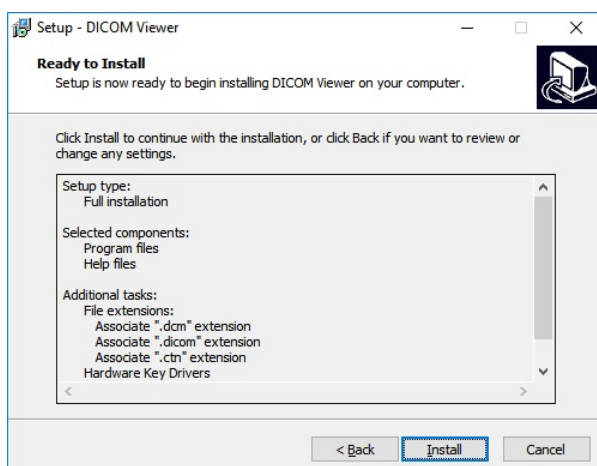
2. Read and accept the license agreement



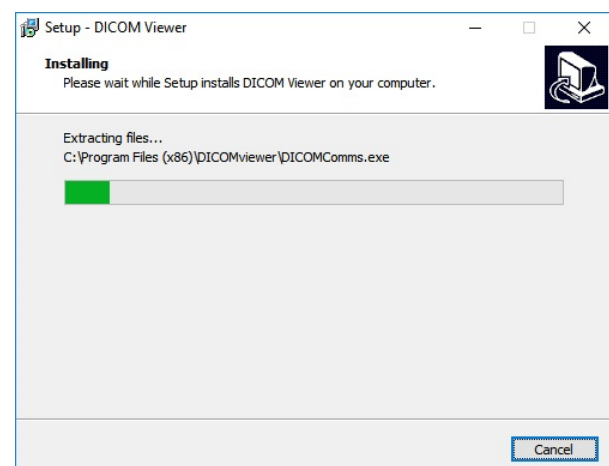
3. Choose to install offline help files



4. Choose to install hardware key drivers

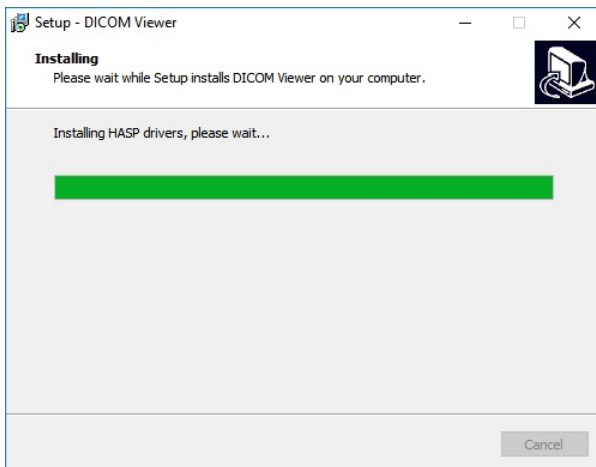


5. Press 'Install'

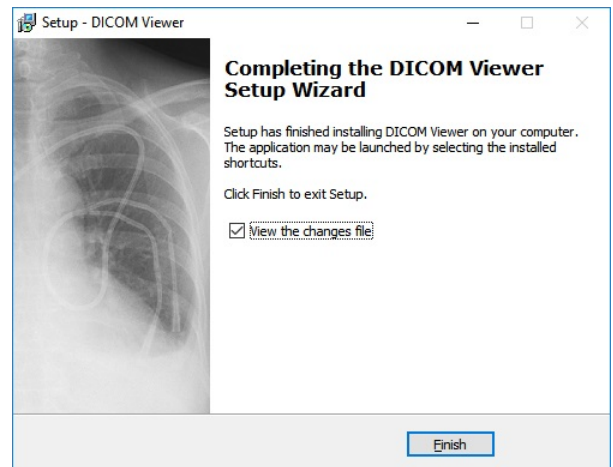


6. Wait for all files to be installed

## DICOM Viewer installation images, Setup



7.Wait for installation of hardware key drivers

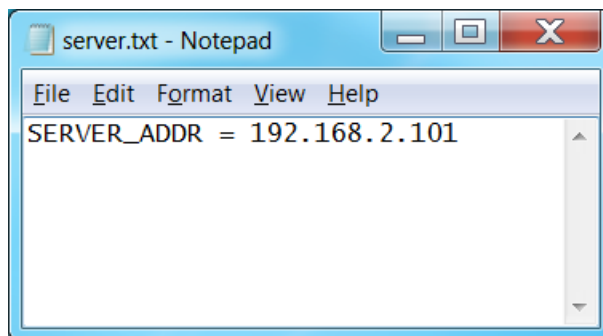


8.Press 'Finish' to complete the Installation

## Setup the LM server IP address manually

When the IP address of the LM server/PC has changed, all clients PCs with the DICOM Viewer installed have to be notified. In the installation folder of the DICOM Viewer (by default 'C:\Program Files (x86)\DICOMViewer'), the file 'server.txt' holds the IP address of the License Manager. Simply change this IP address and distribute the new 'server.txt' file to all clients.

See the image below, what the file 'server.txt' should look like:



The new IP address can also be set by reinstalling or upgrading the DICOM viewer as described in 'Install the DICOM Viewer'. Pass the new IP address as described.

## Setup LM as a Windows service

Before you setup the LM to start as a Windows service, complete 'Install and activate the Rubo License Manager' first. Activation is not possible when the LM is started as a service.

Perform the following steps:

1. Quit the LM. If the LM is visible, right-click to show the popup-menu and choose 'Quit'. If it's not visible, it resides in your system tray. Right-click the LM icon and choose 'Quit'.
2. Go to the install folder of the LM (default: C:\Program Files (x86)\LicenseManager). Open subfolder 'LMservice' and run 'install.bat'. You need administrator rights to install the service and will receive a message that the service is installed.
3. Remove the LM from your startup folder. This is to prevent an error message when the LM is started again after user logon.
4. Reboot your PC or start the service manually. Run 'services.msc', right click 'License Manager Start Service' and choose 'Start'. The service will start the LM and stops automatically.

When the LM runs as a service, unfortunately there is no way to display the logged on users list. Also, no tray icon will be visible. This will be fixed in future releases of the LM.

## Uninstall the LM

If the LM is run as a service, perform the following additional steps to uninstall:

1. Open the Windows Task Manager. Type 'taskmgr.exe'.
2. Go to the tab 'Processes' and if you are not the administrator, click on 'Show processes from all users'.
3. Right-click 'LicenseManager.exe' and choose 'End Process'.
4. Go to the install folder of the LM (default: C:\Program Files (x86)\LicenseManager). Open subfolder 'LMservice' and run 'UNinstall.bat'.  
You need administrator rights to uninstall the service and will receive a message that the service is uninstalled.

Now you can uninstall the LM the usual way:

Windows 7 and up / Server 2008 and up: Control Panel / Programs and Features / License Manager / Uninstall

Windows XP / Server 2003 and lower: Control Panel / Add or Remove Programs / License Manager / Remove