

# Software Installation Guide

## **OPEN. INTELLIGENT.** Laser scanning software solutions









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#### 1. Downloading the LFM Server Installer

To download the installer for LFM Server please visit <u>http://web.lfm-software.com/en/About-LFM/Product%20Downloads.aspx</u>.

<b>LFM Server</b> LFM Server 4.4.0.18 LFM Server 4.3.0.32	Release Notes Release Notes	Here you will see a list of available LFM installers. Select the version of LFM Server you wish to install by clicking on it. This will start to download the relevant installer.
LFM Modeller		start to download the relevant installer.
LFM Modeller 3.97.0.7	Release Notes	Once the installer has finished
LFM NetView 4 Series		downloading, run the installer by double
LFM NetView Hosting Suite 4.1.2.0	Release Notes	clicking on it.
LFM ViewerLite		
LFM ViewerLite 3.96.0.19	Release Notes	

www.lfm-software.com











#### 2. Installing LFM Server



Double clicking on the installer file will bring up the LFM Server Installer Wizard as shown left. Click *Next* to continue.

etup - LFM	
License Agreement Please read the following important information before continuing.	
Please read the following License Agreement. You must accept the terms agreement before continuing with the installation.	s of this
MPORTANT NOTICE: PLEASE READ THIS END USER LICENCE AGREEME CAREFULLY BEFORE INSTALLING THE SOFTWARE	NT
This licence agreement ("Licence") is a legal agreement between you ("C or "you") and LFM Software Limited or based on where you live, one of affiliates ("LFM" or "we") for this software product ("Software"), which is the Documentation (as defined in dause 2 below).	our
BY DOWNLOADING, INSTALLING AND/OR USING THE SOFTWARE OR CI ACCEPT" WHEN PROMPTED, YOU ACCEPT ALL OF THE TERMS AND CON OF THIS LICENCE. IF YOU ARE ACCEPTING THIS LICENCE ON BEHALF (	DITIONS
I accept the agreement	
◎ I do not accept the agreement	
< Back Next >	Cancel

Next you will be presented with the LFM License Agreement. Read and understand the agreement. If you accept the agreement select *"I accept the agreement"* and click *Next* to continue.

🛟 Setup - LFM	
Select Destination Location Where should LFM be installed?	
Setup will install LFM into the following folder.	
To continue, dick Next. If you would like to select a different folder, di	ck Browse.
C:\Program Files\LFM Software\LFM	Browse
At least 1.4 MB of fine did eases is not itsed	
At least 1.4 MB of free disk space is required.	
< Back Next >	Cancel

Specify the location you wish to install LFM Server to and click *Next*.

Note that multiple versions of LFM Server can be installed on a machine at the same time. However, they must be installed in different folders e.g.:

C:\Program Files\LFM Software\LFM 4.4.0.18 and C:\Program Files\LFM Software\LFM 4.4.1.0





:	Setup	X
	?	Previous Install detected in directory specified. Uninstall using C:\Program Files\LFM Software\LFM\unins000.exe and Continue?
		Yes No

If an existing installation of LFM Server is found in the specified install location, the message shown left will appear.

To uninstall the existing version of LFM Server and replace it with the one you are installing, click Yes.

If you wish to install alongside your existing version click *No* and you will be returned to the previous screen to select a different install location.

🞲 Setup - LFM	
LFM Mode Setup Mode selection	
Please select the components required	
	< Back Next > Cancel

Specify the modes you wish to install:

**Gateway Mode:** Used for scan conversion, registration and LFM Server dataset (.lfd) generation. Typically used by Service Providers.

**Server Mode:** Used for displaying LFM Server datasets, managing/interrogating data and connecting to many popular CAD packages. Typically used by Engineering Users.

If you already have a valid license for LFM products, there is no need to tick the *Licensing* box.

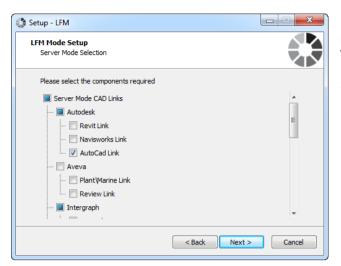
If you do not already have a valid license for LFM products, please ensure the *Licensing* box is ticked.

Setup	×
2	You have chosen not to installer the Sentinel Licence Server. This is required if your computer is connected to a network which does not have a licence server hosted on it, or if it does not already have a standalone licence server installed. Do you wish to continue?
	Yes No

If you have not ticked the *Licensing* box, the message shown left will appear. Select Yes to continue if you already have a valid LFM license server available.







If you have selected *Server - options* on the previous screen you will be asked to select which LFM Server CAD links you wish to install. Select the relevant options and click *Next*.

🛟 Setup - LFM	
LFM Mode Setup Gateway Mode - LFM Import File Format Selection options	
Please select the File Formats you require	
🔽 Leica (PTX)	*
V Leica (PTZ)	
🔽 Leica P20 (PRJ)	
ZF (ZFS)	E
Faro (FLS)	-
V ASTM (E57)	
✓ Riegl Scan (3DD)	
Riegl VLine (RXP)	
Unstructured Data (PTS)	+
< Back Next >	Cancel

If you have so	elected to	install	Gateway –
options, select	the files typ	oes you	wish to use
and click Next.			

🛟 Setup - LFM	
LFM License Setup License Selection	
Please select the License components required	
License Monitor Utility	
< Bi	ack Next > Cancel

If you have chosen to install the LFM Licensing files the screen shown left will appear. Here you can choose to install the License Monitor Utility which can help large organisations to monitor usage of LFM licenses.

If you wish to install this utility please tick the box. If you do not wish to install this utility please leave the box unticked.

Click Next.



🕽 Setup - LFM		<b>— — X</b>
Select Start Menu Fo Where should Setup ;	<b>ler</b> ace the program's shortcuts?	
Setup will cro	ate the program's shortcuts in the follow	ing Start Menu folder.
To continue, dick Nex	. If you would like to select a different fo	older, click Browse.
LFM		Browse
	< Back	Next > Cancel

Select the folder you wish the LFM Server shortcut to be created under in the Windows Start menu and click *Next*.

🛟 Setup - LFM 📃	• X
Select Additional Tasks Which additional tasks should be performed?	
Select the additional tasks you would like Setup to perform while installing LFM, click Next.	then
Additional icons:	
✓ Create a desktop icon	
Create Normal Icon	
<ul> <li>Create Version Icon</li> </ul>	
Create Advanced Mode Icon	
< Back Next >	Cancel

Select the type of desktop shortcut you wish to create for LFM Server. Normal/versions icons can be used on projects to control access to important functions:

Normal Icon - e.g. LFM

Version Icon - e.g. LFM 4.4.0.0

Advanced Mode Icon – This will allow access to Project Administrator functions such as:

- LFM Server dataset generation
- HyperBubble creation
- LFM NetView project creation
- Adding benchmarks
- Prepare for PDMS
- Signing a repositioned LFM Server dataset

🛟 Setup - LFM	
Ready to Install Setup is now ready to begin installing LFM on your computer.	
Click Install to continue with the installation, or click Back if you want to revie change any settings.	ew or
Destination location: C:\Program Files\LFM Software\LFM Start Menu folder: LFM Additional tasks: Additional icons: Create a desktop icon Create Advanced Mode Icon	*
*	4
< Back Install	Cancel

Review the summary window as shown left. Once you are happy with the settings click *Install* to install LFM Server.





At this point if you have selected to install support for FARO .fls/.fws files the FARO SDK installer will run. Follow the prompts on the installation wizards to install.

After this, if any of the following LFM Server Mode CAD links have been selected, their installers will start to run automatically:

- AVEVA Plant/Marine
- AVEVA Review
- Intergraph SmartPlant 3D
- Autodesk Revit
- Autodesk Navisworks

Please see <u>Section 3</u> for information about CAD link installers.

🛟 Setup - LFM	
www.lfm-software.com	Completing the LFM Setup Wizard
	Setup has finished installing LFM on your computer. The application may be launched by selecting the installed shortcuts.
	Click Finish to exit Setup.
LFM	Install Dongle Drivers
	Finish

Once the installation is complete the window shown left will appear. Click *Finish* to exit the LFM Server installer wizard.

If you selected to install the LFM license files, the *Install Dongle Drivers* option (highlighted left) will be visible.

If you intend to use LFM Server with a dongle license, please select the *Install Dongle Drivers* option. If this is selected, upon clicking *Finish* the dongle driver installer will run. Follow the prompts to install the dongle drivers.

Otherwise, leave this box unticked and click *Finish*.

Please see the <u>LFM Server 4.4.1 License Request & Installation Guide</u> for instructions on how to request and install an LFM license.











#### 3. CAD Link Installers

If the Autodesk AutoCAD; Bentley MicroStation; Intergraph PDS or Intergraph SmartPlant Review CAD links are chosen to be installed, the LFM Server installer will automatically place the required files in the appropriate locations and no further user action is required.

If any of the CAD links below are chosen to be installed, a separate installer for each CAD link will automatically be run after the LFM Server installer is complete:

- AVEVA Plant/Marine
- AVEVA Review
- Intergraph SmartPlant 3D
- Autodesk Revit
- Autodesk Navisworks

Follow the prompts on each CAD link installer to install the selected CAD links.

Setup - LFM Server Link To Aveva Plant and Marine		
Select Destination Location Where should LFM Server Link To Aveva Plant and Marine be installed?		
Setup will install LFM Server Link To Aveva Plant and Marine into the following folder.		
To continue, click Next. If you would like to select a different folder, click Browse.		
C:\Aveva Browse		
At least 1.3 MB of free disk space is required.		
< Back Next > Cancel		

For the AVEVA Plant/Marine and AVEVA Review CAD link installers, the default path for the CAD link installation will be C:\Aveva or C:\AVEVAReview respectively. <u>It is extremely important to change this</u> to the location where AVEVA Plant/Marine or AVEVA <u>Review is installed</u>, otherwise the links will not function e.g. C:\AVEVA\Plant\PDMS12.1.SP4.



For all of the CAD links in the list above, you will be asked to specify the version of the CAD package you wish to install the CAD link for. Please ensure this is accurate in order for the CAD link to function.











#### 4. Silent Installation

Note: User Account Control must be set to "Never Notify"

Open the command window by going to the Windows Start menu and typing *cmd* in the search box. Right click on the cmd.exe and select *Run as administrator* as shown below.

	Programs (2)
	Documents (431) libmain.a exports.c libmod_cgi.a
	See more results     cmd
Programs (2) —	
CmDust	Open Enable/Disable Digital Signature Icons
Documents ( 😽	Run as administrator
libmain.a	7-Zip

Once the command window is visible, navigate to the folder where the LFM Server installer is saved by using the cd (change directory) command. For example:

cd C:\Users\username\Downloads

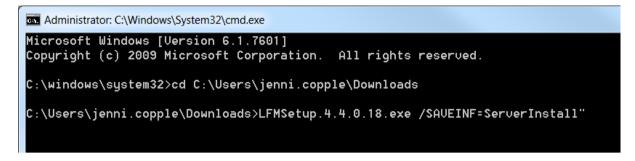
Administrator: C:\Windows\System32\cmd.exe
Microsoft Windows [Version 6.1.7601] Copyright (c) 2009 Microsoft Corporation. All rights reserved.
C:\windows\system32>cd C:\Users\jenni.copple\Downloads
C:\Users\jenni.copple\Downloads>_







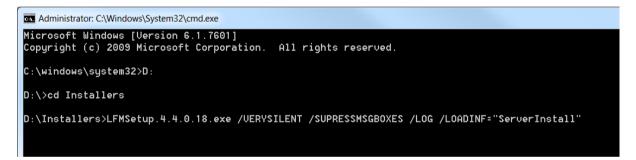
Type in the name of the installer with /SAVEINF=ServerInstall" at the end. This is demonstrated in the screenshot below:



Proceed with the LFM Server installer choosing the options that you wish to roll out.

Once the installer is complete, roll out with /VERYSILENT /SUPRESSMSGBOXES /LOG /LOADINF="ServerInstall" as demonstrated below.

Note: The command window must be loaded with Administrator permissions as described at the start of this section.



After a few moments the installation will be complete.

The necessary installers can then be rolled out via a batch file, an example of which is shown below:

@ECHO ON cd "C:\Program files\LFM Software" c: start /wait LFM421Setup.exe /verysilent /suppressmsgboxes /log /loadinf="serverinstall"



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#### 5. Troubleshooting

For LFM support queries please contact <a href="mailto:support@lfm-software.com">support@lfm-software.com</a>.

For LFM licensing queries please contact <u>license.request@lfm-software.com</u>.





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