



Title

LMKR Volume Attributes™ 2014.2 Installation Guide

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Introduction

Welcome to the 2014.2 release of the LMKR Volume Attributes[™] software. LMKR Volume Attributes is standalone software which operates on seismic files to extract attribute volumes. The LMKR Volume Attributes software is available through LMKR or, on request, on a DVD.

The Welcome Guide document included with the download from LMKR or on your DVD contains information on LMKR Volume Attributes 2014.2 release.

If you have any questions or issues with installation, please contact Technical Support.

What is Volume Attributes Setup?

LMKR Volume Attributes utilizes Microsoft Windows[®] Installer technology for installing the LMKR Volume Attributes application. The Windows[®] Installer is a service that runs on your operating system and enables the operating system to manage the installation and uses the information contained within the package file to install the software. Windows[®] Installer technology provides powerful features for installation and component configuration, network installations (distribution/deployment) and software removal/uninstall.

Important Notes:

- LMKR Volume Attributes 2014.2 is compatible with GeoGraphix 2015.0.
- The LMKR Volume Attributes 2014.2 release requires the latest License Management Tool (LMT). There are mandatory LMT upgrades so that users can configure licensing for this release. This upgrade can occur before or after installation of the Volume Attributes software. See the 'LMKR Licensing' section for more information.

This document provides important information regarding system requirements, main application features, and known issues.

LMKR Volume Attributes is standalone software, compatible with SeisVision[™], which operates on seismic files to extract attribute volumes. LMKR Volume Attributes gives you the capability of generating the following attributes:

- Time-Based Attributes
- Spectral Decomposition using CAPS (Continuous Time Amplitude Phase Spectra)
- Frequency-Based Attributes
- Expression-Based Attributes



System Requirements

LMKR Volume Attributes is available for Windows[®] 7 64-bit. Before you run the LMKR Volume Attributes installer on your system, please ensure the following requirements are met. These system requirements are provided as general guidelines. In case of any issue, contact your technical sales representative or technical support.

Processor	Pentium 4 class or better
	Intel [®] Core™ i3 or better
Operating System	Windows [®] 7 Professional x64
	Windows [®] 7 Enterprise x64
	Windows [®] 7 Ultimate x64
RAM	2 GB Minimum
	8 GB Recommended
Internet Explorer	You must obtain and install the appropriate language version of Internet Explorer 6.0 or
	higher prior to installing LMKR Volume Attributes.



Current service pack versions are listed. We recommend using the latest Microsoft service packs and security patches.

Before you start the installation process, we recommend that you follow these guidelines:

- 1. Obtain an appropriate license file (if required).
- 2. Install the LMKR License Management Tool (LMT) on the required machines to set up/configure license.



Installing LMKR Volume Attributes

To install LMKR Volume Attributes, you must have administrative rights to the local computer that will run the installer. The installation includes the following steps:

- 1. Getting Started with LMKR Volume Attributes 2014.2 Release
- 2. Installing Microsoft .NET Framework 4.5.1

Installing Volume Attributes

1. Getting Started with LMKR Download or Release DVD

Before starting installation, make sure that all open applications are closed.

- If you have downloaded LMKR Volume Attributes from LMKR, go to the Download folder and double-click on the application's (exe) file to begin.
- If you have ordered the LMKR Volume Attributes DVD, insert the LMKR Volume Attributes 2014.2 DVD-ROM into the DVD-Drive and click Install LMKR Volume Attributes when prompted.

2. Installing Microsoft .NET Framework 4.5.1

LMKR Volume Attributes 2014.2 must **have Microsoft's .NET 4.5.1 version** installed first, or the following message box appears.

C LMKR Volume Attributes Setup	
Volume Attributes Prerequisites	
Click the "Accept and Install" button to accept the Microsoft .NET terms.	Framework <u>license</u>
Sccept and Ins	tall <u>D</u> ecline



Click Accept and Install to install Microsoft .NET 4.5.1.

🚱 User Account Contro	
Do you war changes to	t to allow the following program to make his computer?
Progr Verifi File o	m name: LMKR Volume Attributes Installation Package d publisher: LMK Resources Inc. igin: Hard drive on this computer
Show <u>d</u> etails	<u>Y</u> es <u>No</u> <u>Change when these notifications appear</u>

Click Yes. The Microsoft .NET Framework 4.5.1 installation initiates and the screen displays the progress.

MKR Volume Attributes Setup	
Volume Attributes Prerequisites	
Setup Progress Processing: Microsoft .NET Framework 4.5.1	
	<u>C</u> ancel



3. Volume Attributes Setup

Once the Microsoft .NET Framework has been is installed, the **Volume Attributes** installer starts, and the **License Agreement** screen displays.

KR	Volume Attributes 2014.2	
License Agr	eement:	
	END USER LICENSE AGREEMENT	^
PLEASE READ USING THE S AGREEMENT ASSIGNS (CO ("SOFTWARE OTHERWISE BOUND BY T	THIS END-USER LICENSE AGREEMENT ("EULA") CAREFULLY BEFORE DFTWARE. THE FOLLOWING TERMS CONSTITUTE A BINDING LEGAL BETWEEN YOU AND LMKR HOLDINGS, ITS SUBSIDIARIES, AFFILIATES AND LLECTIVELY "LMKR") CONCERNING SPECIFIED SOFTWARE PRODUCT(S) PRODUCT" OR "SOFTWARE"). BY ACCESSING, INSTALLING, COPYING OR JSING ALL OR ANY PORTION OF THE SOFTWARE, YOU AGREE TO BE HE TERMS OF THIS EULA.	v

Review the license agreement carefully and click **Install** to copy files and begin installing the software.

Volume Attributes 2014.2
Please wait while setup is installing Volume Attributes on your machine
Processing: Volume Attributes
Install Cancel

If you want to change the location of Volume Attributes installation, click — to specify a new path.



Once Volume Attributes is installed on your machine, the following screen appears.

	Volume A	Attributes	2014.2	
Installation	n of Volume Attribu	tes has finished	successfully.	
		Exit		

Click **Exit** to complete the install. The LMKR Volume Attributes software can now be accessed through Desktop shortcut or Start Menu Program.



When the LMKR Volume Attributes application is started through Desktop shortcuts or Start Menu Programs, a licensing check is performed on the workstation. Please refer to the LMKR Licensing for further details.



LMKR Licensing

If no license file is configured for LMKR Volume Attributes, the following message appears.



Licensing for all the LMKR products is configured using this tool. Use this tool to set a license for a single computer or to set up a network license on a server.

Select Start >> All Programs >> LMKR >> Licensing >> License Management Tool to launch the LMKR License Management Tool.

²⁰ LMKR License Management Tool		- • ×
Welcome		
I want to configure client licensing for this computer		
I want to setup or manage a network license server on this computer		
km.	About	Close

- You can configure a <u>license on client side</u> for a computer by clicking I want to configure client licensing for this computer on the Welcome page.
- You can configure a <u>network license server</u> by clicking I want to setup or manage a network license server on this computer on the Welcome page.



Client License

Configure a license on the client side by clicking I want to configure client licensing for this computer on the Welcome page of the LMKR License Management Tool.

LMKR License Management To	ol.	
		_
		(
		Move Up
	Ibland Eila Add Samar Ramoun View	Move Down
LM	vpicad rite Add server	
K R	Back	Done

Client side license can be configured in the following ways:

- Click Upload file to select a standalone client license file, or
- Click Add Server to refer to a running license server.

Use the buttons at the bottom and right hand side of the window to add servers to the list, remove servers from the list, or move the servers up or down the list. The LMKR License Management Tool will look for license files on each server in order, from top to bottom.

LMKR License Management Tool Client Licenses	
C\ProgramData\LMKR\Licensing\Client79.lic 27000@10.11.22.32	
	Move Up
Upload File Add Server Remove View	
LM KR	ick Next

Click **Next** to view the validation of the license.



When license has been configured properly, the **License Validation** page will confirm that the license **Passed** (as shown in the image below). If the license is not valid or if the network connection is not functioning properly, the validation page will list the license as **Failed**.

LMKR License Management To		- • ×
License Validation		
Client79.lic - Pass 27000@1011.22.32 - Pass	'C:\ProgramData\LMKR.Licensing\Client79.lic' has passed the validation.	
FW.	Back	Done



Network License

Configure a network license server by clicking I want to setup or manage a network license server on this computer on the **Welcome** page.

The Update Service page appears showing the location of the license server. This page lists the location of where a license server is installed on the local computer.

date Service			
Service Name	LMKR License Service	Remove	
Port Number	0 V Auto		
License File	C:\ProgramData\LMKR\Licensing\Serve:lic	Upload	View
Log File	C:\ProgramData\LMKR\Licensing\LMKR License Service.log	Browse	
Lmkr.exe	C:\Program Files\LMKR\Licensing\LMKf.exe		
Lmgrd.exe	C:\Program Files\LMKR\Licensing\Imgrd.exe		

Click **Next** to access the **LMKR License Service** page where you can Start, Stop, Restart, Validate or View the license service log. The image below shows a License server in the 'Started' state.

anagement Tool				
MKR License Service				
Stop	Restart	The service started.		
View Log	Validate			
			Back	Done
	MKR License Service Stop View Log	MKR License Service Stop Restart View Log Validate	MKR License Service Stop Restart The service started. View Log Validate Image: Comparison of the service started.	MKR License Service Stop Restart View Log Validate Back



Uninstalling LMKR Volume Attributes

- 1. Getting Started with Programs and Features in Control Panel
 - a) To uninstall/remove the LMKR Volume Attributes software, open the Programs and Features applet using Start >> Control Panel >> Programs and Features.
 - b) In the **Programs and Features** window, select **Volume Attributes**. Right-click and select **Uninstall** to remove **LMKR Volume Attributes**.

Control Panel Home View installed updates Turr Windows features on or off Install a program from the network	Uninstall or change a program To uninstall a program, select it from the list and then click Uninstall, C	hange, or Repair.
	Organize - Uninstal Change	jii • 🔞
	Name	Publisher
	Forefront TMG Client Google Chrome Help & Manual 7 Help & Manual 7 Help & Manual 7 Help & Motes 9.0 (Basic) Intel(R) Network Connections Drivers fintel(R) Update Manager Intel® Management Engine Components Intel® USB 3.0 eXtenible Host Controller Driver Java & Update 60 July LMKR License Management Tool	Micresoft Corporation Google Inc. EC Software IBM Intel Intel Corporation Intel Corporation Intel Corporation Oracle Corporation LMKR
	MKR Volume Attributes MATLAB Compiler Runtime 8.2 Microsoft .NET Framswork 4.5.1 Microsoft Lync 2010 Microsoft Lync 2013	LMK Resources Inc. The MathWorks, Inc. Microsoft Corporation Microsoft Corporation Microsoft Corporation



2. Removing LMKR Volume Attributes Software

After selecting LMKR Volume Attributes and clicking Uninstall in the Programs and Features window, the following screen appears.

KR v	olume A	Attributes 2	2014.2	
Please choose installation of	e Uninstall to n Volume Attribu	emove, or Repair to tes, Cancel to exit	o repair/reinstall (the installation.	existing
Uninstall	Repair	Cancel		

Click **Uninstall**. A progress bar appears and LMKR Volume Attributes is removed from the computer. This is the last step in uninstalling/removing LMKR Volume Attributes software from your computer.





When Volume Attributes is uninstalled from your machine, the following screen appears.



Click Exit to complete the uninstallation process.



Contacting Technical Support

If you have questions or issues that cannot be answered by the LMKR Help Systems, you can contact LMKR Customer Support via web: <u>support.LMKR.com</u>, email: <u>support@lmkr.com</u> or telephone at our various worldwide office locations:

The Americas	Europe, Middle East & Africa
8am-6pm CST [Monday – Friday] *Excluding bank holidays Toll Free (US/Canada): +1 855 GGX LMKR Colombia: + 57 1381 4908 United States: +1 303 295 0020 Canada: +1 587 233 4004	UAE (Dubai GMT+4): 8am - 5pm [Sunday – Thursday] *Excluding bank holidays + 971 4 3727 999 UK: 8am - 5pm [Monday - Friday]*Excluding bank holidays + 44 20 3608 8042 Egypt: [Sunday – Thursday]*Excluding bank holidays + 0800 000 0635
Asia Pacific & Australian Continent	Southwest Asian countries
Malaysia (Kuala Lumpur GMT+8): 9am - 6pm [Monday – Friday] *Excluding bank holidays +60 32 300 8777	Pakistan (Islamabad GMT+5): 9am - 6pm [Monday – Friday] *Excluding bank holidays + 92 51 209 7400
E-mail	Website
Issues, Questions or comments support@lmkr.com	General Information on products and services <u>www.lmkr.com</u> Support Site including latest updates and technical bulletins <u>Support.lmkr.com</u>

Helpful Internet Links

Name	Website Address
LMKR home page	http://www.lmkr.com
LMKR Support Portal	http://support.lmkr.com