

VIVID FlexLM Licensing

REVISION HISTORY

Date	Description	Author	Revision Letter
12/5/02	Original	Mike Zavos	A

Abstract

This document details the steps necessary to set up FlexLM licensing for the Vektrex VIVID suite of products.

Types of Licenses

Vektrex FlexLM licensing supports both **floating licenses** and **node-locked licenses**.

Floating licenses allow anyone on a network to the VIVID applications up to the limit specified in the license file.

Node-locked licenses allow only a specific machine to use the VIVID application. If all users are connected to the network at all times, floating licenses should be used.

If you use the software on a machine that is not connected to the network at all times (e.g., a notebook computer), then a **node-locked license** should be used.

If you have multiple licenses, it is possible to combine floating and node-locked licenses.

Licensing is based on a unique identifier (host ID) for the computer that is going to run the license manager software. In the case of floating licenses, this will be a server. In the case of node-locked licenses it will be the actual computer that is running the VIVID application.

For additional information about FlexLM licensing, please see the end-user documentation for FlexLM at <http://www.globetrotter.com/support/index.html>.

Steps Required to Get a License

1. Determine how many and what type of licenses (floating and/or node-locked) that you will need
2. Download the zip file **VektrexLM.zip**
3. Unzip the file into a local directory

4. For **floating licenses**:
 - a. Determine the host ID of the server where the license manager software will run by running the application **lmhostid.exe** in a DOS console window from the zip file on the server
 - b. Note the host ID that is reported by the application
 - c. Send this information to Vektrex (use the form at the end of this document)
 - d. **Note:** *be sure to include the server name on the form at the end of this document for the machine where license manager will be running.*
5. For **node-locked licenses**:
 - a. Determine the host id(s) of all the machines where the licensed software needs to run by running the application **lmhostid.exe** from the zip file on each computer
 - b. Note the host ID that is reported by the application
 - c. Send this information to Vektrex (use the form at the end of this document)

I. Setting Up Floating Licenses

First the license manager needs to be set up on the server and then client licenses need to be set up on each client.

a) Setting up the license server

1. The **VektrexLM.zip** file contains the following files which are used to configure the server:
 - a. **Lmtools.exe** – Used to configure license file service on NT, 2000, or XP machine
 - b. **Lmguard.exe** – The actual license manager
 - c. **Vektrxlm.exe** – Vendor specific daemon that is required to license Vektrex products
 - d. **Lmhostid.exe** – file used to generate host ID of server running the license manager
2. The user will require a valid license file (need to contact Vektrex) before the license service can be set up.
3. Configure License Manager
 - a. Start **Lmtools.exe**
 - i. Go to the “Service/License File” tab. See Figure 1.
 - ii. Select “Configuration using Services” radio button.

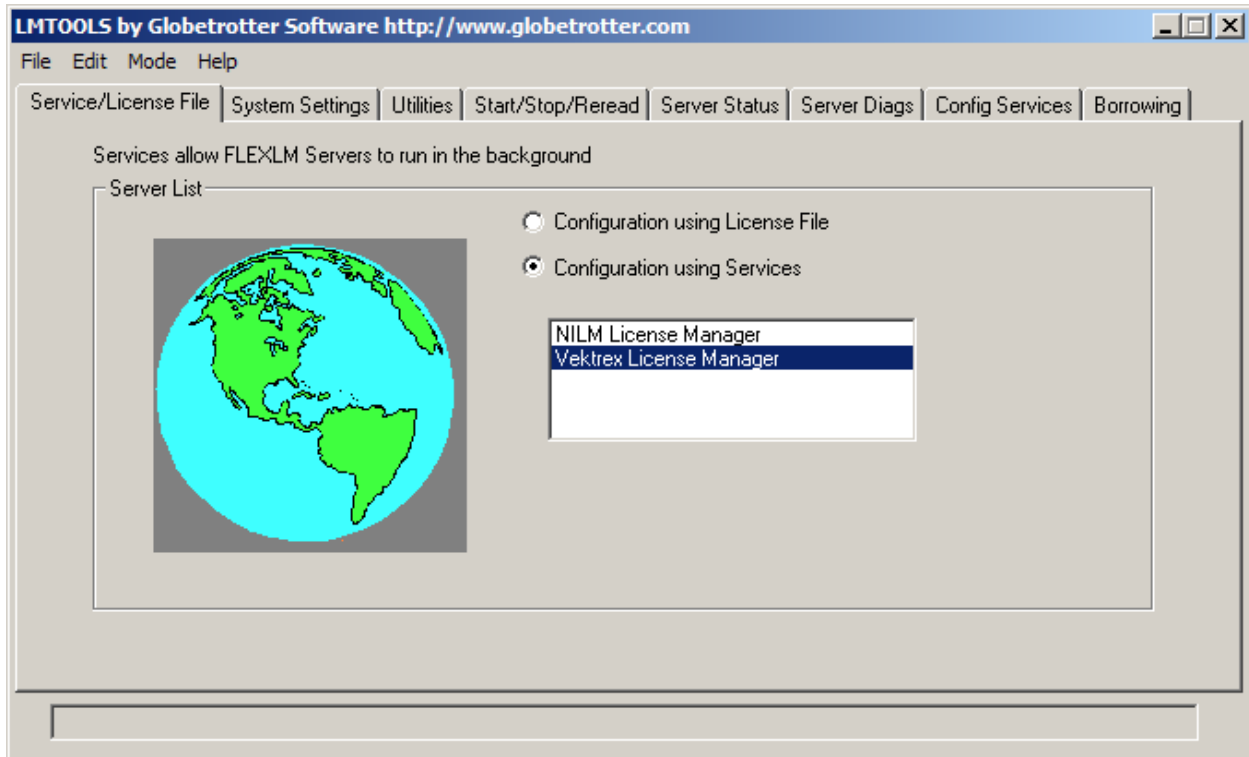


Figure 1 – Service/License File

- iii. Go to the “Config Services” tab. See Figure 2.
- iv. Type the following in the “Service name” box – Vektrex License Manager
- v. Set the path for the lmgrd.exe file
- vi. Set the path for the license file (this is the server license file that you received from Vektrex)
- vii. Check the boxes for “Use Services” (Windows NT/2000/XP only) and “Start Server at Power Up”

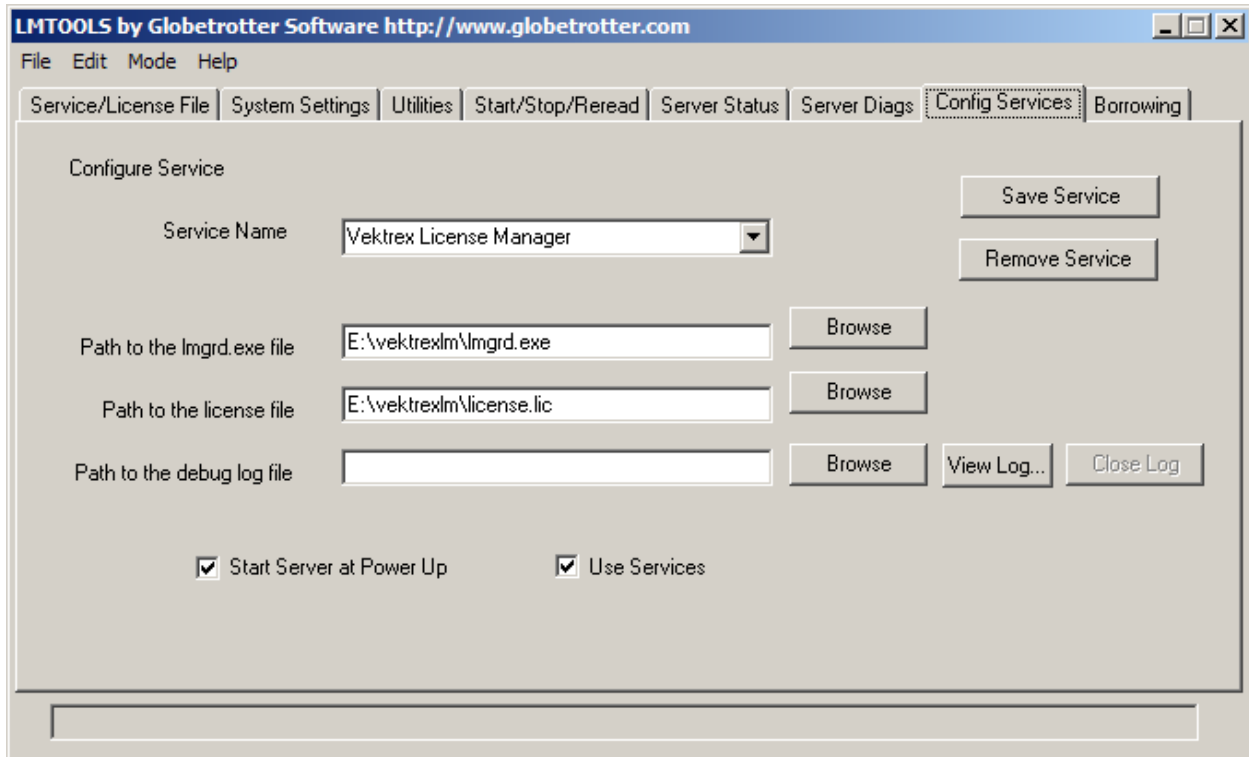


Figure 2 – Config Services

- viii. Go to “Start/Stop/Reread” tab. See Figure 3.
- ix. Start the service by clicking “Start Server” (status bar at the bottom of the window should read “Server Start Successful”)
- x. Exit Imtools.exe

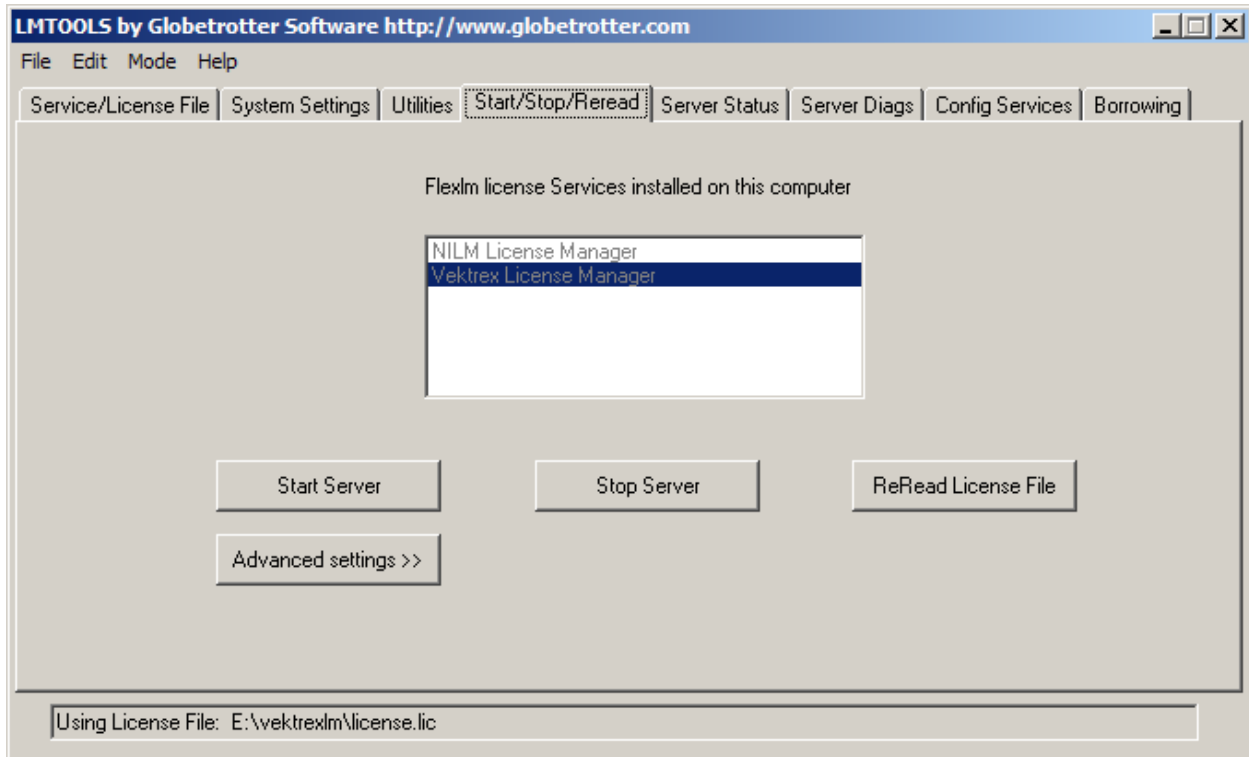


Figure 3 – Start/Stop/Reread

b) Setting up Clients

After installing VIVID on the client machine:

1. Start the VIVID application
2. VIVID will prompt for licensing information (the **FlexLM License Finder – see Figure 4**)
3. In the **FlexLM License Finder** window, choose “Specify the License Server,” and click **Next**
4. Type in the name of the server running the License Manager, then click **Next**
5. The **FlexLM License Finder** should now be complete, click “Finish” to exit



Figure 4 – FlexLM License Finder

II. Setting Up Node-Locked Licenses

After installing VIVID on the client machine:

1. Start the VIVID application
2. VIVID will prompt for licensing information (the **FlexLM License Finder – see Figure 4**)
3. In the **FlexLM License Finder** window, choose “Specify the License File,” and click **Next**
4. You should have received a node-locked license file (named **vidnode.lic**) e-mailed from Vektrex after submitting the form at the end of this document. The default location to place the license file is \Program Files\Vektrex\vivid.
5. If the file is not found by default, click “Browse” and locate the **vidnode.lic** file on your local machine.
6. The **FlexLM License Finder** should now be complete, click “Finish” to exit

Node-locked licenses have the following format:

```
# Node-locked license for Vektrex VIVID

DAEMON vektrxm

FEATURE VIVID vektrxm 2.0 permanent uncounted HOSTID=0000864d772c \
SIGN="0014 5FA2 A861 348A 87CB 3DED C132 4200 81E1 561A 8A22 \
3790 60C7 04F9 11BA"
FEATURE CENTER vektrxm 2.0 permanent uncounted HOSTID=0000864d772c \
SIGN="005E 15F5 425C 05F8 4231 67C1 B46F 7700 F6CC 6636 CAD2 \
0CE0 D024 AFC4 694D"
FEATURE MLTU vektrxm 2.0 permanent uncounted HOSTID=0000864d772c \
SIGN="000B 66A2 B33D 22AE D637 2BCB FD9A 7200 28AD FC5C 20B3 \
F7EE D6D1 989D D124"
FEATURE HELP vektrxm 2.0 permanent uncounted HOSTID=0000864d772c \
SIGN="00EC 72BE 575A 222F D89C C26F 9EBE F900 A8AC F540 06D5 \
880B E7CA DBB9 F5BA"
```

Please e-mail support@vektrex.com if you have any further questions about setup or the contents of this document.

Vektrex VIVID License Request

Company Name: _____

Contact Information

First Name: _____ Last Name: _____

Address1: _____

Address2: _____

Phone Number: _____

Fax Number: _____

E-mail address (the license(s) will be sent to this e-mail address):

Number of floating licenses: _____

Host ID of server: _____

Server Name (where license manager will run): _____

Number of node-locked licenses: _____

Host ID of computer 1: _____

Host ID of computer 2: _____

Host ID of computer 3: _____

Host ID of computer 4: _____

Host ID of computer 5: _____

Special Requests (Please specify):

Please fax this document to:

858-558-2552

Attn. Sales: VIVID Products