



10268 W. Centennial Road, Suite 202 Littleton, Colorado 80127 USA
info@agi32.com www.agi32.com t.303.972.8852 f.303.972.8851

LAI Network Service version 6.3* Installation Details

Serves: AGi32 version: 1.7 and newer
Photometric Toolbox: version 1.5 and newer
ElumTools: all versions

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*** IMPORTANT – When updating or moving the network service please follow the De-authorization instructions on page 7.**

Overview

This document covers the installation of the server and client-side software as well as moving, updating and adding licenses to the service.

The network license configuration for Lighting Analysts software products consists of a small Windows application (LAI Network Service Configuration) that is installed on the server, a “Service” that is started by that application (LAI Network Service), and the AGi32, Photometric Toolbox and ElumTools client-side applications. The server-side software is used for all private network configurations serving prescribed IP address ranges.

IP addressing: A.B.C.D	
The network service is able to serve all addresses with identical A components.	Example: Server IP is: 100.150.1.1 Client IP's can be: 100.x.x.x
Exceptions for non-routable IP's: the service can serve clients in non-routable zones as shown at right.	10.x.x.x 192.x.x.x 172.x.x.x

Licensing

The LAI Network Service Software is licensed for use on both Local Area Networks (LAN) and Wide Area Networks (WAN).

Definitions

Server	The computer the license server is running on. Can be any computer running; Windows 7, Windows 8, Windows 10, Windows Server 2003/R2, 2008/R2, 2012/R2.
Configuration software	The application that installs on your server that is used to install the service and register it with the system. This software contains your installation key and can stop and start the service as required. It also contains logging and laptop checkout features.
Service	The licensing program running on the server that communicates with client copies of AGi32, PTB and ElumTools. It is constantly running in the background of the server and automatically starts with each reboot.
IP Address	Address of a machine, four numbers connected with decimals: (i.e. 10.0.0.32 or 192.168.1.4; each set between periods is between 0 and 255). Addresses read A.B.C.D, similar to a postal address; A is the "state", B is the "city", C is the "street", and D is the "unit number", although addresses do not refer to actual geographic locations.

Installation Procedure

The following steps A through F are an abbreviated description of how to install the server-side configuration software, register the service, start it on the server and install the client software. Each step is discussed in detail following the condensed instructions.

Condensed Instructions

- A. If running Windows Server 2008 or newer, right click on the setup for the LAI Network Service Configuration Software on the server and select "Run as Administrator". Otherwise simply double click. You must have full administrator rights.
- B. Start the LAI Network Service Configuration application by right clicking on the desktop shortcut and selecting "Run as Administrator" from the menu.
- C. Step (1) - Register the license service with the operating system (*Register* button).
- D. Step (2) – Start the service (*Start Service* button).
- E. Step (3) – Request the license key from Lighting Analysts.
 - a. Select the *Request License Key* button.
 - b. Complete the form and click Submit.
 - c. On the web-based registration screen, confirm your email address and click the *Register* button at the bottom of the page. The license key is generated immediately and available for you to copy and paste into the License Key field. It is also returned to you via email.
 - d. Select the *Activate Key* button.
- F. Close the LAI Network Service Configuration program; the service is now running continuously.
- G. Install AGi32, Photometric Toolbox and/or ElumTools on the client machines.

A – Set up the LAI Network Service Configuration Software on the server

1. Begin by locating the server-side software component you have downloaded. The Setup file is titled: *LAI_Network_Service-630-Setup.exe*
2. If running Windows Server 2008 or newer, right click on the Setup file and select “Run as Administrator”. Otherwise double-click. You must be logged in with full local administrator rights. Uncheck the “Launch Application on completion” box. This will install the LAI Network Service Configuration software, which is used to administer the networking components. It must be installed on the server.
3. Start the newly installed LAI Network Service Configuration program by right clicking on the desktop shortcut and selecting “Run as Administrator” from the menu.

The LAI Network Service Configuration program will open as seen below:

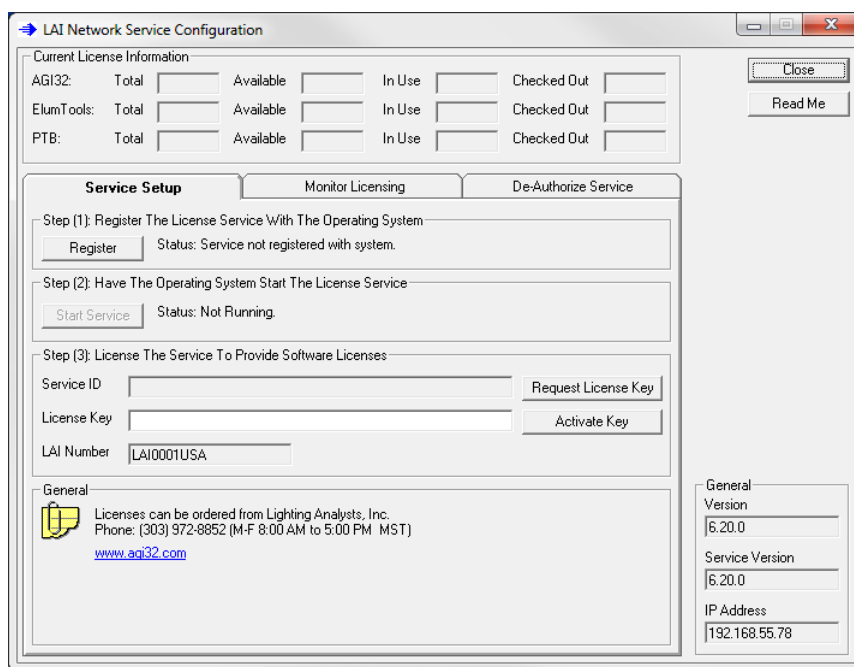


Figure 1 – LAI Network Service Configuration software as it first opens

B – Step (1) - Register the license service with the operating system

Click the **Register** button to install the license service into the server’s service control manager. The LAI Network Service Configuration dialog will now appear as shown below.

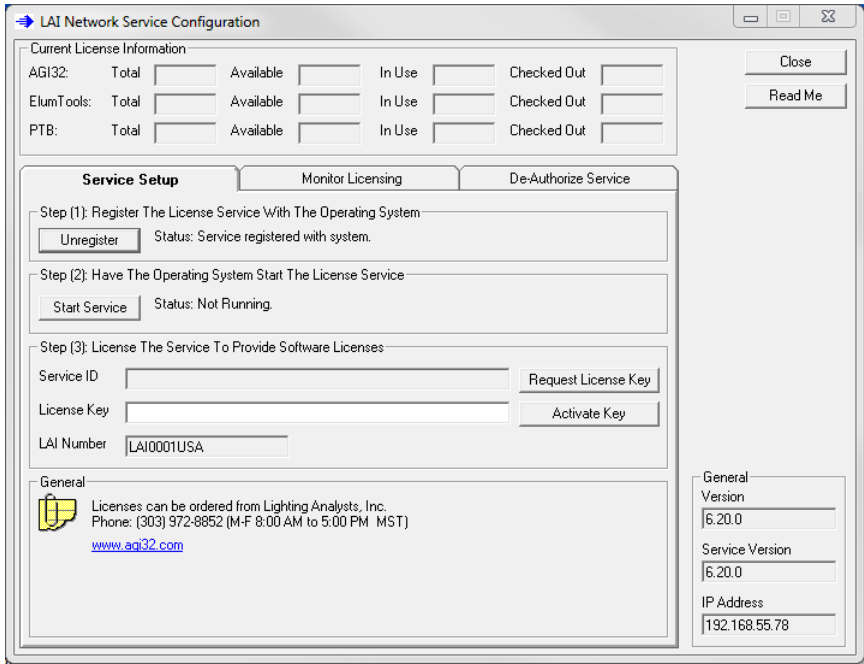


Figure 2 – LAI Network Service Configuration software after Step 1, service is registered

C - Step (2) – Have the operating system start the license service

Click **Start Service** to begin running the service as shown in the dialog below. Once started, the service will always be running until stopped by the LAI Network Service Configuration software.

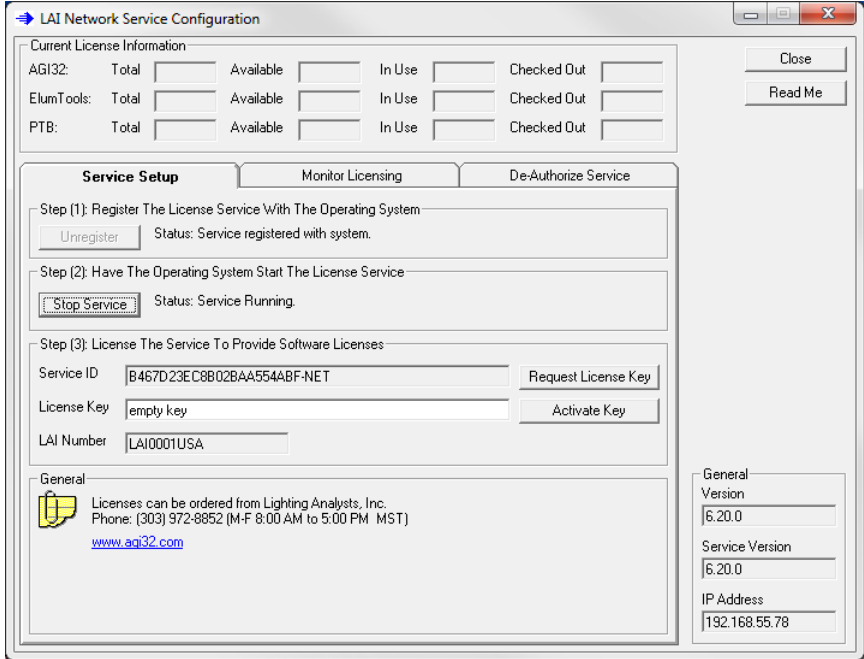


Figure 3 – LAI Network Service Configuration software after Step 2, service is started

D - Step (3) – License the service to provide AGi32, PTB and/or ElumTools licenses

Select the **Request License Key** button to submit the Service ID to Lighting Analysts. Be sure to complete the entire form (shown to the right) so that we know who you are. When you click *Submit*, you will be connected to our web server to complete the process. Enter your E-Store password (or use the Forgot Password link), confirm your email address and click on the *Register* button. Your license key should be generated immediately and displayed for you to copy. An email will also be sent to the address provided.

If you do not have Internet access, copy the *Service ID* from the dialog and paste it into a text file that you can reference from another computer. Paste the *Service ID* into an email and send to info-register@agi32.com. Please DO NOT attempt to transpose the Service ID via telephone.

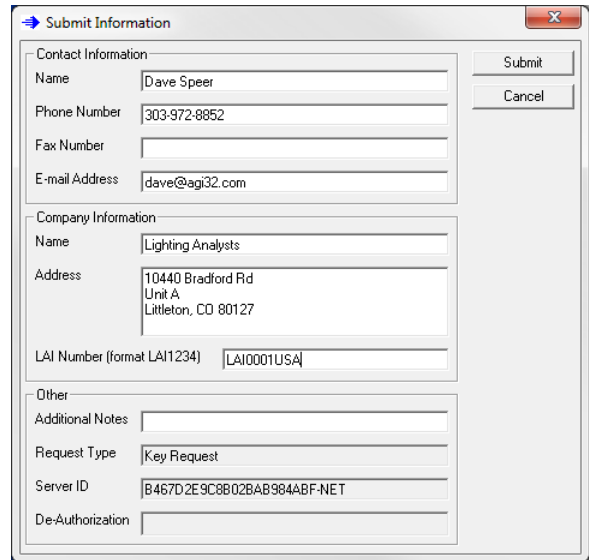


Figure 4 – Request license key form, click Submit

Copy the license key from the web page or the email and paste it into the field labeled *License Key*. Select the **Activate Key** button. A small pop-up will be displayed labeled *Key Loaded*. This small dialog will also show the number of AGi32, PTB and ElumTools licenses to be served. See Figure 5 below.

Click OK in the small pop-up dialog and notice that the number of licenses to be served appears across the top of the LAI Network Service Configuration software under *Current License Information*. It may take a moment to refresh this information.

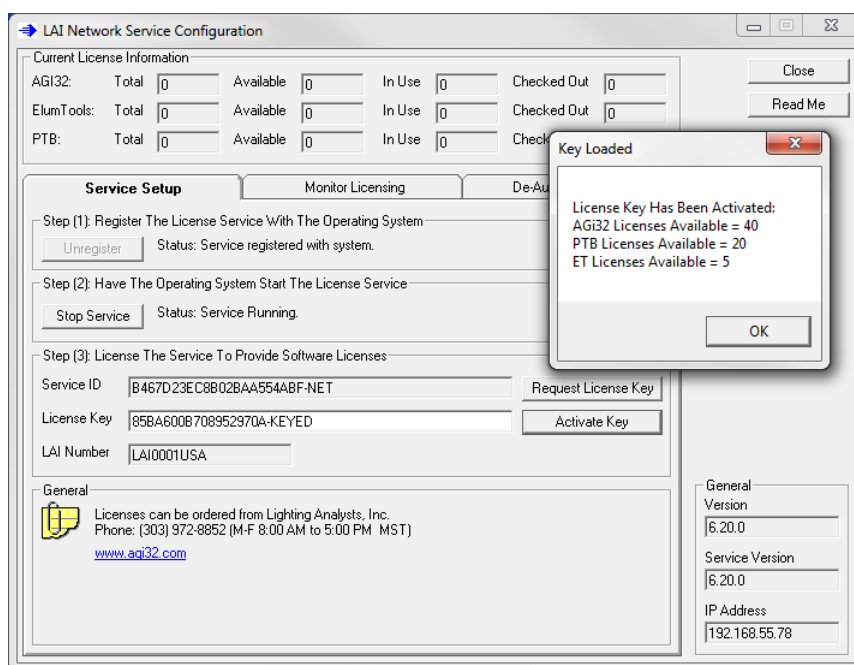


Figure 5 – After Activate Key button has been selected, key loaded.

E – Close the LAI Network Service Configuration program

Note the IP address of the server in the lower right corner of the dialog; you will need this for the client installations. Select the Close button to close the LAI Network Service Configuration program. Windows will now automatically run this service continuously when the computer is turned on and automatically start it when the server is rebooted.

F – Install AGi32, Photometric Toolbox and/or ElumTools the Client machines

1. Install the AGi32, Photometric Toolbox and/or ElumTools software on each client machine. The software can be installed from the downloaded setup file.
2. For AGi32 and Photometric Toolbox: On first start of the software, select the Network License button from the Installation License Manager.
 - a. Select the *Request Network Access Key* link to acquire a network key for this client from Lighting Analysts' web server. A persistent Internet connection is required at this point.
 - b. In the form that follows enter your LAI user number (Example: lai1234); this is required. Enter a valid email address if you want a confirming email.
 - c. The network access key will be automatically installed in the dialog that follows. This key is valid for all client computers.
 - d. Enter a username as this computer will be known in the network service software (any name you like), and the Server IP address or the DNS name for the server. This client will now be registered with the network license server.
3. For ElumTools: Start Revit, and select Activate License from the ElumTools ribbon
 - a. Select the *Request Network Access Key* link to acquire a network key for this client from Lighting Analysts' web server. A persistent Internet connection is required at this point.
 - b. In the form that follows enter your LAI user number (Example: lai1234); this is required. Enter a valid email address if you want a confirming email.
 - c. The network access key will be automatically installed in the dialog that follows. This key is valid for all client computers.
 - d. Enter a username as this computer will be known in the network service software (any name you like), and the Server IP address or the DNS name for the server. This client will now be registered with the network license server.
 - e. Once activated, you can activate and deactivate the license as needed. In order to access ElumTools functions, you will need to activate the license. Once done with ElumTools, you can manually deactivate the license (freeing it up for use by another user) or simply close Revit to release the license.
4. To convert machines currently using a single user license of AGi32, Photometric Toolbox or ElumTools: Select the *Installation License Manager (ILM)* from the Tools menu on the client to be converted. Then select the *Convert to Network License* button. Follow steps 2.a through 2.d above. This is required for standalone licenses traded for network licensing.

Moving or Updating the Service (DE-AUTHORIZATION)

Please download the latest version of the network service (updates are free). Do not re-install an older version! **VERY IMPORTANT!** Follow the uninstall directions below to remove the service from your server before installing the new update. **YOU MUST DE-AUTHORIZE THE OLD SERVICE BEFORE KEYING THE NEW ONE!**

1. Open *LAINConfig* application on the server.
2. Select the *De-authorize* tab.
3. Click the *De-authorize Now* button.
4. Submit your company information along with the De-authorization information by clicking the *Submit* button in the dialog that appears.
5. Return to the *Service Setup* tab.
6. Stop the service.
7. Unregister the service.
8. Uninstall the LAI Network Service Configuration software from Windows Control Panel.
9. Log into your account at www.agi32.com and check for product updates, download if necessary.
10. Double click the Setup file to install the software on the new server.
11. Start the LAI Network Service Configuration software.
12. Select the *Register Service* button.
13. Select the *Start Service* button.
14. Request the license key using the *Request License Key* button.
15. Complete the form and click *Submit*.
16. Complete the web form with your E-Store password (or use the Forgot Password link) and confirm your email address.
17. The License key will be generated immediately and sent via email. Copy and paste it into the License Key field and click the *Activate Key* button.

Adding or removing licenses from the network service

Adding licenses requires a new key. This can be done quickly with no downtime. Please order the licenses through Lighting Analysts prior to requesting the new key.

1. Start the LAI Network Service Configuration software on the server.
2. Select the *De-authorize* tab.
3. Click the *De-authorize Now* button.
4. Submit your company information along with the De-authorization information by clicking the *Submit* button in the dialog that appears.
5. Go to the Service Setup tab.
6. Select the *Request License Key* button to submit the Service ID to Lighting Analysts. Be sure to complete the entire form so that we know who you are.
7. Complete the form and click *Submit*.
8. Complete the web form with your E-Store password (or use the Forgot Password link) and confirm your email address.
9. The License key will be generated immediately and also sent via email. Copy and paste it into the License Key field and click the *Activate Key* button.
10. Highlight the field titled *License Key*. Copy and paste the new key over the old key.
11. Select the *Activate Key* button. A small pop-up will be displayed labeled “Key Loaded”. The newly purchased licenses may not appear until the LAI Network Service Configuration software is closed and reopened.