

Wavelink Client License Server Version 3.1 Reference Guide

wltn-rg-licserv-20061110-02

Revised 11/10/06

Copyright © 2006 by Wavelink Corporation All rights reserved.

Wavelink Corporation
6985 South Union Park Avenue, Suite 335
Midvale, Utah 84047
Telephone: (801) 316-9099
Fax: (801) 255-9699
Email: customerservice@wavelink.com
Website: <http://www.wavelink.com>

Email: sales@wavelink.com

No part of this publication may be reproduced or used in any form, or by any electrical or mechanical means, without permission in writing from Wavelink Corporation. This includes electronic or mechanical means, such as photocopying, recording, or information storage and retrieval systems. The material in this manual is subject to change without notice.

The software is provided strictly on an "as is" basis. All software, including firmware, furnished to the user is on a licensed basis. Wavelink grants to the user a non-transferable and non-exclusive license to use each software or firmware program delivered hereunder (licensed program). Except as noted below, such license may not be assigned, sublicensed, or otherwise transferred by the user without prior written consent of Wavelink. No right to copy a licensed program in whole or in part is granted, except as permitted under copyright law. The user shall not modify, merge, or incorporate any form or portion of a licensed program with other program material, create a derivative work from a licensed program, or use a licensed program in a network without written permission from Wavelink. The user agrees to maintain Wavelink's copyright notice on the licensed programs delivered hereunder, and to include the same on any authorized copies it makes, in whole or in part. The user agrees not to decompile, disassemble, decode, or reverse engineer any licensed program delivered to the user or any portion thereof.

Wavelink reserves the right to make changes to any software or product to improve reliability, function, or design.

The information in this document is bound by the terms of the end user license agreement.

Table of Contents

Introduction	3
Document Conventions	3
About the License Server	4
Installing the License Server.....	5
Installation Requirements	5
Using the License Server.....	6
Launching the License Server	7
License Server GUI	7
Adding a License	8
Releasing a License	10
Removing a License	10
Changing License Server Settings	11
Viewing License Information	12
Running the License Server as a Windows Service	13
Installing the Service.....	13
Uninstalling the Service.....	14
Starting and Stopping the Service.....	14
Index	17

Wavelink Client License Server

This document provides information about the Wavelink Client License Server. The following information is included:

- [Introduction](#)
- [Installing the License Server](#)
- [Using the License Server](#)

Introduction

This section provides information about document conventions and gives an overview of the Wavelink Client License Server.

Document Conventions

The following section contains information about text-formatting conventions in this manual.

Table 1 lists the conventions that are used in this manual.

Convention	Description
<code>courier new</code>	<p>Any time you interact directly with text-based user interface options, such as a button, or type specific information into an text box, such as a file pathname, that option appears in the <code>Courier New</code> text style. This text style is also used for keys that you press, filenames, directory locations, and status information.</p> <p>For example:</p> <p>Press <code>ENTER</code>.</p> <p>Click <code>OK</code>.</p>

Table 1: *Text-Formatting Conventions*

Convention	Description
bold	<p>Any time this document refers to a labelled user interface option, such as descriptions of the choices in a dialog box, that option appears in the Bold text style.</p> <p>Examples:</p> <p>Enable the DHCP checkbox.</p> <p>Access the Telnet Client Session menu.</p>
<i>italics</i>	<p>Italicized text is used to indicate the name of a window or dialog box.</p> <p>For example:</p> <p>The <i>Update Utility</i> dialog box.</p> <p>The <i>Profile Manager</i> dialog box.</p>

Table 1: *Text-Formatting Conventions*

About the License Server

The Wavelink Client License Server is a Windows-based application that provides licenses to mobile devices that are using Telnet Client. The Telnet Client allows you to store licenses at a central location and automatically distribute those licenses to mobile devices that request them.

NOTE Licenses can also be manually added to individual mobile devices.

Telnet Client licenses are distributed to mobile devices in the following manner:

- 1 When the Telnet Client application is first activated on a mobile device, the mobile device broadcasts a request for a license.
- 2 The License Server responds to the mobile device with a license.
- 3 The mobile device accepts the license and responds to the License Server.
- 4 Once a mobile device obtains a license, it keeps the license until one of the following criteria are met:
 - The license expires.
 - The Telnet Client discovers that another mobile device is using the same license.

- The user manually deletes the license from the device.

When any of these criteria are met, the Telnet Client discards the license and requests a new license from the License Server.

Installing the License Server

This section provides information about installing the Wavelink Client License Server as a Windows service. When you use this method, the Wavelink Client License Server runs as a dedicated Windows service on the host system. This allows the License Server to automatically start every time the host system is rebooted. It also allows the License Server to operate without requiring a Windows login.

NOTE If you choose to install the License Server as a standard application instead of a service, it will distribute licenses only while the GUI is running.

Installation Requirements

Ensure that the system on which you will install the Wavelink Client License Server meets the following specifications:

- Microsoft Windows 2000/XP or Windows Server
- 2MB hard disk space
- Network connection that provides bi-directional communication with Telnet Clients that will receive licenses from the License Server

NOTE You must be logged into the computer on an account with Administrator privileges to run the installer.

To install the License Server as a Windows service:

- 1 Open the License Server application.

NOTE You can obtain the application from Wavelink Customer Service or the Wavelink Web site.

The *Wavelink Client License Server Setup* dialog box appears.

- 2 Click `Next`.

The *License Agreement* dialog box appears.

- 3 Review the License Agreement and click `I Agree` to continue.

NOTE You must accept the License Agreement to install the License Server.

The *Choose Install Location* dialog box appears.

- 4 Select the folder in which you want to install the License Server.
- 5 Click `Install`.

A dialog box appears asking if you want the License Server to run as a Windows service.

NOTE For more information about running the License Server as a Windows service, refer to *Appendix A: Running the License Server as a Windows Service* on page 13.

- 6 Click `Yes`.

A dialog box appears asking if you want to add a shortcut to the desktop.

- 7 Choose either `Yes` or `No`.

The *Completing the Wavelink Client License Server Setup Wizard* dialog box appears.

- 8 If you want to run the License Server immediately, enable the **Run Wavelink Client License Server** checkbox.
- 9 If you want to view information about the License Server, enable the **Show Readme** checkbox.
- 10 Click `Finish`.

The License Server installation is complete.

Using the License Server

This section provides information about using the Wavelink Client License Server, including:

- [Launching the License Server](#)
- [License Server GUI](#)

Launching the License Server

Launch the License Server to access the GUI that will allow you to add, remove, and view licenses.

The following are important notes about running the License Server:

- Only one instance of a License Server may be running on the network. If you launch the License Server and another License Server is running, you will receive an error message.
- If you are running the License Server as a Windows service, the service will be notified of any changes made in the GUI.

To launch the License Server:

- Click on the `License Server` desktop icon or the `License Server` icon in the **Wavelink Client License Server** program group.

The *License Server GUI* appears.

License Server GUI

The License Server GUI gives you the ability to view and configure the licenses in your License Server.

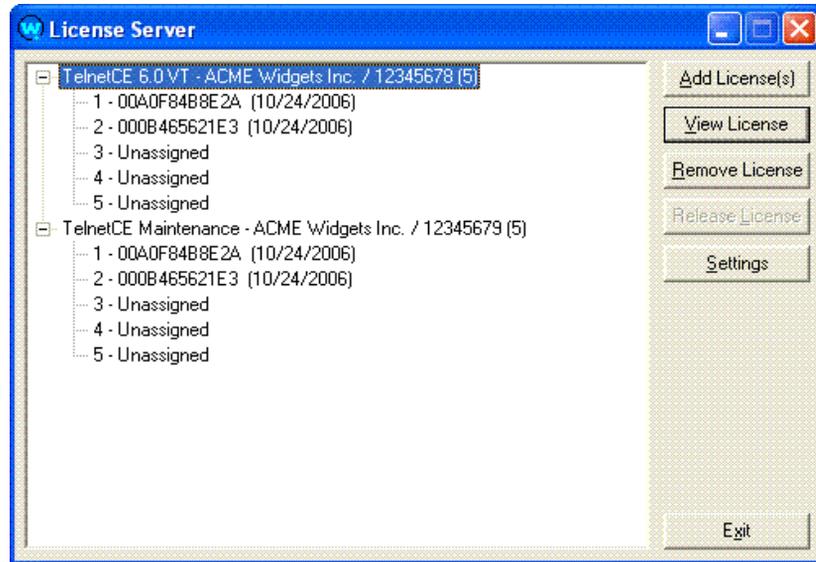


Figure 1. License Server GUI

Licenses are displayed in a tree view. Each license type can be expanded to show whether a license is assigned or unassigned. Unassigned licenses will display as **Unassigned**, while assigned licenses will display the MAC address of the mobile device. The date to the right of each license indicates the last time the license connected with the server.

This section provides information about performing the following tasks:

- [Adding a License](#)
- [Releasing a License](#)
- [Removing a License](#)
- [Changing License Server Settings](#)
- [Viewing License Information](#)

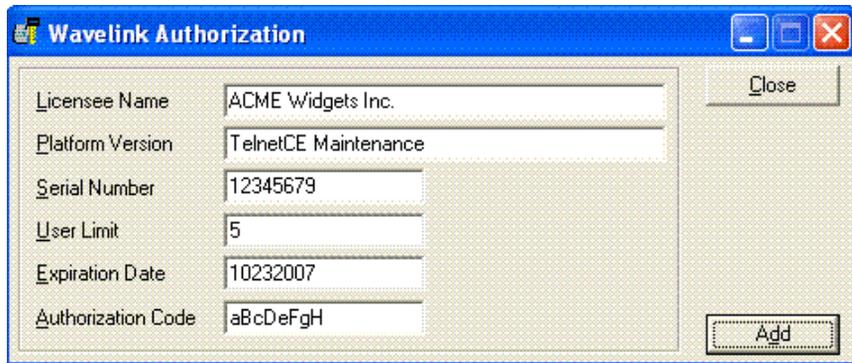
Adding a License

You can add a license to the License Server that the License Server can then distribute to mobile devices running the Telnet Client.

To add a license:

- 1 Launch the License Server GUI.
- 2 Click Add Licenses.

The *Wavelink Authorization* dialog box appears.



Licensee Name	ACME Widgets Inc.
Platform Version	TelnetCE Maintenance
Serial Number	12345679
User Limit	5
Expiration Date	10232007
Authorization Code	aBcDeFgH

Figure 2. *Wavelink Authorization Dialog Box*

- 3 In the *Wavelink Authorization* dialog box, input the information for the license, where:

- **Licensee Name** is the name of the party to which the license was distributed.
- **Platform Version** is the list of emulation types that the license supports.
- **Serial Number** is the serial number of the license.
- **User Limit** is the number of users that the license supports.
- **Expiration Date** is the expiration date of the license in the format MMDDYYYY.
- **Authorization Code** is the authorization code for the license.

NOTE All license information is case and space sensitive. The information must be exact for the license to be added successfully.

- 4 After you have input the license information, click `Add`.

A dialog box appears that indicates that the license was successfully added as shown.

- 5 Click `OK`.
- 6 Click `Close` to exit the *Wavelink Authorization* dialog box.

The license now appears in the License Server GUI.

Releasing a License

You can use the License Server GUI to release a license and make it available for the License Server to distribute to another device. However, this does not immediately force the device that holds the license to release it; you must first make sure that the mobile device that previously acquired the license is not operating on the network.

To release a license:

- 1 Access the License Server GUI.
- 2 Locate the license that you want to release.
- 3 Click `Release License`.

The *License Server* dialog box appears.

- 4 Click `Yes`.

The License Server GUI now indicates that the client license is unassigned and can be distributed to another mobile device.

Removing a License

If a license is no longer needed, you may remove it from the License Server.

To remove a license from the License Server:

- 1 Access the License Server GUI.
- 2 From the list of licenses that are installed, select the desired license.
- 3 Click `Remove License`.

The *License Server* dialog box appears and requests confirmation of the deletion.

- 4 Click *Yes*.

The license is deleted from the License Server and removed from the License Server GUI.

Changing License Server Settings

Use the License Server GUI to determine the number of days an unused license can be assigned to a mobile device before it becomes available for redistribution.

To change settings:

- 1 Launch the License Server GUI.
- 2 Click *Settings*.

The *Settings* dialog box appears.

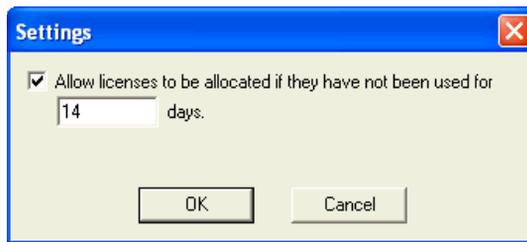


Figure 3. *Settings Dialog Box*

- 3 Enable the checkbox and enter the number of days (any value between 5 and 365) in the available text box.

-Or-

Disable the checkbox to turn this feature off.

NOTE The default setting is 14 days.

- 4 Click *OK*.

The new settings are applied.

Viewing License Information

You can use the License Server GUI to view information about a license or verify the version number of the License Server.

To view information about a license:

- 1** Access the License Server GUI.
- 2** From the list of installed licenses, select the license that you want to view.
- 3** Click `View License`.

The *View License* dialog box appears and displays the details of the license.

- 4** Click `Close` to close the *View License* dialog box.

To view the License Server version:

- 1** Launch the License Server application.
- 2** Right-click the title bar of the License Server window.

A menu list appears.

- 3** Select `About License Server....`

The *About License Server* dialog box appears. This dialog box displays the License Server version number.

Appendix A: Running the License Server as a Windows Service

The License Server application can be configured to run as a Windows service. When running as a service, the License Server will always be available when the computer is running, even if no user is logged in.

This section provides the following information:

- Installing the Service
- Uninstalling the Service
- Starting and Stopping the Service

Installing the Service

During the License Server installation process, you are given the option of installing the License Server as a service. This section describes the necessary steps to make the License Server a service after installation.

To install the service:

- 1 From the Windows main menu, select `Start > Run`.

The *Run* dialog box appears.

- 2 In the **Open** text box, type `"C:\Program Files\Wavelink\LicenseServer\LicenseServer.exe"`
`/install`
- 3 Click **OK**.

The *Wavelink Client License Server* dialog box appears, indicating that the service is now running.



Figure 1. *Wavelink Client License Server Dialog Box*

Uninstalling the Service

If you no longer want to run the License Server as a Windows service, you can uninstall the service.

To uninstall the service:

- 1 From the Windows main menu, select `Start > Run`.

The *Run* dialog box appears.

- 2 In the Open text box, type `"C:\Program Files\Wavelink\LicenseServer\LicenseServer.exe" /uninstall`

- 3 Click `OK`.

The *Wavelink Client License Server* dialog box appears, indicating that the service is now uninstalled.

NOTE If you uninstall the License Server application, the License Server service will also be uninstalled.

Starting and Stopping the Service

You can use the Windows main menu to start or stop the License Server service.

To start or stop the service:

- 1 From the Windows main menu, select `Start > Settings > Control Panel`.

The *Control Panel* dialog box appears.

- 2 Double-click on `Administrative Tools`, then `Services`.

The *Services* dialog box appears.

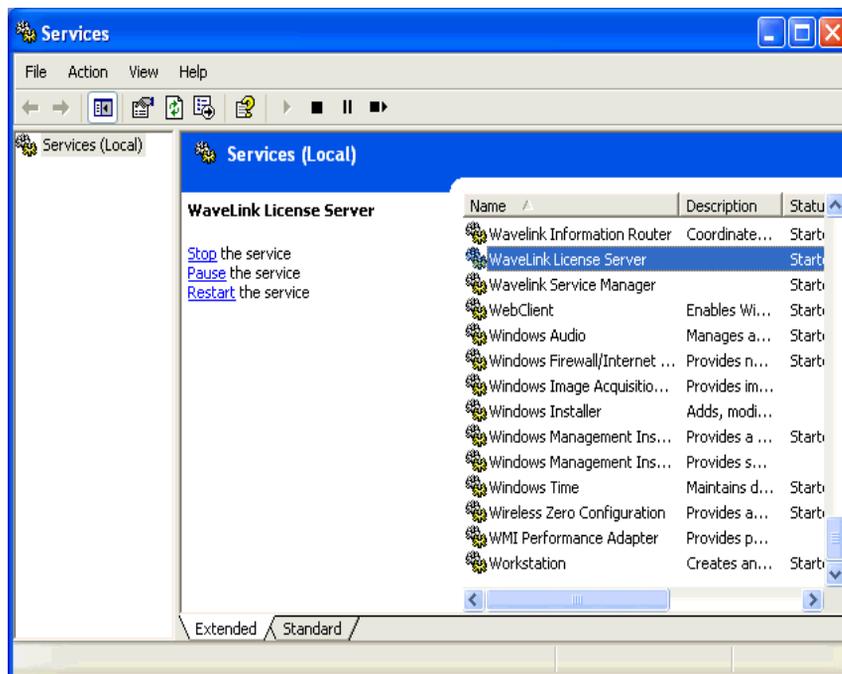


Figure 2. *Services Dialog Box*

- 3 From the list of services, select `Wavelink License Server`.
- 4 In the left pane of the *Services* dialog box, select the appropriate link to **Start**, **Stop**, **Pause**, or **Restart** the service.

-Or-

Right-click on `Wavelink License Server` and **Start**, **Stop**, **Pause**, or **Restart** the service using the menu that appears.

NOTE If you stop the License Server service, it will be automatically restarted when you launch the License Server GUI.

Index

A

- about License Server 4
- adding licenses 8

D

- document conventions 3

G

- GUI 7

I

- installation requirements 5
- installing License Server 5
- introduction 3

L

- launching License Server 7
- License Server GUI 7
- licenses
 - adding 8
 - changing settings 11
 - releasing 10
 - removing 10

R

- releasing licenses 10
- removing licenses 10
- running License Server as Windows service 13

S

- settings 11

U

- using License Server
 - adding licenses 6
 - changing settings 6
 - launching 6
 - releasing licenses 6

- removing licenses 6

V

- viewing
 - license information 12
 - version number 12

