



Command Line Administrator

wls-rg-cladmin-20060728-02

Revised 7/28/06

Copyright © 2006 by Wavelink Corporation All rights reserved.

Wavelink Corporation
6985 South Union Park Avenue, Suite 335
Midvale, Utah 84047
Telephone: (801) 316-9000
Fax: (801) 316-9099
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.

Symbol, Spectrum One, and Spectrum24 are registered trademarks of Symbol Technologies, Inc.

Table of Contents

Command Line Administrator	1
Document Conventions	1
Installation	2
Running the Command Line Administrator	2
Interactive Mode	3
Automated Mode	4
Commands	5
listapps	5
help	5
startmonitor	5
stopmonitor	6
restartmonitor	6
listsites	6
listmonitors	6
listusers	6
killuser	6
about	7
exit	7
terminatesite	7
terminateserver	7
listlicenses	7
listissuedlicenses	7
status	8
connect	8
disconnect	8
run	8

Command Line Administrator

The Command Line Administrator allows you to perform administrative functions for the Wavelink Studio 5.0 Server using a command line interface rather than the Studio Administrator. It can be used on any system with a Studio 5.0 Server.

NOTE The Command Line Administrator may need additional files installed in order to work with earlier versions of the Studio Server.

Document Conventions

This document uses the following typographical conventions:

`Courier New`

Any time this document refers to a filename, filepath, or information that you type, it appears in the `Courier New` text style. This text style is also used for any keyboard commands that you might need to press.

Examples:

To install the files, place the `.jar` files into your `\libs` directory.

Press `CTRL+ALT+DELETE`.

Italics

Any time this document uses a placeholder, representing an actual value such as a parameter, the placeholder appears in *italics*.

Example:

`startmonitor <site> <appname>`

<> Any time this document uses a placeholder, representing an actual value such as a parameter, that section is enclosed by angle brackets.

Example:

```
startmonitor <site> <appname>
```

|| Any time this document uses a double-pipe symbol (||), it is equivalent to a logical “or,” specifying alternate parameters for the command.

For example,

```
killuser <site> <port> <connectionID> || <site>  
<appname> <connectionID>
```

indicates that either of the following syntaxes are valid for the command:

```
killuser <site> <port> <connectionID>  
killuser <site> <appname> <connectionID>
```

Running the Command Line Administrator

The Command Line Administrator allows you to execute commands using interactive mode and automated mode.

NOTE Before running the Command Line Administrator, ensure that Java is available from your command line.

Interactive Mode

Interactive mode allows you to use a console prompt to execute administrative commands and receive immediate responses from the server.

To run the Command Line Administrator in interactive mode:

- 1 Create a batch file that contains parameters such as those shown in the following example, modifying this information as needed for your environment:

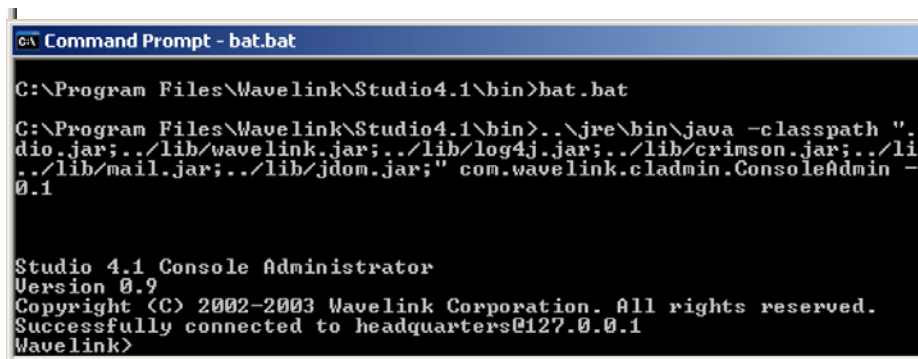
```

@echo off
rem Arg #1 is added to the classpath; separate
multiple paths with a
rem semicolon.
echo on
java -classpath "../lib/wlstudio.jar;../lib/
wavelink.jar;../lib/log4j.jar;../lib/crimson.jar;../li
b/jaxp.jar;../lib/mail.jar;../lib/jdom.jar;%~1"
com.wavelink.cladmin.ConsoleAdmin -host 127.0.0.1

```

NOTE The host argument must specify the IP address of the Studio Server.

- 2 Place the batch file in your `\bin` directory.
- 3 Verify that the Studio Server is running.
- 4 From the console prompt, run the batch file you created previously to enter interactive mode. Fig. 1 shows the typical result.



```

CA Command Prompt - bat.bat

C:\Program Files\Wavelink\Studio4.1\bin>bat.bat

C:\Program Files\Wavelink\Studio4.1\bin>..\jre\bin\java -classpath ".
dio.jar;../lib/wavelink.jar;../lib/log4j.jar;../lib/crimson.jar;../li
../lib/mail.jar;../lib/jdom.jar;" com.wavelink.cladmin.ConsoleAdmin -
0.1

Studio 4.1 Console Administrator
Version 0.9
Copyright (C) 2002-2003 Wavelink Corporation. All rights reserved.
Successfully connected to headquarters@127.0.0.1
Wavelink>

```

Figure 1. The Command Line after Starting Interactive Mode (Example)

Automated Mode

Automated mode allows you to send commands directly to the server from a batch file.

To run the Command Line Administrator in automated mode:

- 1 Create a batch file that contains parameters such as those shown in the following example, modifying this information as needed for your environment:

```
@echo off
rem Arg #1 is added to the classpath; separate
multiple paths with a
rem semicolon.
echo on
java -classpath "../lib/wlstudio.jar;../lib/
wavelink.jar;../lib/log4j.jar;../lib/crimson.jar;../
lib/jaxp.jar;../lib/mail.jar;../lib/jdom.jar;%~1"
com.wavelink.cladmin.ConsoleAdmin -host 127.0.0.1 -
command "listmonitors Studio-Ryan;listusers Studio-Ryan
3001"
```

NOTE Multiple commands must be separated by semicolons in the command list, as shown in the preceding example.

- 2 Place the batch file in your `\bin` directory.
- 3 Verify that the Studio Server is running.
- 4 From the console prompt, run the batch file you created previously.

The Command Line Administrator executes the commands contained in the batch file.

Commands

The commands available for use with the Command Line Administrator are as follows:

listapps

Syntax `listapps`

Description Lists all configured applications.

help

Syntax help <command>

Description Displays valid commands or Help for a specific command.

startmonitor

Syntax startmonitor <site> <appname>

Description Starts a port monitor on the specified site.

This command starts the first available port monitor associated with the specified application. For example, if an available port range from 3001-3010 is configured for a Hello World application, and 3001 and 3002 are already running this application, the startmonitor command will start a port monitor on port 3003.

stopmonitor

Syntax stopmonitor <site> <port>

Description Stops the specified port monitor on the specified site.

restartmonitor

Syntax restartmonitor <site> <appname>

Description Stops and then restarts the specified port monitor.

listsites

Syntax listsites

Description Lists the currently running sites.

listmonitors

Syntax `listmonitors <site> || <all> || <appname>`

Description This command lists information about the specified subset of running monitors. The default parameter is <all>.

listusers

Syntax `listusers <site> || <site> <port> || <site> <appname>`

Description Lists specified subset of current connections.

killuser

Syntax `killuser <site> <port> <connectionID> || <site> <appname> <connectionID>`

Description Forcibly terminates the specified connection.

about

Syntax `about`

Description Displays version and copyright information.

exit

Syntax `exit`

Description Shuts down the Command Line Administrator.

terminatesite

Syntax `terminatesite <sitename>`

Description Terminates the specified site.

terminateserver

Syntax	<code>terminateserver</code>
Description	Terminates the Studio 4.1 server.

listlicenses

Syntax	<code>listlicenses</code>
Description	Lists licenses configured for the connected server.

listissuedlicenses

Syntax	<code>listissuedlicenses</code>
Description	Lists information about any currently leased licenses.

status

Syntax	<code>status</code>
Description	Displays the connected status of the Command Line Administrator.

connect

Syntax	<code>connect <ipaddress></code>
Description	Connects the Command Line Administrator to the specified host (defaults to 127.0.0.1).

disconnect

Syntax	<code>disconnect</code>
Description	Disconnects the Command Line Administrator from the current Studio 4.1 Server.

run**Syntax**`run <command>`**Description**

Executes the specified command, such as a batch file for starting the server.