

INSTALLING AVALANCHE REMOTE CONTROL 4.1

Avalanche Remote Control comes as two separate files: the Remote Control Server installation file (.exe) and the Remote Control software package (.ava). The installation file installs the Remote Control server on a local machine. The Remote Control software package contains the client software that needs to be installed on the mobile device. The software package must be added to an Avalanche software profile before it can be configured and deployed to the device.

This paper provides the following information:

- System Requirements
- Installing the Remote Control Server on Windows
- Installing the Remote Control Server on Linux
- Connecting to the Avalanche License Server
- Installing and Configuring the Client
- Installing the Skins Editor

NOTE: Use of Remote Desktop or other terminal services in conjunction with Wavelink Avalanche Remote Control is not recommended.

SYSTEM REQUIREMENTS

There are two sets of requirements necessary to install and run Avalanche Remote Control: for installing the Remote Control Server and for installing the Remote Control Client. You must have Avalanche Mobility Center OR Site Edition 4.8.1 or later installed in order to use Remote Control. Wavelink recommends installing Remote Control local to the Enterprise Server database.

CLIENT SYSTEM REQUIREMENTS

- Avalanche Enabler 3.50-12 or later versions
- Windows CE (4.2 or later), PocketPC 2003, Windows Mobile (5.0 or later), Windows XP, or Windows XP embedded devices
- 200 KB of disk space
- 200 KB of Flash memory

SERVER SYSTEM REQUIREMENTS

OS	Windows XP Professional 32 bit Windows Vista 32 or 64 bit Windows 2003 Server 32 bit Windows 2008 Server 32 or 64 bit Windows 2008 Server R2 32 or 64 bit Windows 7 32 or 64 bit Linux 2.4 or 2.6 kernel*
	1-1000 Simultaneous Connections
CPU	Single Core at 2.8 GHz or greater
RAM (minimum)	2 GB
(recommended)	3 GB (using a 32-bit OS) 4 GB (using a 64-bit OS)
Disk Space (minimum)	4 GB
(recommended)	8 GB

* When installing on Linux, you must also have JRE 1.6.x installed.

INSTALLING THE REMOTE CONTROL SERVER ON WINDOWS

The Remote Control Server installation file installs the Remote Control Server.

To install the Remote Control Server:

1. Obtain the Remote Control Server installation file and save it where you want to install.
2. Double-click the Remote Control Server installation file.
A *Welcome* dialog box appears.
3. Click **Next**.
The Remote Control Server Password screen appears.
4. Provide a username and password to use to access the Remote Control Console and click **Next**.
The License Agreement screen appears.
5. Agree to the terms of the license and click **Next**.
The Select Destination Location screen appears.
6. Click **Next** to accept the default installation folder, or click **Browse** to navigate to a folder of your choice. After you select an installation folder, click **Next** to continue the installation process.

The Select Start Menu Folder screen appears.

7. Click **Browse** to navigate to and select the folder where you want to create Remote Control shortcuts in the **Start** menu.

8. Click **Next**.

The Ready to Install screen appears.

9. Click **Install** to begin the installation.

The Remote Control Setup Wizard installs Remote Control.

If Remote Control is not installed local to the Avalanche Enterprise Server, you must configure Remote Control to access the license server. For information on configuring the Remote Control Server, see *Connecting to the Avalanche License Server* on page 3.

10. To close the installation wizard, click **Finish**.

INSTALLING THE REMOTE CONTROL SERVER ON LINUX

The Remote Control Server Linux installation file installs the Remote Control Server on a Linux computer.

To install the Remote Control Server on Linux:

1. Modify the firewall to allow Remote Control traffic. Remote Control uses ports 1899 and 1900.
2. Create a directory where Remote Control will be installed.
3. Extract the Remote Control tar file to the directory with the following command:

```
-tar -xvf [filename].tar
```

where [filename] is the name of the Remote Control tar file.

4. Navigate to the Remote Control directory that was created in the installation directory.
5. To start the server, type `./wlrserver.sh`

The service will run as long as the window is open.

If Remote Control is not installed local to the Avalanche Enterprise Server, you must configure Remote Control to access the license server. For information on configuring the Remote Control Server, see *Connecting to the Avalanche License Server* on page 3.

CONNECTING TO THE AVALANCHE LICENSE SERVER

Remote Control must connect to the Avalanche license server in order to distribute licenses. The port 7221 should be unblocked between the Remote Control server and the Avalanche license server. The Avalanche license server is usually installed at the same location as the enterprise server.

You can check to ensure the Remote Control server can contact the Avalanche license server from the Remote Control Console. Access the Remote Control Console either through the **Start** menu of the computer where you installed the server, or through the Remote Control package after it has been

added to an Avalanche software profile. Use the username and password created during server installation to access the Remote Control Console.

NOTE: You do not need to configure this information if you install the Remote Control Console on the same computer as the Avalanche Enterprise Server.

To configure the license server information from a web browser:

1. To launch the Remote Control Console, click **Programs > Remote Control 4.1 > Server Setup**. Or, if you provided a different folder for the Remote Control shortcuts during installation, the **Server Setup** option will be in that folder.

A web browser will open to the Remote Control login screen.

2. Type the username and password created during installation and click **Logon**.
3. From the Remote Control Console, click **Licensing** in the System Menu.
4. Type the address of the Avalanche server in the **License Server** text box. The default **Port** for the license server is 7221.
5. Click **Verify** to check if Remote Control can contact the license server.
6. Click **Save**.

INSTALLING AND CONFIGURING THE CLIENT

To install the Remote Control client on the mobile device, add it to a new or existing Avalanche software profile. After the package has been added to a profile, you can enable, configure, and deploy it to mobile devices. For details about creating and deploying software profiles or adding software packages in Avalanche SE or MC, see the Avalanche user guide.

To configure the client:

1. From Avalanche, navigate to the software profile that has the Remote Control package and click **Configure** in the Software Packages panel.

NOTE: If you do not have Java installed locally, click **Install Java** in the Configure column. After installing Java, the **Configure** option will be available.

2. Depending on your browser and security settings, you may be prompted to trust the Wavelink certificate. If you are prompted to select the program to use for opening the file, choose **Java Web Start Launcher** from the list and click **OK**.
3. The *Configure Software Package* dialog box appears and the package utility is downloaded. Click **Next**.
4. Select **Remote Control Configuration** from the list and click **Launch Config**.
5. The Remote Control Console login screen will appear in the default browser. Use an Avalanche username and password to log in. The only option that must be configured before you deploy the package is

providing the Remote Control **Server** address on the Client Setup screen. Other settings are optional. For information on the other options, see the *Remote Control User Guide*.

INSTALLING THE SKINS EDITOR

The Remote Control Skins Editor installation file installs the utility to edit Remote Control skins.

To install the Remote Control Skins Editor:

1. Obtain the Remote Control Skins editor installation file and save it on the system where you want to install.

2. Double-click the installation file.

A Welcome dialog box appears.

3. Click **Next**.

The License Agreement screen appears.

4. Agree to the terms of the license and click **Next**.

The Select Destination Location screen appears.

5. Click **Next** to accept the default installation folder, or click **Browse** to navigate to a folder of your choice. After you select an installation folder, click **Next** to continue the installation process.

The Select Start Menu Folder screen appears.

6. Click **Browse** to navigate to and select the folder where you want to create Remote Control shortcuts in the Start menu.

7. Click **Next**.

The Ready to Install screen appears.

8. Click **Install** to begin the installation.

The Remote Control Setup Wizard installs the Skins Editor.

9. To close the installation wizard, click **Finish**.



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