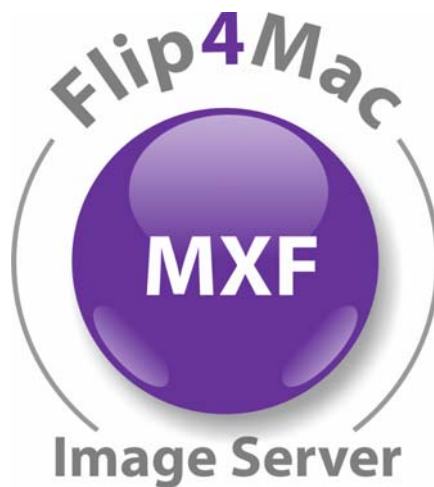


Flip4Mac™

Digital Media Tools for Macintosh



Flip4Mac® Image Server™ Component

Version 2.2



TELESTREAM

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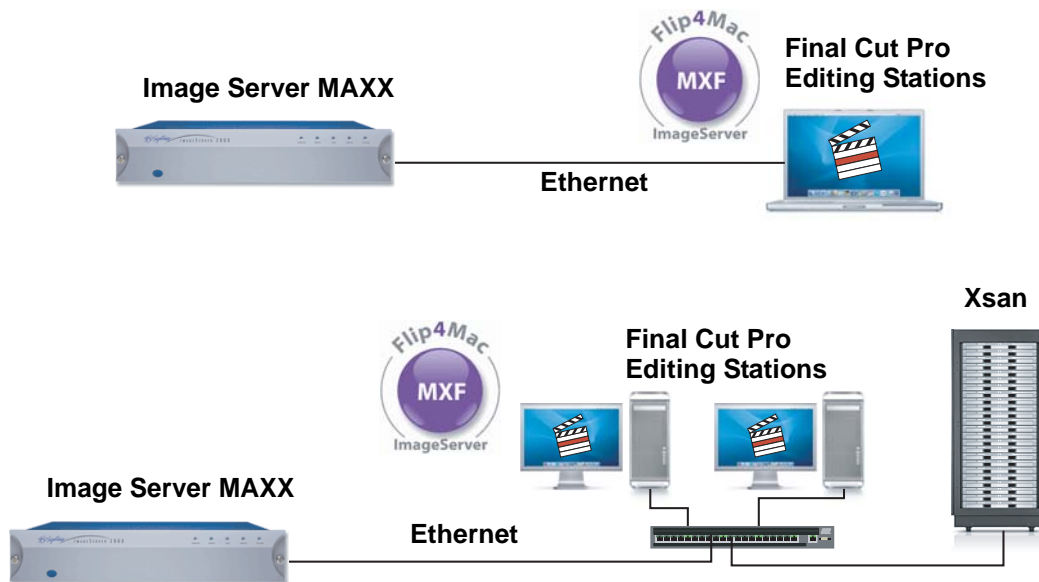
Flip4Mac Image Server Component

Using Telestream's Flip4Mac Image Server Component, Final Cut Pro users benefit from a file-based media workflow. With Flip4Mac Image Server Component, you can ingest MXF files directly from 360 Systems' Image Server MAXX servers directly into Apple's Final Cut Pro editing software for editing MPEG-2 IMX media. Then, export your media project from Final Cut Pro and seamlessly transfer it back to your Image Server MAXX for production payout.

Flip4Mac Image Server Component makes it easy to...

- Browse files of your clips directly on your Image Server
- Import MXF files directly from network-connected Image Servers
- Import MXF files from your Macintosh and network servers
- Ingest IMX media as QuickTime files into Final Cut Pro
- Redefine your workflow to increase your productivity.

Figure 1. Use Flip4Mac Image Server to import & export files on Image Servers, computers, & servers.



Flip4Mac Image Server Component enables Macintosh users to browse, import and export MXF media for quick, easy access – without going to baseband video. This means a faster, all-digital, file-based workflow that provides greater efficiency and productivity for you.

Flip4Mac Image Server Component Features

- Import & export MPEG-2 IMX 30/40/50 media in PAL or NTSC format
- Browse the server clip directory
- Rename imported files during selection
- Transfer files via Gigabit Ethernet connections

Supported Digital Acquisition Systems

- 360 Systems' Image MAXX Servers with optional IMX support

System Requirements

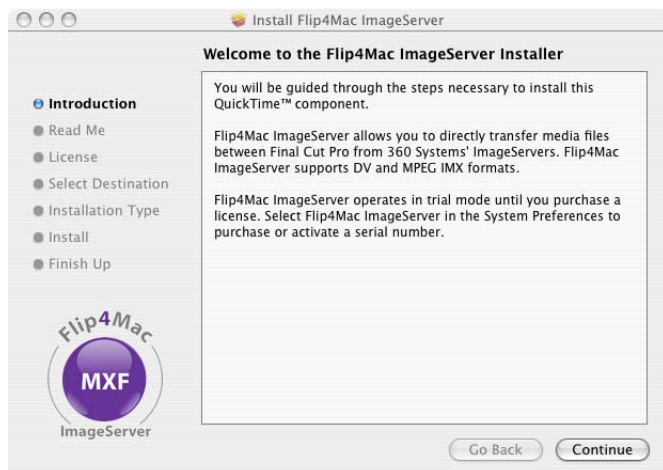
- Mac OS X Version 10.4 or newer on Intel and PowerPC Macintosh platforms
- Final Cut Pro 5 or newer
- QuickTime Version 7.0 or newer

Downloading & Installing

Flip4Mac Image Server is distributed as an Internet-enabled disk image. To download and install Flip4Mac Image Server, follow these steps:

1. Visit www.flip4mac.com and download Flip4Mac Image Server to your Macintosh.
2. When the disk image downloads, the installer runs automatically within Safari.

Figure 2. Flip4Mac Image Server Component Installer Wizard – Welcome panel.



If you have a previous version of Flip4Mac Image Server, this automatically updates your previous version.

Note: *If your Macintosh isn't connected to the Internet, download the Flip4Mac Image Server disk image file to another computer (Macintosh or Windows). Then, move the disk image file (copy over LAN or burn a CD) to your Macintosh and install it.*

Trying Out Flip4Mac Image Server

After installation, Flip4Mac Image Server operates in trial mode until you purchase a license. You're welcome to try out Flip4Mac Image Server for as long as you like.

In trial mode, Flip4Mac Image Server imports & exports the first half of an MXF file, up to 30 seconds in length.

To import or export entire MXF files, you need to purchase and activate a serial number using one of the options described below.

Purchase Options

To purchase Flip4Mac Image Server, choose from these secure purchase options:

Option 1 - Purchase Directly in System Preferences (Page 3). If you're using Flip4Mac Image Server in trial mode and your Macintosh is connected to the Internet, you can purchase a serial number directly from System Preferences. When the purchase is complete your serial number is automatically activated.

Option 2 - Purchase from Flip4Mac Web Site (Page 4). Choose this option if:

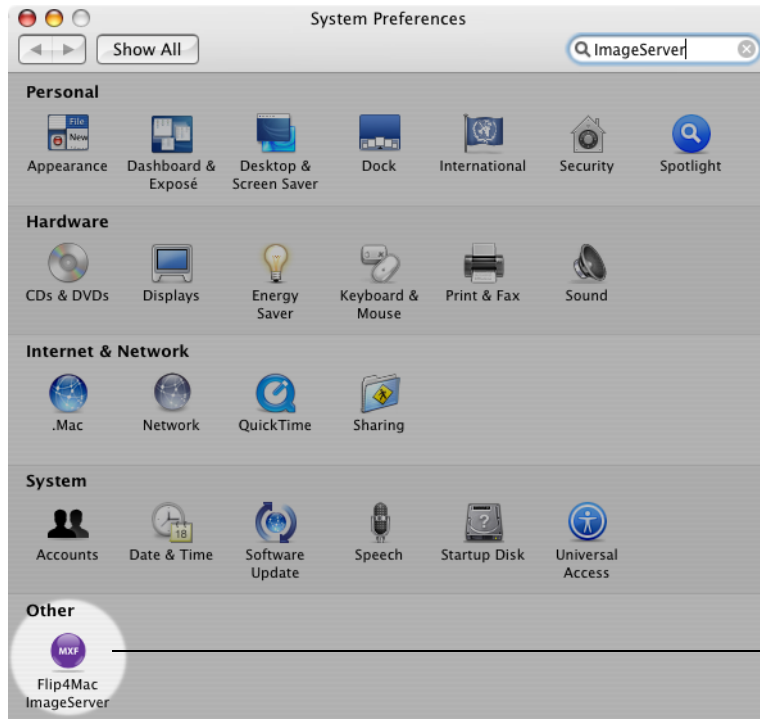
- You haven't installed a trial version of Flip4Mac Image Server yet
- You prefer to use a Web site to purchase your license
- Your Macintosh isn't connected to the Internet.

Purchase Directly in System Preferences

If your Macintosh is connected to the Internet and you've installed Flip4Mac Image Server, you can purchase a license and activate it directly in the system preferences. Follow these steps:

1. Open Applications > System Preferences to display the Flip4Mac Image Server preferences panel

Figure 3. Use System Preferences to purchase Flip4Mac Image Server directly.



Click Flip4Mac MXF to display the preferences panel.

2. Click the Flip4Mac Image Server icon (in *Other* row at bottom) to display the Flip4Mac Image Server panel.

Figure 4. Click Purchase License to go to the secure Flip4Mac online store.



Click Purchase License to display the secure Flip4Mac online store. (If Purchase license is not active, check the security icon below to make sure its unlocked.)

If the security icon is locked, click to unlock it.

3. If the panel is locked, click the lock and provide credentials to unlock it.
4. Click Enter Serial Number to display the secure Flip4Mac online store.

5. Click Start and the Purchase Wizard will guide you through the secure purchasing process.

When the purchase is complete the serial number is automatically installed and your software is activated. You should print the receipt before closing the wizard. When you license Flip4Mac Image Server, you can import MXF files without file size or duration limits.

You will also receive an order confirmation via email that contains the serial number. Save the receipt in case you ever need to re-install the software.

Purchase from the Flip4Mac Web Site

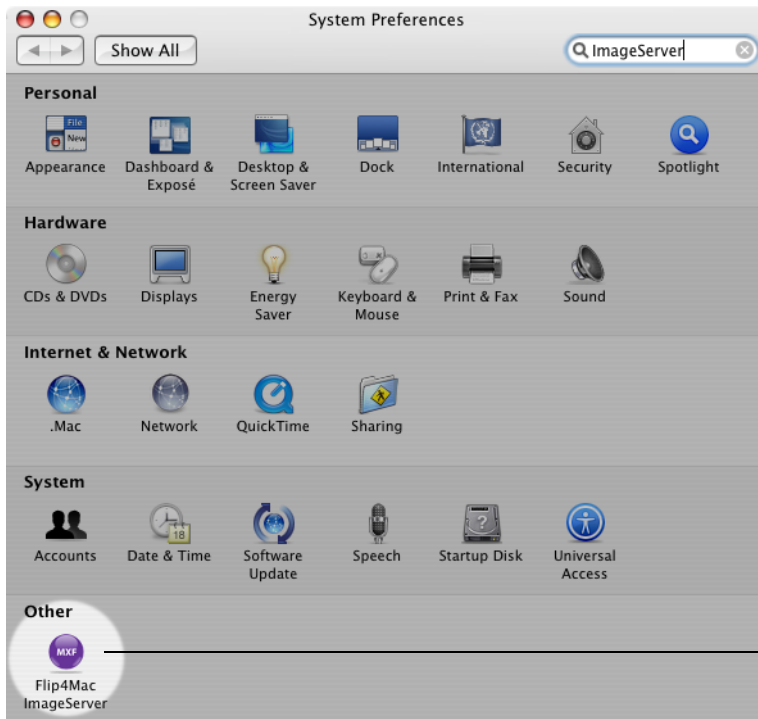
To purchase from the Flip4Mac site, follow these steps:

1. Go to www.flip4mac.com and click Buy to display the Flip4Mac secure online store. Follow the instructions to purchase the license.

When the purchase is complete, you will receive an order confirmation via email that contains the serial number. When the email arrives (usually momentarily), continue.

2. Open Applications > System Preferences and click the Flip4Mac Image Server icon (in the *Other* row at the bottom) to display the Flip4Mac Image Server preferences panel.

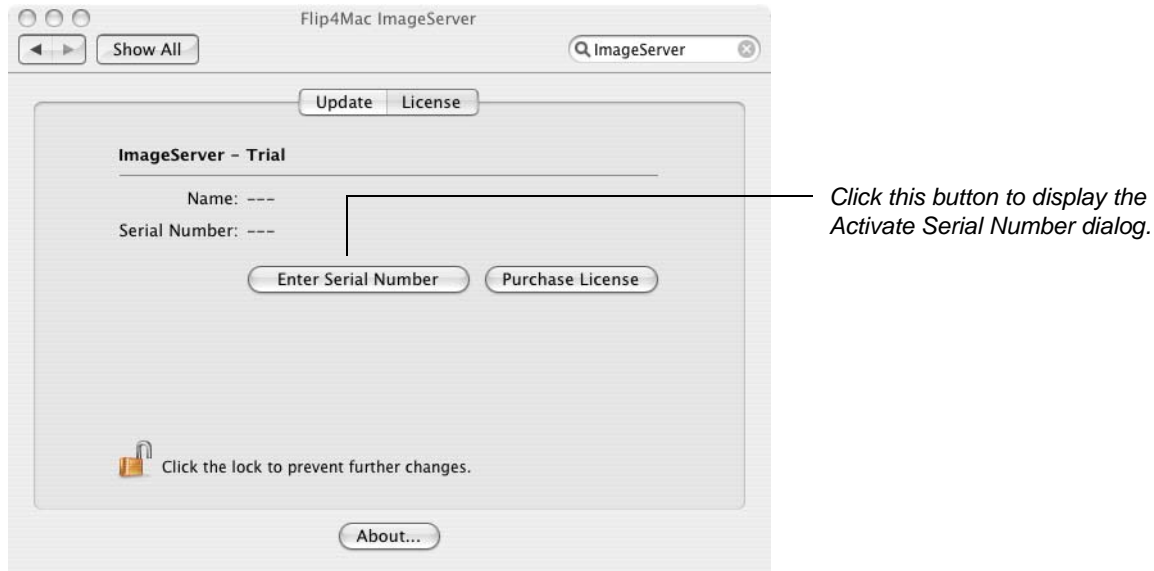
Figure 5. Use System Preferences to purchase activate Flip4Mac Image Server.



Click this icon to display the Flip4Mac MXF preferences panel.

3. Click the Flip4Mac Image Server icon (in *Other* row at bottom) to display the Flip4Mac Image Server panel.

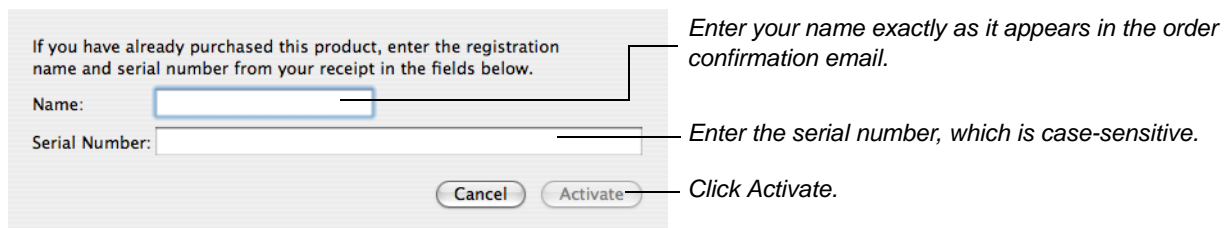
Figure 6. Click Enter Serial Number to display the Activate Serial Number dialog.



4. If the panel is locked, click the lock and provide credentials to unlock it.

5. Click Enter Serial Number to display the Activate Serial Number dialog.

Figure 7. Enter your name and serial number to activate Flip4Mac Image Server.



6. In the Name field, enter your name just as it is printed in the order confirmation email.

7. In the Serial number field, enter the serial number from the order confirmation email. (There are no alphabetic O's in the serial number. The serial number only contains numeric zeroes.)

8. Click Activate.

If your Macintosh is on the Internet, the serial number is validated and the software is activated. When you license Flip4Mac Image Server, you can import and export MXF files without file size or duration limits.

You should print the receipt before closing the wizard. You will also receive an order confirmation via email that contains the serial number. Save the receipt in case you ever need to re-install the software.

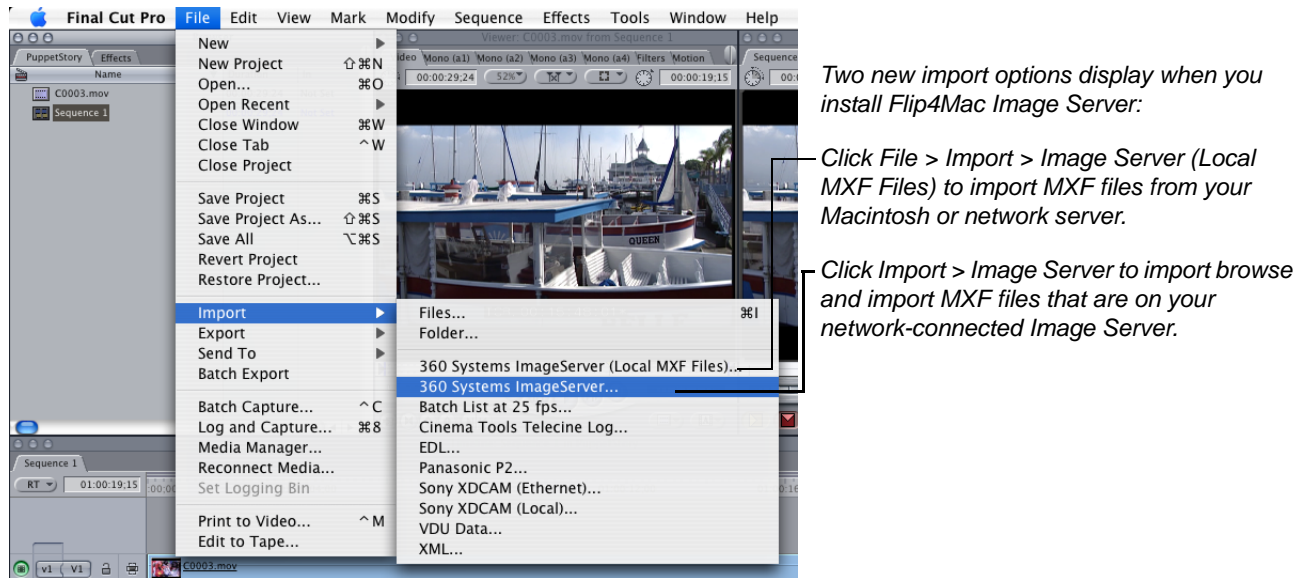
Note: If your Macintosh is not connected to the Internet, go to www.flip4mac.com/pdfs/wmv_purchase.pdf and review the manual activation section to learn how to activate your software.

Importing Media into Final Cut Pro

Flip4Mac Image Server allows you to import IMX 30/40/50 in PAL or NTSC format files directly into Final Cut Pro as QuickTime movies. With Flip4Mac Image Server installed, two new menu items are added to the Import menu:

- 360 Systems Image Server (Local MXF Files)
- 360 Systems Image Server

Figure 8. You can import MXF files from Image Servers or computers.



Here's how to import files from a connected Image Server (detail on [Page 7](#)):

1. Select File > Import > Image Server
2. Connect to the Image Server
3. Choose a destination for the new QuickTime files
4. Browse and select the MXF files you want to import
5. Import them into Final Cut Pro as QuickTime movies.

After you connect to the Image Server, the process of importing MXF files directly from an Image Server is the same as importing MXF files from a computer.

Here's how to import files from a computer (details on [Page 8](#)):

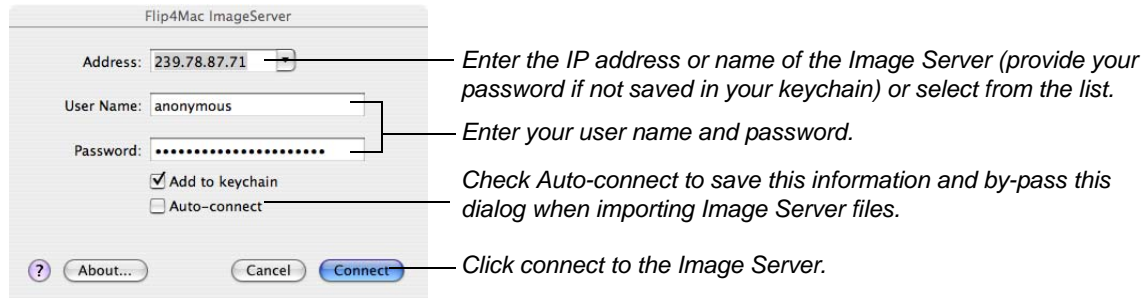
1. Select File > Import > Image Server (Local Files)
2. Choose a destination for the new QuickTime files
3. Browse and check the MXF files you want to import
4. Import them into Final Cut Pro as QuickTime movies.

Importing Files from an Image Server

To import files (or proxies) directly from an Image Server that is attached via Ethernet (directly or via LAN), follow these steps:

1. Select File > Import > Image Server to connect to the Image Server.

Figure 9. Use the Image Server connect dialog to connect to your Image Server.



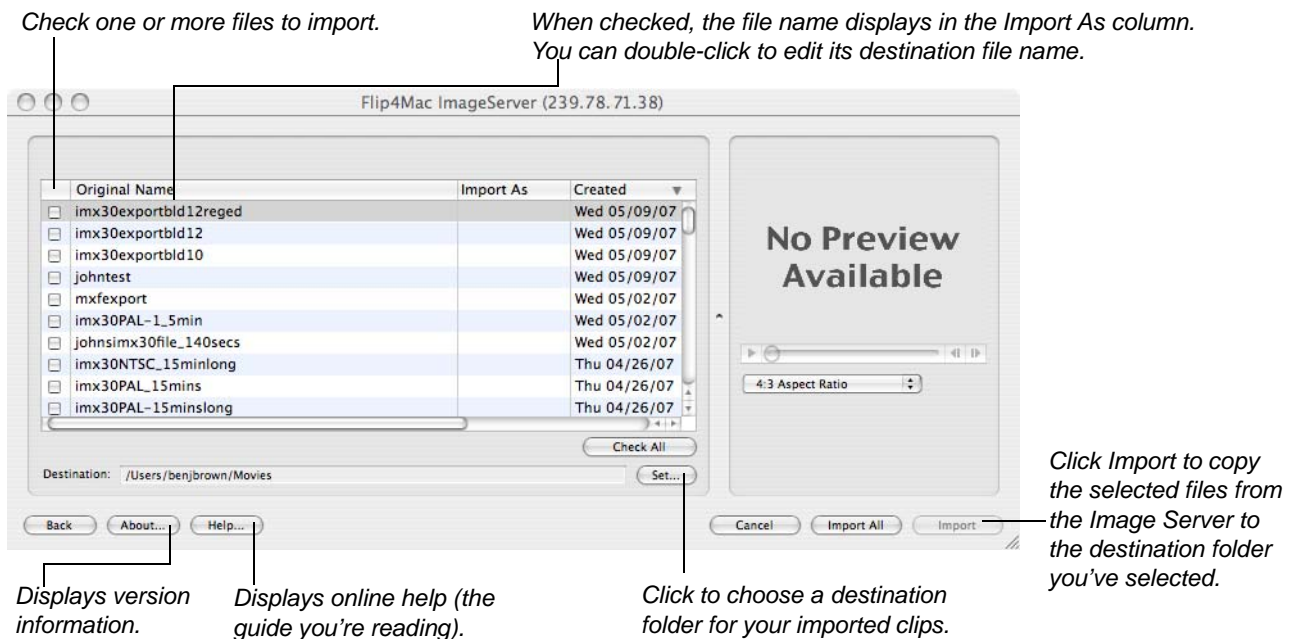
2. **Connect to the Image Server.** To connect to an Image Server you use frequently, select it (by IP address or domain name) from the Address list (displays recently connected Image Servers).

To connect to an Image Server for the first time, enter the IP address or domain name (assigned by your network administrator) and provide the user name and password, then click Connect. Only one connection is allowed, so if another computer is currently connected, you'll be notified.

Note: To save your password, check Add to Keychain. To automatically connect to this Image Server each time you select Import > MXF from Image Server, check Auto-connect. If the Image Server is not connected – or the IP address, user name, or password is incorrect – you'll be notified of the error. Correct the problem and retry.

When you connect, the files on the Image Server display in the list. A preview panel displays on the right.

Figure 10. Use the Import dialog to import files from your Image Server.



3. **Browse and Check Files to Import.** When a file on the Image Server is checked, the destination file name displays in the Import As column – you can double-click it to change the file name when saved.

4. **Choose a Destination.** Click Destination and select the folder for the imported files. You can save the files directly on your hard drive, or another computer or server on the LAN.

5. **Import Files as QuickTime Movies.** To import and convert the checked files, click Import.

Flip4Mac Image Server copies each checked file, automatically converts it to a QuickTime movie (.mov) file, and saves the files in the destination folder. During conversion, Flip4Mac Image Server displays a progress dialog. As each file completes, it is added to the Final Cut Pro bin.

Note: *Movies with the mxf suffix may be encoded in IMX format.*

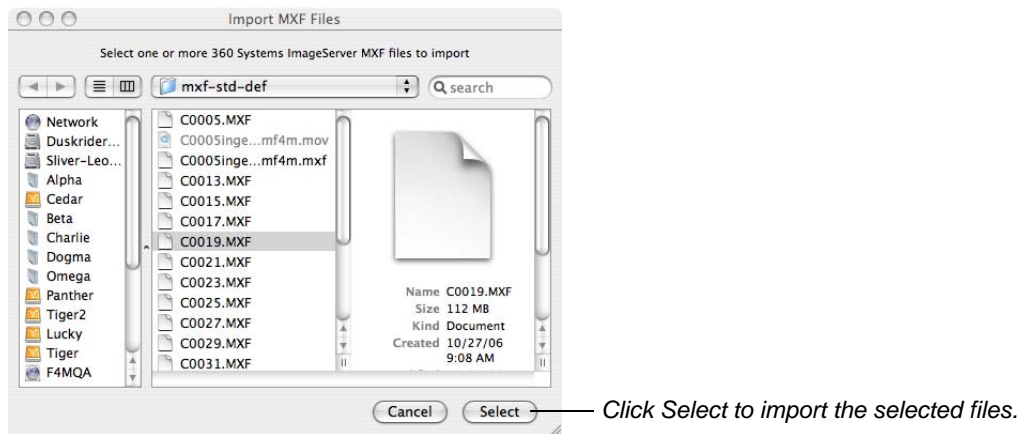
In trial mode, Flip4Mac Image Server imports the first half of an MXF file, up to 30 seconds in length.

Importing Image Server MXF Files from a Computer or Server

To import Image Server MXF files that are stored on your computer or server on the LAN, follow these steps:

1. Select File > Import > Image Server (Local MXF Files) to display the Import MXF dialog.

Figure 11. Use the Import MXF dialog to locate and select files to import.

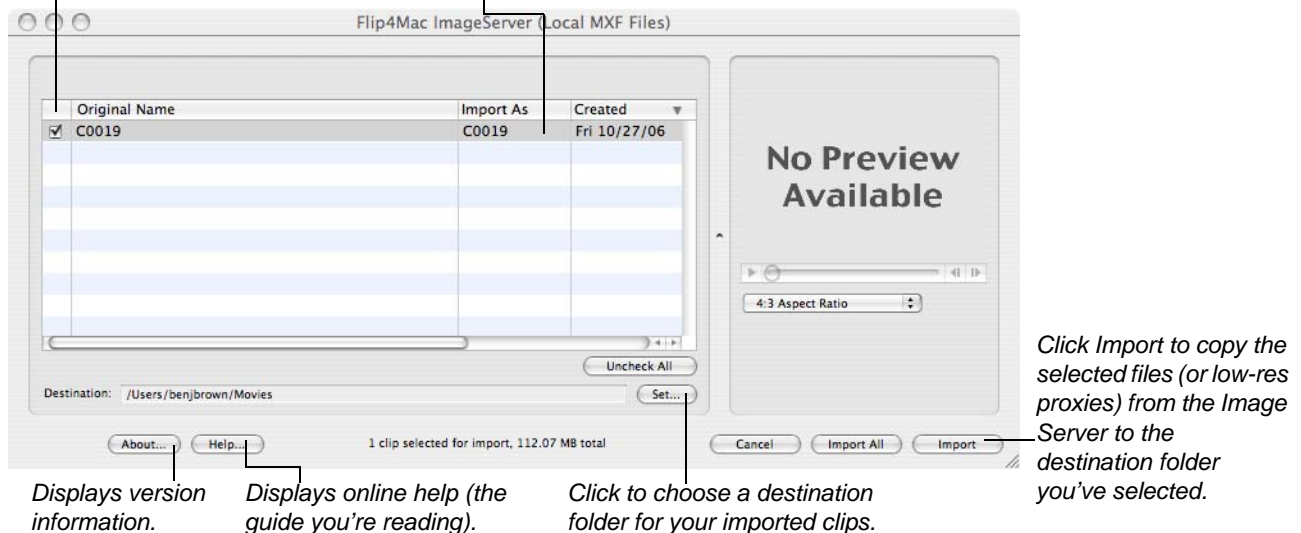


Locate the Image Server MXF files on your computer or server. Select the files you want to import, and click Select.

Figure 12. Use the Import dialog to import MXF files from a computer.

Check one or more files to import.

When checked, the file name displays in the Import As column. You can double-click to edit its destination file name.



2. **Browse and Check Files to Import.** When a file is checked, the destination name displays in the Import As column – double-click it to change the import file name.
3. **Choose a Destination.** Click Destination and select the folder for the imported files. You can save the files directly on your hard drive, or another computer or server on the LAN.
4. **Import Files as QuickTime Movies.** To import and convert the checked files, click Import. Flip4Mac Image Server copies each checked file, automatically converts it to a QuickTime movie (.mov) file, and saves the files in the destination folder. During conversion, Flip4Mac Image Server displays a progress dialog. As each file completes, it is added to the Final Cut Pro bin.

Note: *Movies with the.mxf suffix may be encoded in IMX format.*

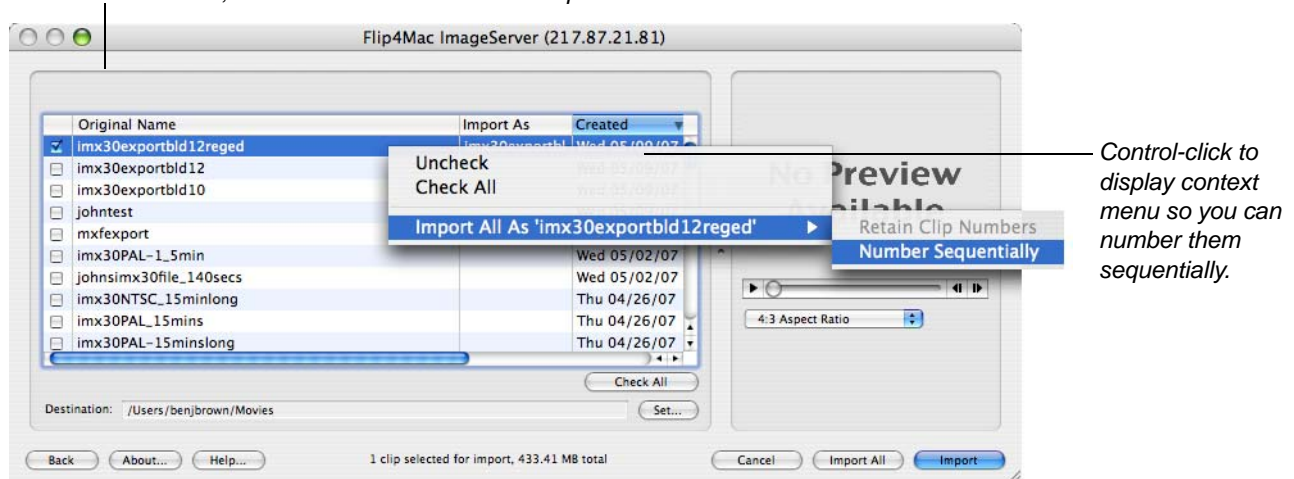
In trial mode, Flip4Mac Image Server imports the first half of an MXF file, up to 30 seconds in length.

File Naming Options

When you are importing several clips, you can rename them as they are imported. Control-click in the Import dialog's file list to choose file naming options.

Figure 13. Change how your clips are named when they are imported.

When checked, double-click the name in the Import As column to edit its destination file name.



Check All / Uncheck All. Select to check or uncheck all files in this folder.

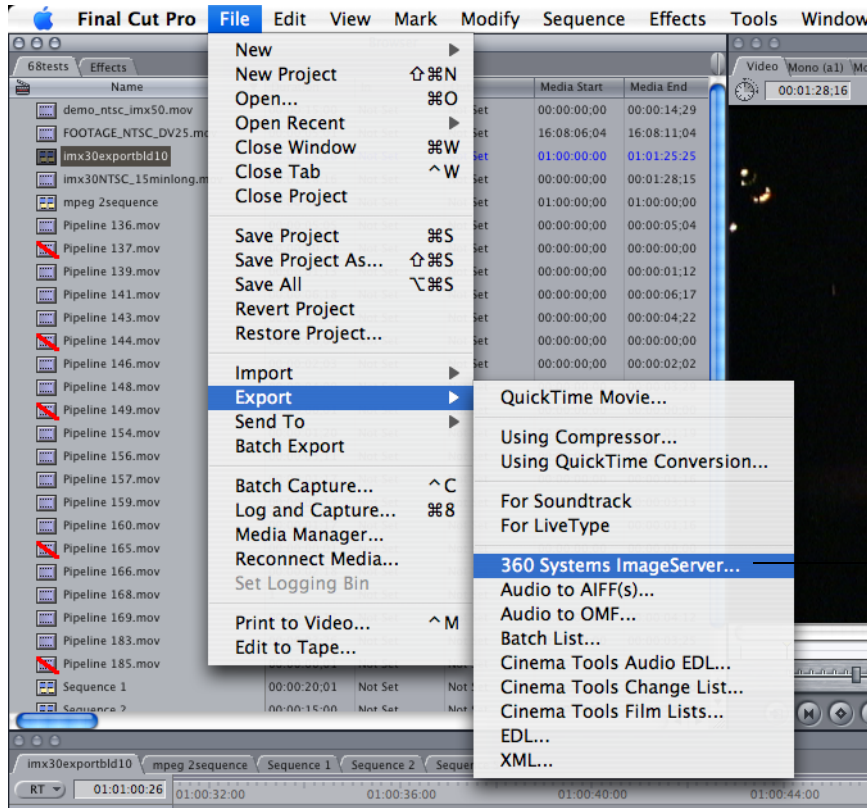
Import All > Number Sequentially. Check the first clip you want to import and change its Import As file name. Then, check the other clips to import. Control-click on the clip whose name you've changed (or any checked clip if unchanged) and select Number Sequentially to automatically modify the Import As file names of all checked clips, and append a unique numeric suffix beginning at 1 and incrementing by one for each checked clip.

Exporting Media from Final Cut Pro

Flip4Mac Image Server allows you to export media you've rendered as IMX directly from Final Cut Pro into an Image Server as an MXF file. With Flip4Mac Image Server installed, a new menu item is added to the Export menu:

- Image Server

Figure 14. You can export rendered IMX media directly to Image Servers as MXF files.



A new export option displays when you install Flip4Mac Image Server:

Click Export > Image Server to export rendered IMX media to your networked Image Server.

Here's how to export a rendered sequence as an MXF file to an Image Server (detail on [Page 11](#)):

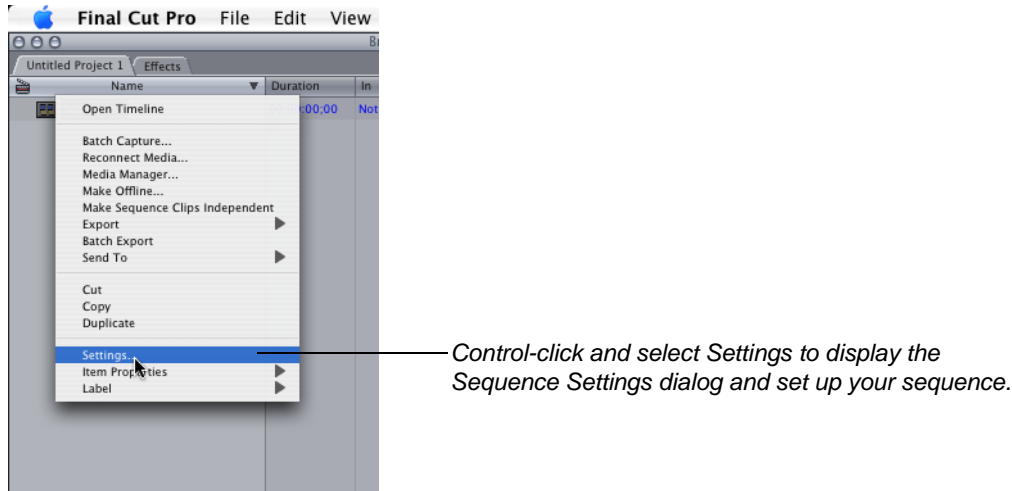
1. Select an IMX preset for your sequence
2. Select a compressor and adjust audio settings as necessary
3. Render the sequence
4. Connect to the Image Server
5. Export the rendered sequence as an MXF file to the connected Image Server.

Exporting MXF Files to Image Server Systems

To export a rendered sequence as an MXF file to an Image Server that is attached directly or via LAN, follow these steps:

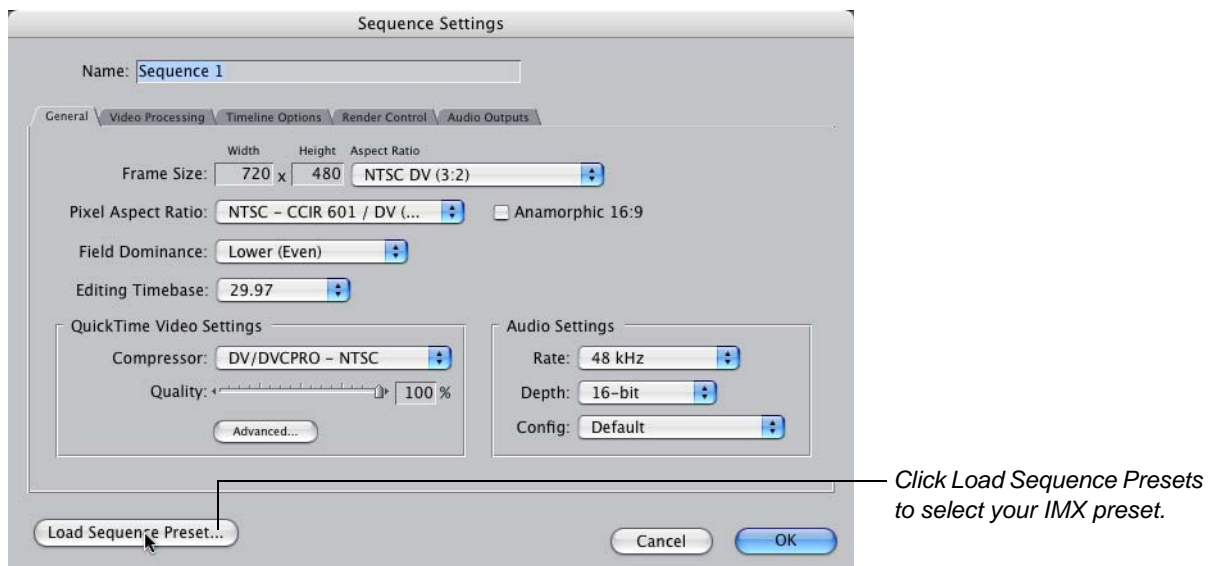
1. Control-click your sequence and select Settings.

Figure 15. Select Settings from the Sequence menu to display the Sequence Settings dialog.



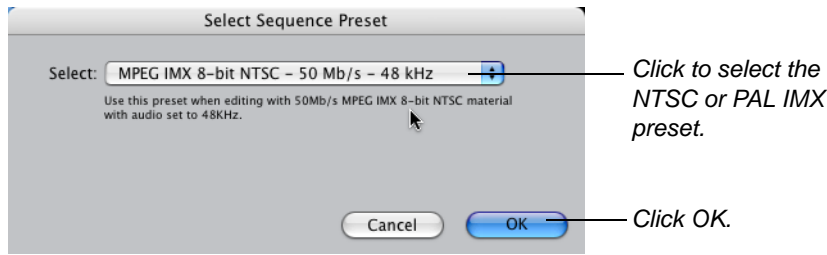
Final Cut Pro displays the Sequence Settings dialog.

Figure 16. Use the Sequence Settings dialog to select and configure your IMX sequence settings.



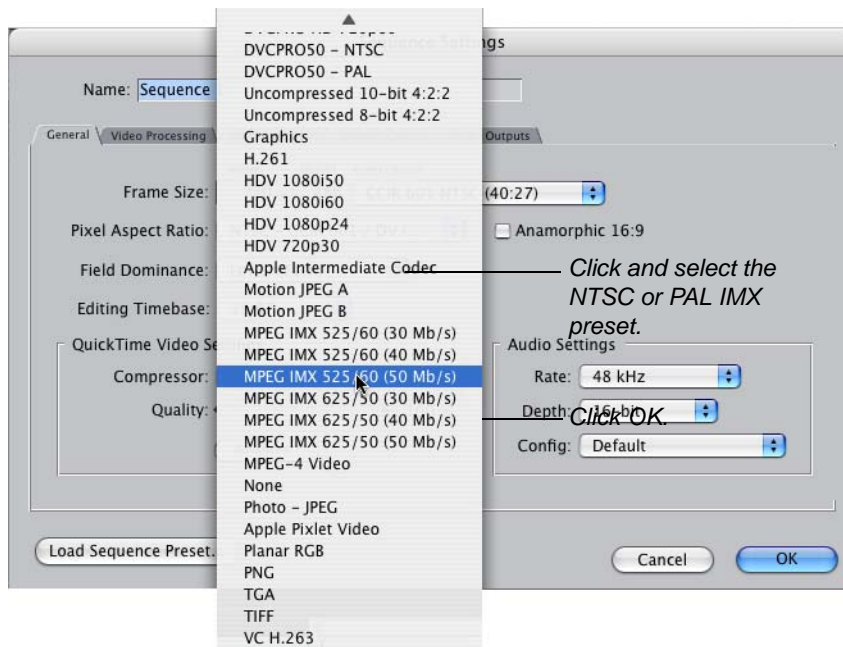
2. **Load an IMX Sequence Preset.** On the General tab, click Load Sequence Presets to display the Select Sequence Preset dialog.

Figure 17. Click Load Sequence Presets to display the Sequence Settings dialog.



3. **Select a Preset.** Select the NTSC or PAL IMX preset and click OK.
4. **Select the Compressor.** To change the bit rate from the default 50 mbps, click the Compressor dropdown menu and select another compressor: 30, 40, or 50 mbps.

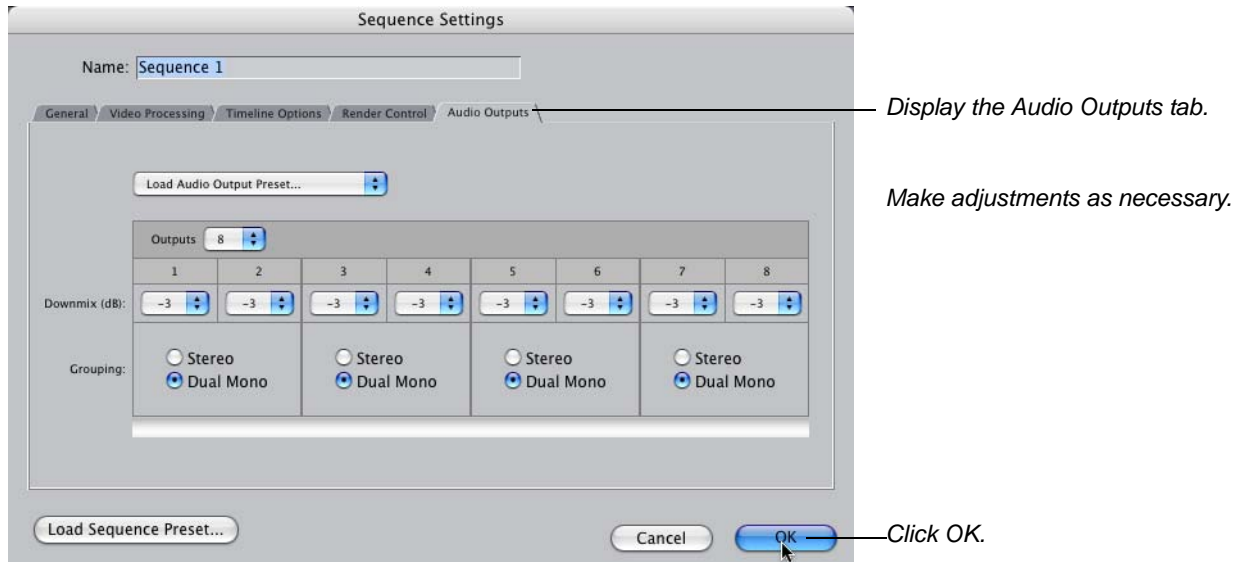
Figure 18. Select the compressor by NTSC (525/60) or PAL (625/50) and bit rate.



Flip4Mac Image Server provides NTSC (525/60) or PAL (625/50) in 30, 40, or 50 mbps. Select the IMX bitrate for this sequence. (The 525/60 compressors are NTSC; the 625/50 compressors are PAL.)

5. **Select Audio Settings.** Click the Audio Outputs tab (far right) to adjust audio channel settings.

Figure 19. Display the Audio Outputs tab to adjust audio channel settings.



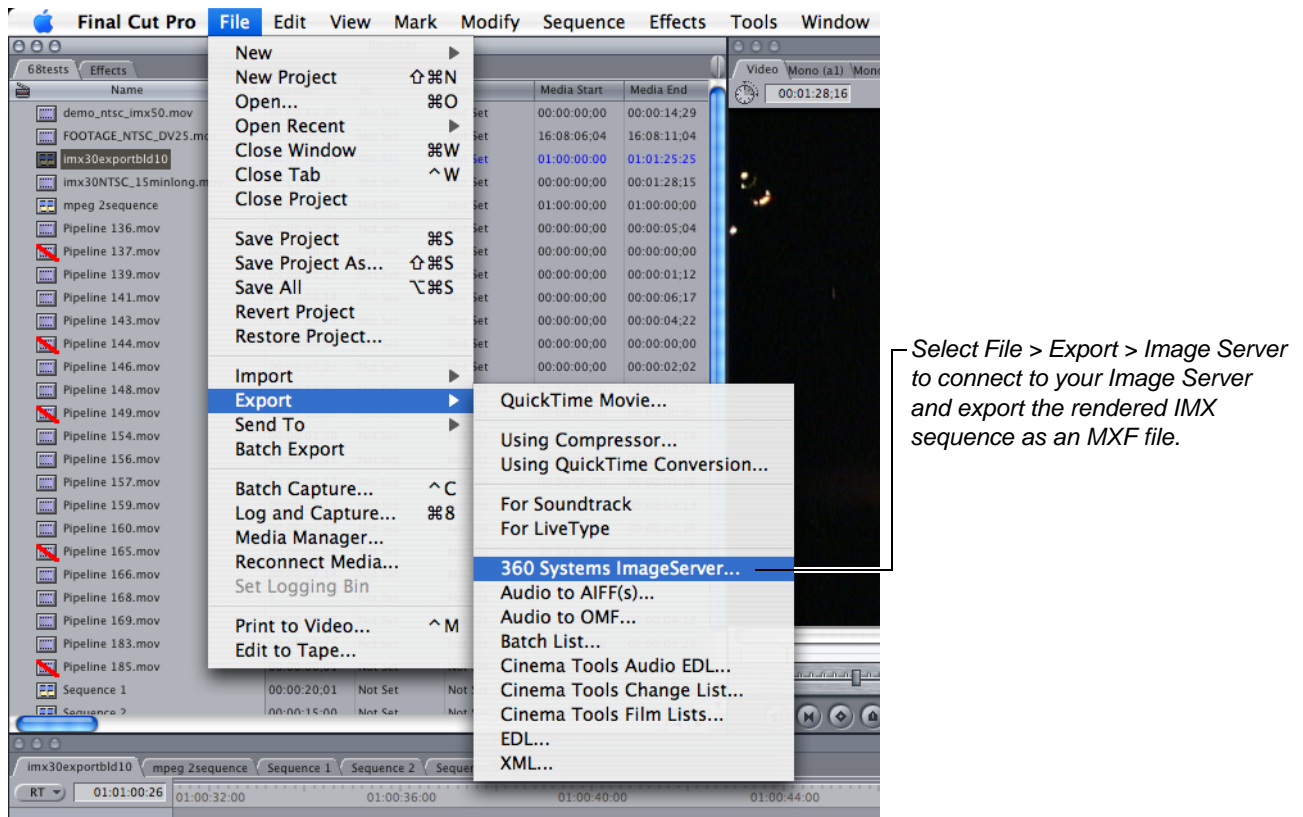
6. **Audio Settings.** Select up to 8 channels and choose Stereo or Dual Mono for each; then click OK.

Final Cut Pro displays an audio device support warning. Click OK to dismiss the warning and continue.

7. **Render the Sequence.** After performing your edits, render the sequence as IMX.

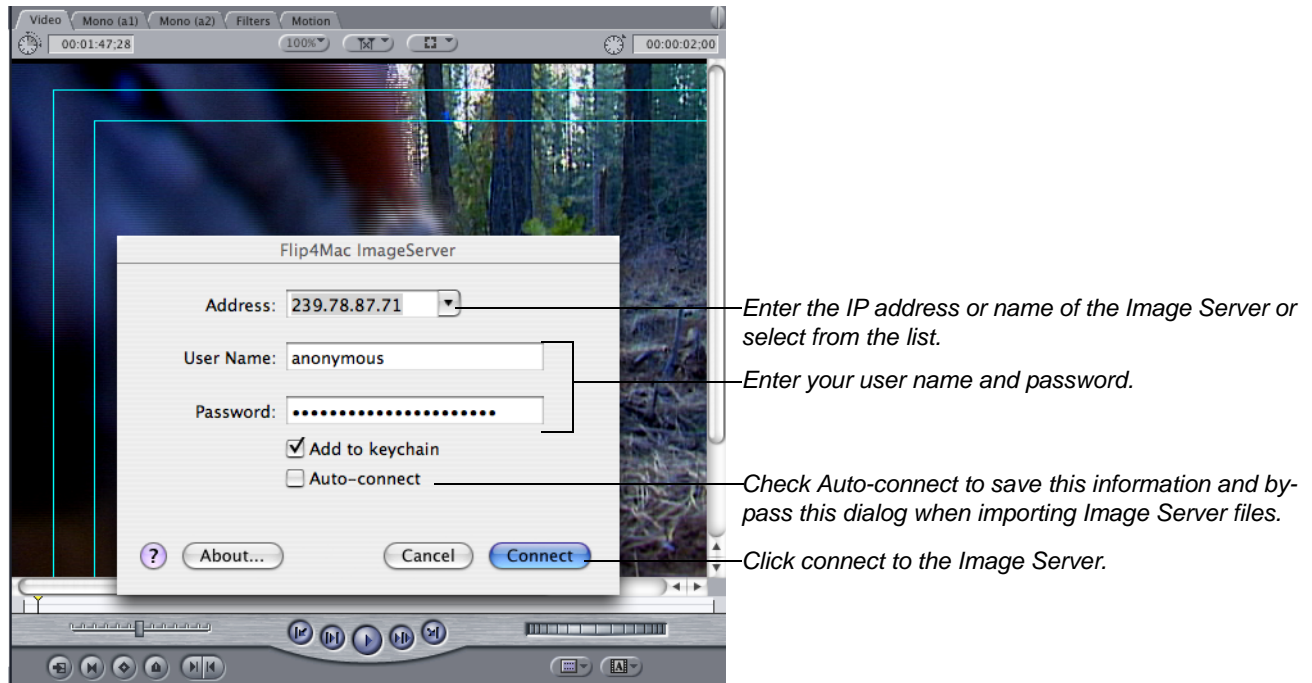
8. **Export the MXF File.** After the sequence has been rendered, select Export > Export to Image Server.

Figure 20. Use the Image Server connect dialog to connect to your Image Server.



9. Final Cut Pro displays the Flip4Mac Image Server connection dialog:

Figure 21. Use the Image Server connect dialog to connect to your Image Server.



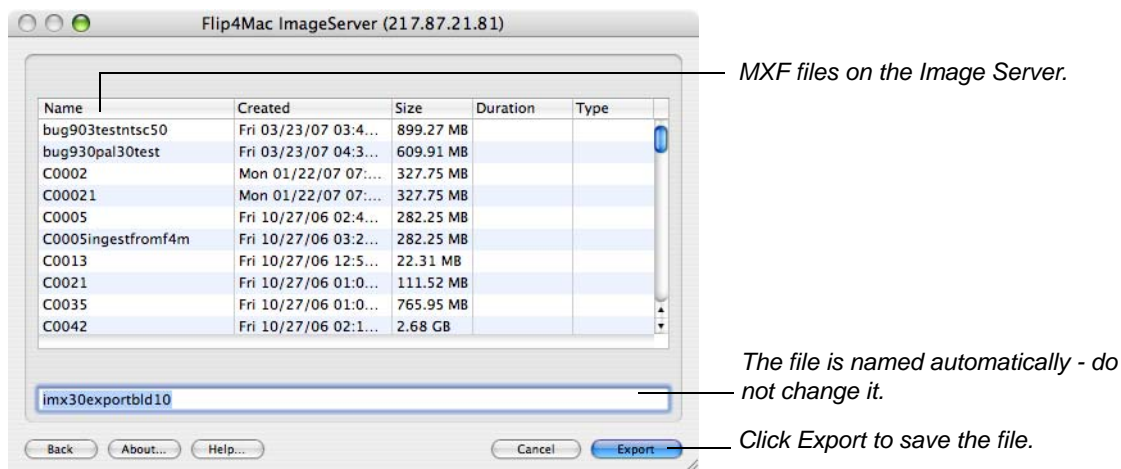
10. Connect to the Image Server. To connect to an Image Server you use frequently, select the Image Server (by IP address or domain name) from the Address list (displays recently connected Image Servers).

To connect to an Image Server for the first time, enter the IP address or domain name (assigned by your network administrator) and provide the user name and password, then click Connect. Only one connection is allowed, so if another computer is currently connected, you'll be notified.

Note: To save your password, check Add to Keychain. To automatically connect to this Image Server each time you select Import > MXF from Image Server, check Auto-connect. If the Image Server is not connected – or the IP address, user name, or password is incorrect – you'll be notified. Correct the problem and retry.

When you connect, the files on the Image Server display in the list. A preview panel displays on the right.

Figure 22. Use the Export dialog to save the MXF file on your Image Server.



11. Click Export. Click Export to save the rendered IMX sequence as an MXF file on the Image Server.

Troubleshooting Networking Problems

If you can't ping the Image Server, check these potential causes:

Verify that your IP address on the Macintosh and the target Image Server are identical for the first 3 sets of numbers (called *octets*), and the last octet is unique for each computer and Image Server. All octets must be in the range of 1 to 255. The subnet mask should typically be class C – set to 255.255.255.000. Other subnet mask settings are permitted, but should be directed by a network administrator.

Verify that the cable you are using for a direct connection is a cross-over Ethernet cable, unless your Macintosh has an auto-sensing port. Test the cable in a known good environment.

If you're using a hub, make sure the hub is on and operational, and each connected port's link light is lighted. If connecting via corporate network, make sure the cables are connected to the network gear. Test your Macintosh's connectivity by displaying a Web page.

If you can ping the Image Server but can't connect, verify the user name and password are correct.

Uninstalling Flip4Mac Image Server Component

To uninstall Flip4Mac Image Server, quit Final Cut Pro and any other QuickTime applications.

Open the Library > QuickTime folder and drag the Flip4Mac Image Server.component file to the Trash.

Open the Library > PreferencePanels folder and drag the Flip4Mac Image Server.prefPane file to the Trash.

Open the Library > Application Support > Final Cut Pro System Support > Plug-ins folder and drag the Flip4Mac MXF Image Server.bundle to the Trash.

The serial number remains on your Macintosh, for use if you re-install the software.

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Obtaining Support and Information

To learn more about Flip4Mac Image Server Component or find out how other professionals are using it, go to www.flip4mac.com and click the forum button. The Flip4Mac forum is used by people interested in all aspects of media. You can read FAQs, search for specific topics, and participate in lively discussions.

You can also join the forum and post your question so that another Flip4Mac user or support engineer may respond.

Send email to supportf4m@flip4mac.com for product support, assistance, or to report issues.

When you post a question to the forum or request support, please include your Mac OS X version and QuickTime version.

Limited Warranty and Disclaimers

Telestream, Inc. warrants to you, as the original licensee only, that the software you licensed will perform as stated below for a period of one (1) year from the date of purchase of the software:

The software will operate in substantial conformance with its specifications as set forth in the applicable product user guide/published specifications/product description. Telestream does not warrant that operation of the software will be uninterrupted or error-free, will meet your requirements, or that software errors will be corrected. Telestream's sole liability in this Limited Warranty shall be to use reasonable commercial efforts to bring the Software's performance into substantial conformance with the specifications in the applicable product user's guide/ published specifications/product description.

Limitations of Warranties

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