

# Instructions for Configuring and Using the SAFARI Montage® Multi-Format Auto Converter Module

~ Please read these instructions in their entirety before you begin. ~

These instructions explain how to configure and use the SAFARI Montage Multi-Format Auto Converter Module. The H.264 Auto Converter is a software module designed to convert SAFARI Montage CreationStation® video formats to the SAFARI Montage Managed Home Access (MHA) standard.

## **Before You Begin:**

- These instructions are for **SAFARI Montage version 4.3.x or greater** operating on **FreeBSD® 7.2 or greater** platform.
- The **SAFARI Montage Multi-Format Auto Converter Module** must be active on the server.
- SAFARI Montage Technical Support is available Monday – Friday from 8 a.m. to 6 p.m. Eastern Standard Time, and may be contacted by telephone at 800-782-7230 or online via <http://www.safarimontage.com/support>.

## **Configuration:**

1. Navigate to the **Settings** page for the Auto Converter (**Admin > Auto-Converter > Settings**).

Settings	
Enable:	<input checked="" type="checkbox"/> (WMV, H.264, MPEG1)
Manually Add To Queue:	<input checked="" type="checkbox"/> (Turns off automatically adding to queue during creation upload)
CPU Usage:	1 CPU Only
Audio Settings	
Channels:	mono
Bitrate:	32k
Sampling Frequency:	22050 Hz
Managed Home Access/iPod® Compatibility Video Settings	
Preset Encoding Quality:	Normal
Frame Rate:	24 Hz
Keyframes:	every 8 seconds
Frame Size:	Original
Bitrate:	300 kb/s (Recommended)
Bitrate Tolerance:	300 k
Hinting Settings	
Type:	RTP/RTSP
Max Transmission Unit:	1024 bytes

2. Configure the settings. Below is a list of configurable settings and a description of each setting.

Setting	Condition	Description
Enable	Enabled (checked) Disabled (unchecked)	Enables or disables the converter module. The default condition is set to enabled.
Manually Add To Queue	Enabled (checked) Disabled (unchecked)	Enables or disables the manual queuing of uploaded video files for conversion. The default condition is set to disabled, and video files will be automatically queued as they are uploaded into SAFARI Montage CreationStation.
Preset Encoding Quality	Normal High Quality	Presets for video file encoding quality
Frame Size	Original 320x240 (QVGA)	Set the frames size of the video files being converted. The default setting is set to 320x240 (QVGA). <b>Note:</b> The Original setting will retain the resolution of the source video used for conversion.
Bitrate	300 kb/s (Recommended) 800 kb/s (Better Quality) 1.6 mb/s (High Quality)	Set the bitrate (bandwidth) of the converted video file. <b>Note:</b> The higher the setting, the better the video quality; however, this will increase bandwidth requirements.

3. Click on the **Update** button to save the changes.

**Using (Manually Add to Queue Disabled):**

**Note:** This method will automatically queue uploaded video files for conversion.

1. Upload an eligible video file format into SAFARI Montage CreationStation. Eligible video file formats are as follows:

- .wmv (Microsoft® Windows® Media Video)
- .mp4 (MPEG-4 Part 10 / H.264)
- .mpg (MPEG-1)
- .f4v (Video for Adobe® Flash® Player / H.264)

File conversion will begin once the upload is complete. Use the Convert Queue to check the status of the file conversion. More information about the Convert Queue is available under **Convert Queue** of this document.

**Using (Manually Add to Queue Enabled):**

1. Upload an eligible video file format into SAFARI Montage CreationStation. Eligible video file formats are as follows:

- .wmv (Microsoft Windows Media Video)
- .mp4 (MPEG-4 Part 10 / H.264)
- .mpg (MPEG-1)
- .f4v (Video for Adobe Flash Player / H.264)

2. Upon “Upload Successful,” click on **Formats** from the left-hand navigation.




The screenshot shows the CreationStation™ interface. On the left, the navigation menu is expanded to 'Formats', which is circled in red with an arrow pointing to it. The main content area displays a green 'Upload Successful!' message. Below the message, there is a section titled 'The next step I would like to be complete:' followed by a table of tasks. The table has two columns: 'Completed' and 'Task'. The tasks listed are: 'Add Descriptive Information and Rights Management', 'Add Attachments/Guides', 'Add Quiz Questions', 'Add Standard Correlations', 'Add Subject References', and 'Segment Media'. Each task has a checkbox in the 'Completed' column, all of which are currently unchecked.

3. Click on the “add to auto-convert” link located under the **Delete** icon.

The screenshot shows the CreationStation™ interface with the 'Media Formats' section active. The left navigation menu is expanded to 'Formats'. The main content area shows a table titled 'Formats for Wildlife'. The table has one row with the following information: '(Uploaded File: Wildlife.wmv)', 'This title has not been auto-converted.', and a 'Delete' icon (a red X). Below the 'Delete' icon, the text 'add to auto-convert' is circled in red with an arrow pointing to it.

The video title is added to the Convert Queue for file conversion. Use the Convert Queue to check the status of the file conversion. More information about the Convert Queue is available under the **Convert Queue** heading of this document.

### Convert Queue

Administrators may check the status of a file conversion by navigating to **Admin > Auto-Converter > Convert Queue**. The Convert Queue will list all the video files to be converted. The queue can be reordered by clicking on the **Up/Down** (  /  ) arrows to the left of the video title. Individual video files can be removed from the queue by clicking on the **Delete** (  ) icon. In addition, the complete queue can be cleared by clicking on the **Clear Queue** link located at the top of the queue.

[Clear Queue](#) | [Add All Non-Converted](#)

Results 1 to 4 of 4						
Edit Order	Format	Size	Title	Status	Queued	Clear
		26.2 MB	Wildlife Test 1 [Administrator (Default)]	converting	September 21, 2011 12:23:30 PM	
		13.9 MB	Wildlife Test 2 [Administrator (Default)]		September 21, 2011 12:23:42 PM	
		42.1 MB	Wildlife Test 3 [Administrator (Default)]		September 21, 2011 12:23:54 PM	
		---	Wildlife Test 4 [Administrator (Default)]		September 21, 2011 12:24:10 PM	

Once conversion is complete, the queue entry will be removed, and a new MHA ready video will be available for use. The new video format is listed on the file information page of the original video file.

CreationStation™ • **Edit Information** Active Playlist [6 items]: [Import of The Human Heart](#)

Title:

Media Type: Video  
 Running Time: 30 sec  
 Media Format: (Uploaded File: Wildlife.wmv) (original file) (Uploaded File: Wildlife.wmv) (converted file)

Descriptive Information | Rights Management | Licensed Media

Description:   
 Max. Description Length: 1,000 characters

Grade Range:  to

Copyright:

### Add All Non-Converted

The Add All Non-Converted function allows administrators to convert all eligible videos already on the server at once. To perform this action, navigate to **Admin > Auto-Converter > Convert Queue** and click on the **Add All Non-Converted** link, located at the top of the queue. **Note:** This operation will use server resources and take time to complete. It is recommended that this operation be performed during off hours so not to disrupt server performance.

### Support:

For assistance with SAFARI Montage or the SAFARI Montage Multi-Format Auto Converter Module, please contact SAFARI Montage Technical Support by calling (800) 782-7230 or by visiting <http://www.safarimontage.com/support>.