

Apple Compressor 4

Detailed Video Training Outline

Chapter 1 - Get Started

- 01.01 Welcome
 - An overview of this entire training
 - Trouble-shoot Compressor 4
 - List of the chapters in this training
 - Websites to go to learn more
- 01.02 Compression Basics
 - Define basic compression terms
 - Explain basic compression concepts
- 01.03 A Compression Workflow
 - Provide a quick overview of what's possible with compression
 - Set out a basic compression workflow
- 01.04 Pick the Right Codec
 - Explain how to pick the best codec for a particular task
 - List typical codecs, with advantages and disadvantages

Chapter 2 - Learn the Interface

- 02.01 Chapter Introduction
 - An overview of the material covered in this chapter
 - A list of the movies in this chapter
- 02.02 Overview of the Interface
 - Define key interface terms
 - Provide an orientation to the interface
 - Introduce the five main windows in Compressor
 - Introduce the Toolbar and other interface elements
- 02.03 Access and Customize Layouts
 - Define a Compressor layout
 - How to customize the Toolbar
 - How to access default screen layouts
 - Show to modify a screen layout
 - How to save a custom screen layout
 - How to delete a custom screen layout
- 02.04 Create Batches and Import Files
 - How to create a new batch
 - How to import files from the Finder
 - How to import files using menus, buttons, and shortcuts
 - How to import multiple files into a single batch
 - Show the differences that occur when importing files using different methods
 - How to save a batch for later use
 - How to close and delete a Batch

- 02.05 The Preview Window
 - How to use the Preview window to review media
 - How to navigate between clips
 - How to toggle between viewing source or output media
 - How to use the Preview timeline to control playback
 - How to create chapter markers manually
 - Import a chapter marker list
 - Set an In and an Out to compress only a portion of a clip
- 02.06 The History Window
 - How to use the History window to view current batches being compressed
 - How to pause or cancel a job
 - How to view past compression batches
 - How to locate a completed compressed file in the Finder
 - How to move a completed batch from the History window back to the Batch window for continued processing
- 02.07 Default Destinations and Custom Destinations
 - Illustrate the four default destinations
 - Show how to create a custom destination - and why this is helpful
- 02.08 Optimize Preference Settings
 - How to access preference settings
 - Optimize preference settings to improve workflow

Chapter 3 - Simple Compression Tasks

- 03.01 Chapter Introduction
 - An overview of the material covered in this chapter
 - A list of the movies in this chapter
- 03.02 Batch Templates
 - Explain what a batch template is
 - Display a batch template
 - Turn off batch templates in Preferences
 - Create a new job using a batch template
 - Add a file to an existing template
 - Create a custom batch template
 - Delete a template when it is no longer needed
- 03.03 Compress Files for YouTube
 - Explain how YouTube handles video
 - Show how to use a batch template to compress a file for YouTube
 - Select the right compression setting to compress a YouTube video
 - Compress multiple files at once for YouTube
 - Automatically transfer files to YouTube when compression is complete
- 03.04 Compress for an Apple Device
 - How to compress for an Apple device using a batch template
 - How to compress for an Apple device using a compression setting

- 03.05 Compress for a DVD
 - How to use a batch template to burn a single movie to a DVD
 - How to compress a video file into an MPEG-2 file
 - How to optimize video compression settings for a DVD
 - How to compress an audio file into an AC3 file
 - How to optimize audio compression settings for a DVD
- 03.06 Compress for a Blu-ray Disc
 - Explain the difference between an AVCHD disc and a Blu-ray Disc
 - How to create an AVCHD disc using standard DVD media
 - How to create a Blu-ray Disc using Blu-ray media
- 03.07 Compress for Digital Projection
 - Create a high-quality compressed master file for digital projection
 - How to import a master file and apply a YouTube preset
 - How to import a master file and apply a ProRes 422 preset
- 03.08 The Share Monitor
 - Explain what the Share Monitor is
 - How to access it
 - How to configure preference files to optimize it
 - How to use it to monitor local compression jobs
- 03.09 Create a Droplet to Automate Compression
 - Explain what a droplet is
 - How to create a droplet
 - How to use a droplet to compress files
 - How to modify the settings in an open droplet

Chapter 4 - Customize Compression Settings

- 04.01 Chapter Introduction
 - An overview of the material covered in this chapter
 - Basic rules of compression
 - A detailed look at how to optimize compression settings
 - Key compression definitions
 - Balancing file size against image quality
 - The six tabs of Compressor
 - A list of the movies in this chapter
- 04.02 Customize Video Encoding Settings for the Web
 - How to create a custom MPEG-4 compression setting
 - How to create a custom QuickTime compression setting
 - How to modify an existing setting
 - How to apply that setting to a clip
 - How to delete an existing custom compression setting
- 04.03 Customize Audio Encoding Settings for the Web
 - Why customize audio compression settings
 - Provide an overview of sample rates and audio frequencies
 - How to compress audio for music

- How to compress audio for speech
- 04.04 Create a Short, Test Movie
 - Why test movies are important
 - How to create a short, test movie
 - How to evaluate an image for artifacts
 - How to adjust the bit rate to improve image quality
- 04.05 The Geometry Tab
 - Explain what the Geometry tab is
 - How to scale an image to its final, compressed, size
 - How to crop an image to change its aspect ratio using either the Preview window or the Geometry tab
 - How to reframe a cropped image
 - How to pad an image to add either letter-boxing or pillar-boxing, and why
- 04.06 The Frame Controls Tab
 - Explain what an auto-sensor is and how to use it
 - How to deinterlace an image
 - How to change frame rates
- 04.07 The Action Tab
 - What the Action tab is for
 - How to email notification when compression is complete
 - How to assign a specific destination to a specific compression setting
- 04.08 Job Actions
 - Define the A/V Attributes tab
 - Define the Additional Information tab
 - Define the Job Action tab
 - How to use the Job Action tab

Chapter 5 - The Filters Tab

- 05.01 Chapter Introduction
 - An overview of the material covered in this chapter
 - Define what filters do
 - A list of filters to avoid
 - A list of the movies in this chapter
- 05.02 Gamma Correction filter
 - How to work with filters in general
 - Explain why to use the Gamma Correction filter
 - How to enable a filter
 - How to disable a filter
 - How to change the filter stacking order
 - How to apply the gamma correction filter
 - How to view the results of a filter in the Preview window
- 05.03 Color Correct Mid-Tones filter
 - Explain what this filter does
 - Show how to use it

- 05.04 Text Overlay filter
 - Explain what this filter does
 - Show how to use it
- 05.05 Timecode Generator filter
 - Explain what this filter does
 - Show how to use it
- 05.06 Watermark filter
 - Explain what this filter does
 - Show how to create a watermark in Photoshop
 - How to apply and adjust a stationary watermark in Compressor
 - How to create a video watermark with an alpha channel in Final Cut Pro X
 - How to apply a video watermark in Compressor

Chapter 6 - Advanced Compression Techniques

- 06.01 Chapter Introduction
 - An overview of the material covered in this chapter
 - A list of the movies in this chapter
- 06.02 Integrate Final Cut Pro X with Compressor
 - How to access Compressor setting in Final Cut Pro X
 - How to change FCP X preferences to display compression settings
 - How to export a file from Final Cut Pro X using Compressor settings
- 06.03 Transcode Source Media Into ProRes
 - Explain why transcoding is necessary
 - Explain the difference between “camera native” media and ProRes
 - How to transcode camera native media into ProRes
 - How to create a droplet to transcode media automatically
- 06.04 Change Playback Frame Rates
 - Explain why changing frame rates is necessary
 - Explain when to use Frame Controls vs. the Encode tab
 - How to use the Encode tab to change frame rates
- 06.05 Create a Custom Compression Group
 - Explain what a compression group is
 - How to create a custom compression group
 - How to add settings to a group
 - How to copy and paste settings between jobs
 - How to adjust file destinations by compression setting
 - How to adjust file names for compression settings
 - How to apply the group to a single clip, or a group of clips
 - How to create a droplet of a compression group
- 06.06 Pre-processing and Job Chaining
 - Explain what pre-processing is
 - Explain what job chaining is
 - Explain when this technique makes sense to use
 - How to create a job chain that supports pre-processing

- 06.07 Create a Custom Batch
 - Explain what a custom batch is
 - How to create a custom batch
 - How to save a custom batch
 - How to apply a custom batch using the Template Chooser
 - How to delete a custom batch
- 06.08 HTTP Live Streaming (HLS) Compression
 - Explain what HTTP Live Streaming is
 - Explain why it is necessary
 - Show how to compress a file for HTTP Live Streaming
- 06.09 Compress Image Sequences
 - Explain what an image sequence is
 - How to import a sequence
 - How to compress an image sequence into any arbitrary format
- 06.10 Compress Surround Sound Audio
 - How to import surround media compose of discrete audio clips
 - How to import a multi-channel surround audio clip
 - How to compress a surround audio clip using the AC3 codec

Chapter 7 - Cluster Compression

- 07.01 Chapter Introduction
 - Provide an overview of the material covered in this chapter
 - Explain how to optimize Compressor for speed depending upon where media is stored
 - A list of the movies in this chapter
- 07.02 Single System QuickCluster
 - Explain what QuickClusters are and which codecs benefit from using them
 - How to setup a single system QuickCluster
 - How to compress a job using single-instance mode
 - How to compress a job using multiple-instance mode
 - How to turn off a QuickCluster
- 07.03 Multiple System QuickCluster
 - Explain when a multiple system QuickCluster makes sense
 - How to setup a multiple system QuickCluster
 - When to consider using QAdministrator for larger networks
 - How to submit a file for processing
 - How to turn off the QuickCluster
- 07.04 Monitor Remote Jobs Using Share Monitor
 - Explain what Share Monitor is
 - How to display Share Monitor
 - How to switch between remote computers for monitoring
 - How to monitor the status of All, Active, and Completed jobs

Chapter 8 - Summary

08.01 A Compression Example

- How to apply everything we've covered in this training to compress a file for the web.
- Watch over Larry's shoulder as he compresses a file from a standing start

08.02 It's a Wrap!

- Concluding thoughts for this training
- How to stay up-to-date