

Chapter 7: HOW TO OUTPUT FINAL FILES (both large and small)

FYI, this is stored in this folder on Google:

<https://drive.google.com/drive/folders/1ukPbvUs7NFeNnTVRp0YA0CCadhXJ4lyx?usp=sharing>

#1 Making an APPLE PRO RES large file:

It's good to put about a half second of black before the picture starts (or the audio, if it comes in before the picture). It's best not to have it jump on exactly at the first frame of your film.

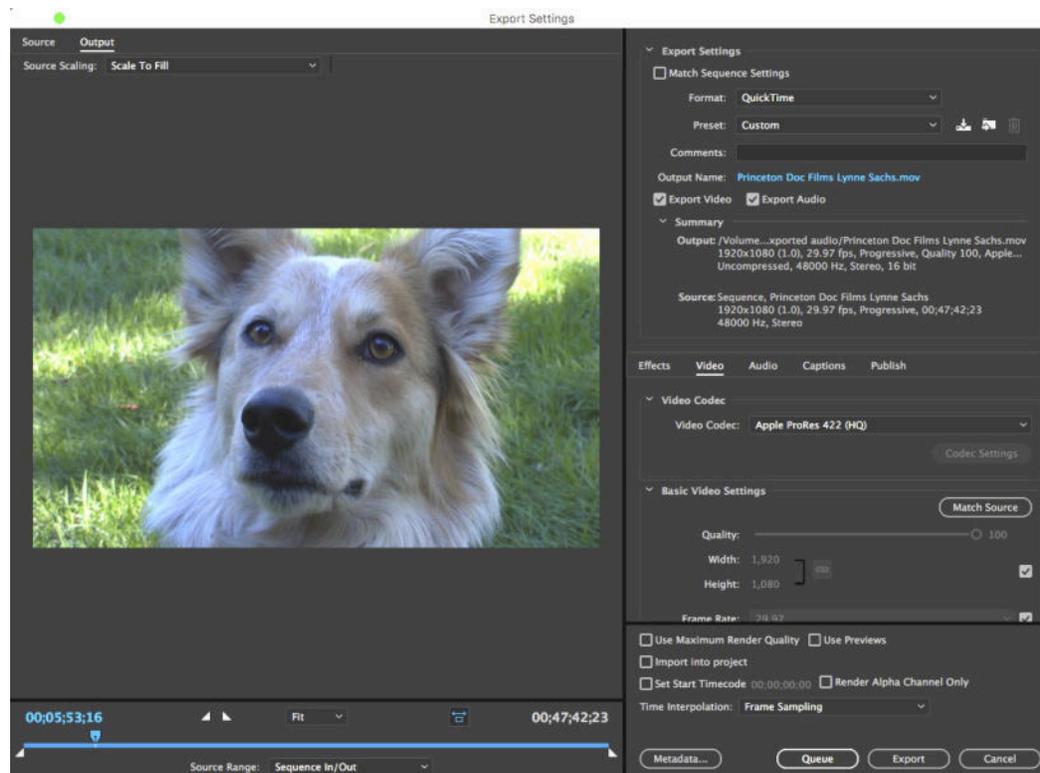
And be sure to render your entire film before you start exporting.

Mark In and Out points for the duration of your final edit.

Make sure you do this because otherwise, if you have extra scrap footage further along in the timeline, it will end up in the film.

See at bottom left of image below. It shows "source range": Use the pull down if need be to make sure it says Sequence in/Out.

Go to FILE>>EXPORT and choose Media, or do CMD + M. This window will open:



In the "Format" area on the top right, make sure it's Quicktime format.

Ignore "Preset" (because what you do later makes that moot).

At "Output name" click on that. When the window opens, give it a file name (Title_Your last name) and choose where to save it in your HD folder.

Make sure export video and export audio are checked.

NOTE IN THE SUMMARY SECTION that it shows all the info for the Output and then all the info for your footage (the Source). If they don't match now, that's okay! You're about to make them match.

VIDEO SETTTINGS:

In the box below that, in the VIDEO tab is where you set the Video Codec: If it says something else, pull down on that menu and find Apple Pro Res 422 HQ, that's what you want.

Then below that, in the Basic Video Settings, they've made it simple for you. Just click on the MATCH SOURCE button on the right and all will be well. (You can look back at the **Summary** section just to be sure it all matches....)

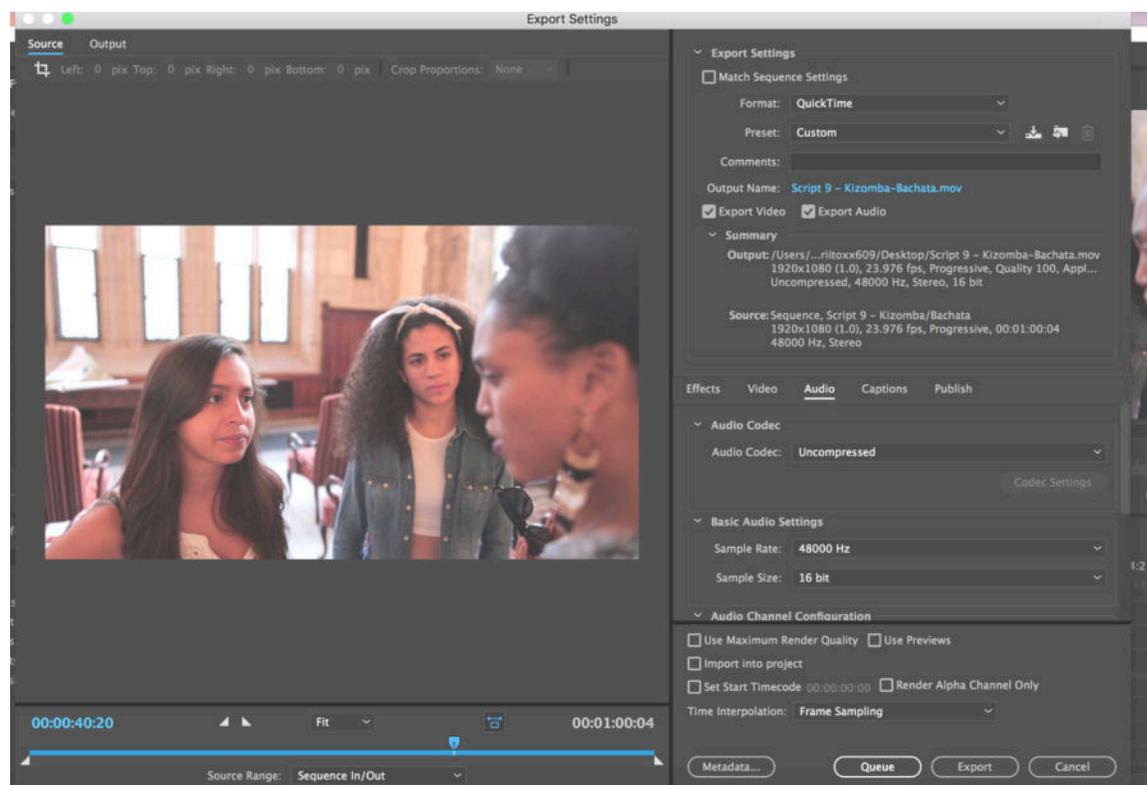
Scroll further down in the VIDEO tab and check ON the box for "Render at Maximum Depth" and 16bpc.

You can ignore the ones below that.

At bottom you would also check ON for Use Maximum Render Quality

AUDIO SETTTINGS:

Be sure that the settings in the AUDIO tab are correct. You want to set it for UNCOMPRESSED, 48000HZ and 16 bit.



Last but **VERY VERY IMPORTANT!** On the left side at top you might see "Scale to Fit". YOU DO NOT WANT THAT. You want to pull down and choose "**Scale to Fill**" as shown here.

When you're all set, **select EXPORT** (even though Queue is highlighted)

This will be a high res, large file and will take some time to export.

Last good thing: If you're putting this out into the world, it's smart to watch it all the way through to make sure it plays properly.

#2 Making a good small H264 file:

If you want to make a file to post on YT or Vimeo, etc., you should make an H264: It's a widely used format for making smaller (but good-looking) files.

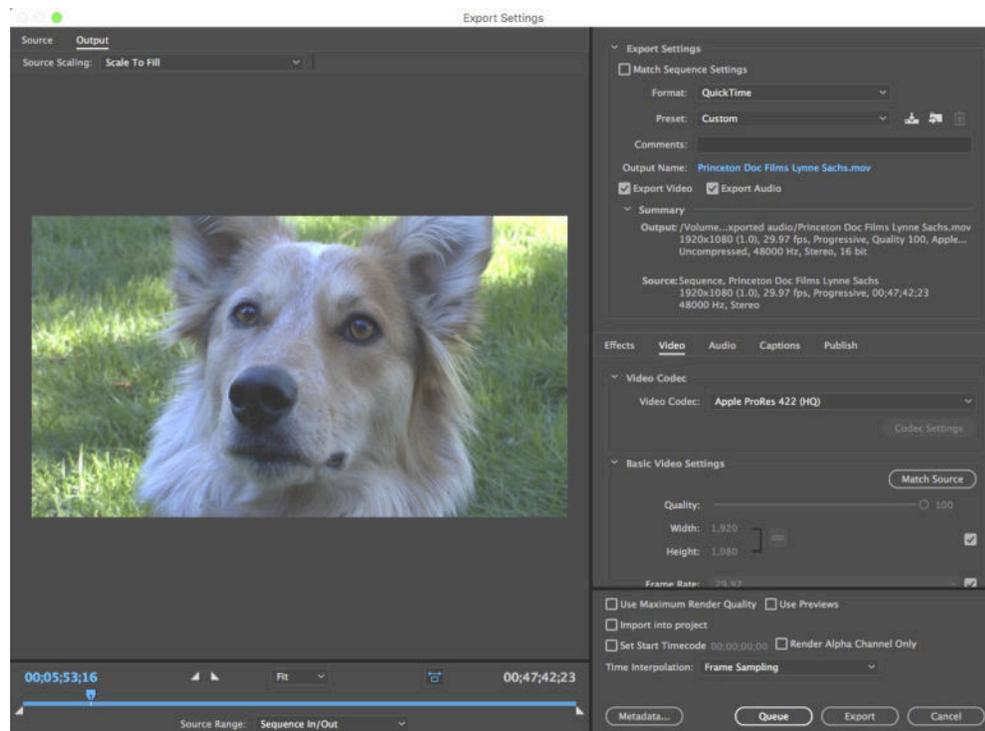
First be sure to put about a half second of black before the picture starts (or the audio, if you have audio coming in before picture). It's best not to have it jump on exactly at the first frame of your edit.

And always render everything before you start exporting. Very important.

Mark In and Out points for the duration of your final edit.

Make sure of this: If you have extra scrap footage later down the timeline it will end up in the film. See at bottom left of image below. It shows "source range": Use the pull down if need be to make sure it says Sequence in/Out.

Go to FILE>>EXPORT and choose Media, or do CMD + M. This window will open: (Ignore the settings pictured here, they're for an MOV....)



In the top right area, for "Format" you choose H264.

Ignore "Preset" (because what you do later makes that moot).

At "Output name" click on that. When the window opens, give it a file name (Title_Your last name) and choose where to save it in your HD folder.

Make sure export video and export audio are checked.

For the video settings:

In the VIDEO tab, same as for making an MOV, select MATCH SOURCE.

Click ON for the "Use Maximum Render Quality"

Scroll further down in the VIDEO tab and check On the box for Render at Maximum Depth and 16bpc.

You can ignore the ones below that.

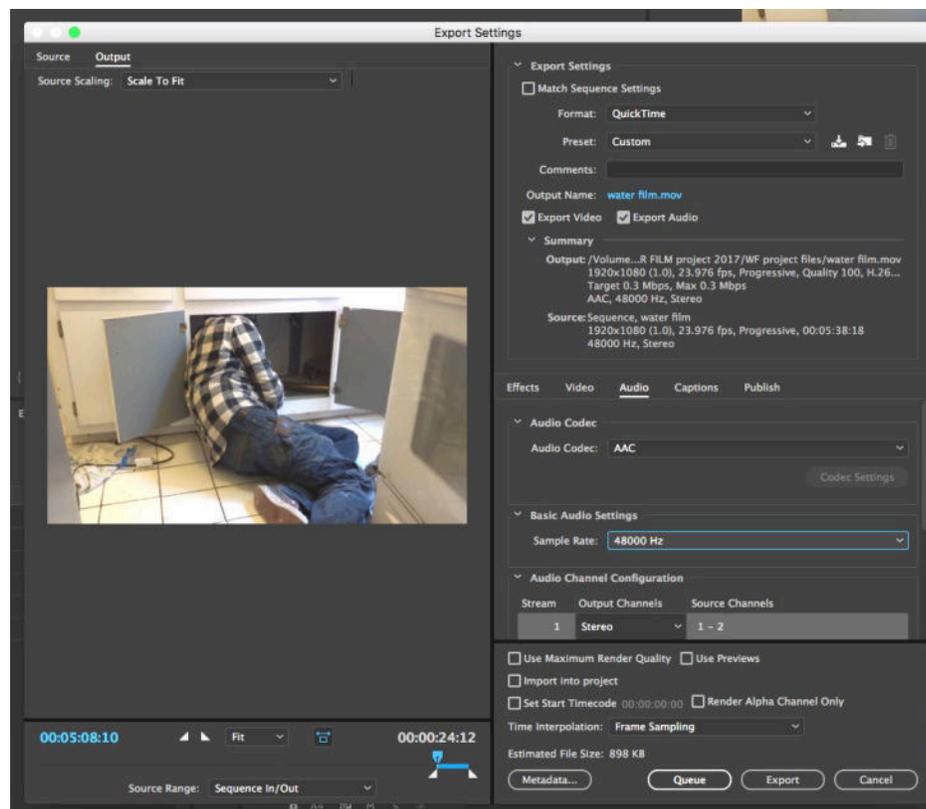
Now you can look back at the **Summary** section just to be sure it all matches

At the bottom of the main window you also want to check ON for “Use Maximum Render Quality”

Note that above the Metadata button it shows Estimated File Size (you can adjust that later, see below...)

For the audio settings:

Choose the AUDIO tab. Select AAC as your codec, a 48000 sample rate, and a 320 bitrate. (IGNORE the fact that this pic shows Quicktime as the Format)



Last but **VERY VERY IMPORTANT!** On the left side at top you might see “Scale to Fit”. YOU DO NOT WANT THAT. You want to pull down and choose “**Scale to Fill**” as shown here.

When you’re all set, **select EXPORT** (even though Queue is highlighted)

Now be smart: Look at the entire file to make sure it plays properly before spending precious time uploading it for a class, for YouTube, for anything. It’s boring, annoying and a waste of time to discover a problem after all that, right?

FILE SIZE:

If you want a smaller file, you can change the size by changing the Bitrate:

In the VIDEO window, scroll down through the Video Codec section until you see the Bitrate settings.

Use can use the slider to lower the bit rate as much as you want, and you'll see the Estimated File Size change.

Make a test to see what size works for you.

By Su Friedrich.

If you note errors or have suggestions for additions, don't hesitate to let me know!

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However, this was done for Premiere Pro 2020. **I cannot keep updating** every time they make minor changes to their software, which as you know they do periodically.