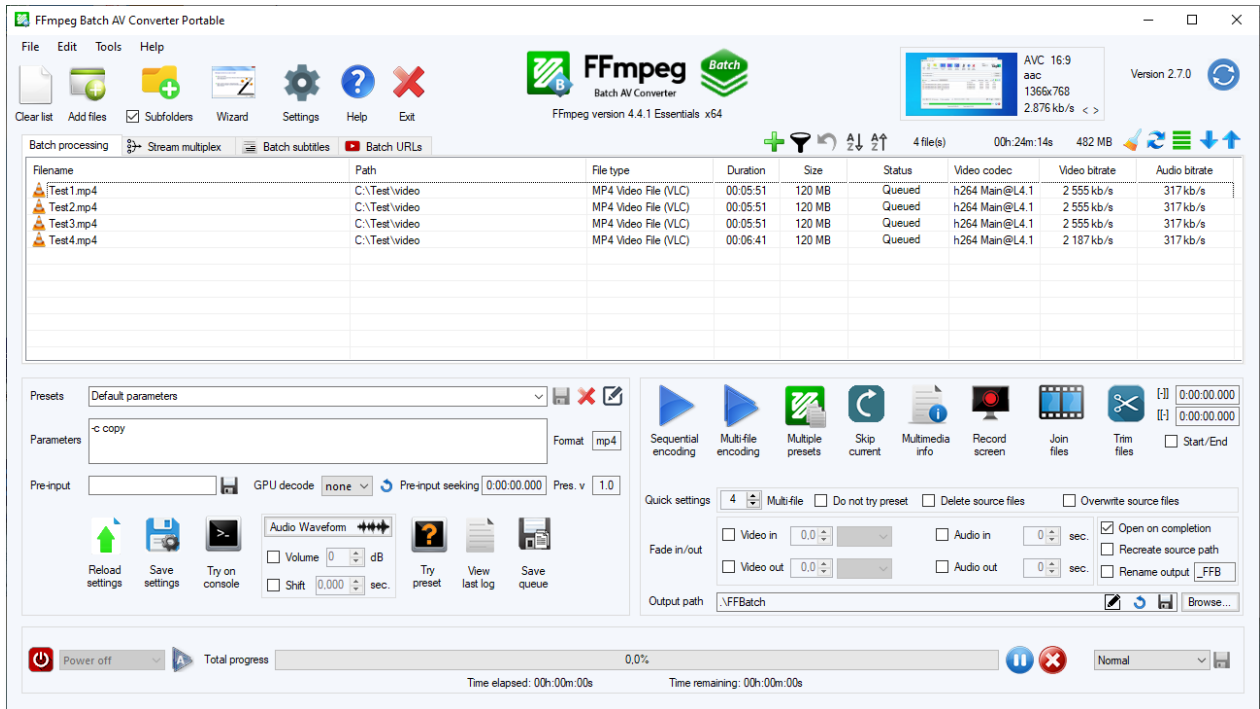


FFMPEG BATCH AV CONVERTER USER GUIDE

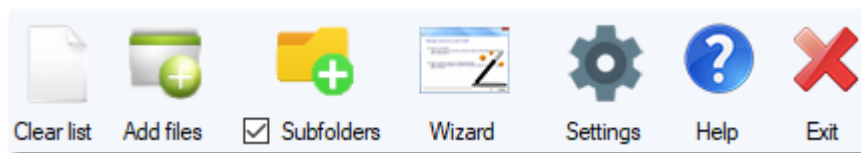
FFmpeg Batch AV Converter for Windows is an ffmpeg graphical user interface (GUI) that allows to use all the potential and speed of ffmpeg command line to batch encode any number of files in a few clicks, adding many useful features like progress information, remaining time, output size estimation. It also makes it easy to manipulate files streams and multiplex them, as well as adding subtitle tracks and batch process m3u8 and YouTube urls. Some additional wizards allow more complex features like two-pass encoding, image extraction, silence detection, file splitting.



General index

1. [Main screen](#)
2. [FFmpeg settings](#)
3. [Encoding choices](#)
 - a. [Sequential encoding](#)
 - b. [Multi-file encoding](#)
 - c. [Multiple presets encoding](#)
 - d. [Record screen](#)
 - e. [Join files](#)
 - f. [Trim files](#)
4. [Quick settings](#)
5. [Runtime settings](#)
6. [File list management](#)
 - a. [Filtering](#)
 - b. [Custom columns](#)
7. [Two pass video wizard](#)
8. [Application settings](#)
 - a. [Presets editor](#)
9. [Stream multiplex tab](#)
10. [Batch subtitles tab](#)
11. [Batch URL download tab](#)
12. [Application Wizard](#)
 - a. [Silence detector](#)
 - b. [Image to video](#)
 - c. [Image extraction](#)
 - d. [File split](#)

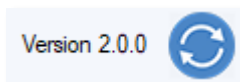
MAIN SCREEN



- **Clear list:** Clears all files and tracks lists.
- **Add files:** Selects files in a specific folder.
- **Subfolders:** Adds all files in the selected folder and all its subfolders if the check is on.
 - Thousands of files or folders can be added. Every file will be checked and if duration can't be obtained by the OS it will be parsed using ffprobe.
 - Files for which duration can't be obtained can be processed but no progress information is displayed.
- **Wizard:** Opens the ffmpeg preset wizard.
- **Settings:** Opens the settings panel.
- **Help:** Opens this quick guide.
- **Exit:** Gracefully closes application and checks for unsaved settings.



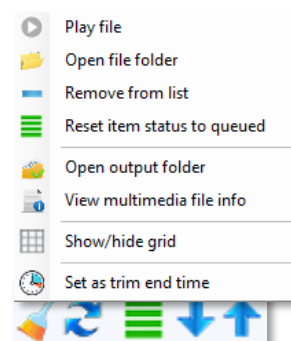
FFmpeg version is displayed, and clicking on it allows to backup and replace current ffmpeg.exe with a different version.



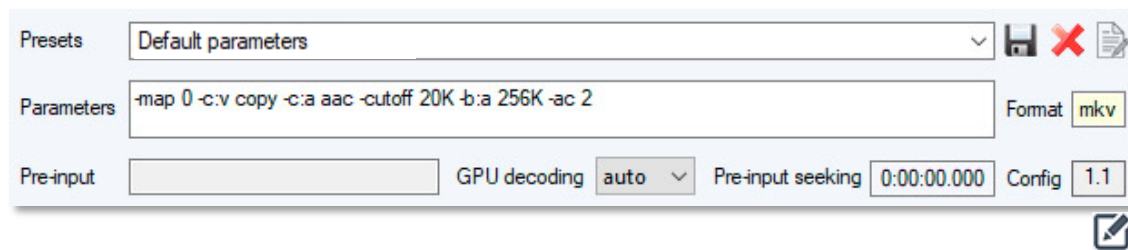
Check for updates.

FILE LIST RIGHT-CLICK MENU

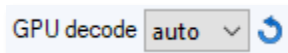
- You can **right-click** on file list to show this menu
- You can also **double-click** on any file to obtain the multimedia file information.
- File list can be sorted by any column (name, duration, size).
 - Remove invalid (no A/V items) from list.
 - Reset items status to "Queued".
 - Refresh file list.
 - Move up/down items with status 'queued'.



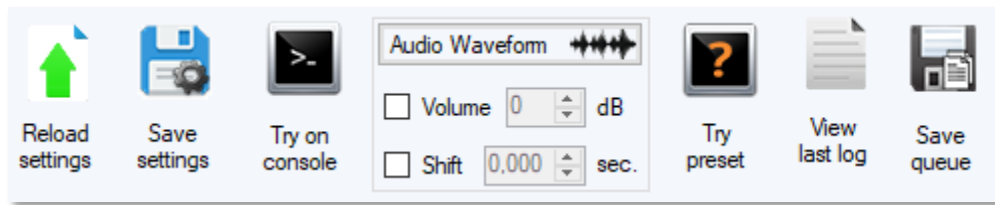
FFMPEG SETTINGS



- **Presets:** It consists of a preset description, a set of ffmpeg parameters and format extension.
 - **Parameters:** Write here the ffmpeg command line parameters of your choice.
 - **Dynamic parameters:** The following variables can be used on parameters field:
 - %1: Source file including full path.
 - %2: Source file including full path without extension.
 - %fp: File full path.
 - %ff: File with extension
 - %fn: File name without extension.
 - %fd: Directory name.
 - %fdur: Source file duration in seconds.
 - %fdur+1: Source file duration in seconds + 1.
- **Format:** The output format extension. If you leave this field blank, the source file extension will be used as output format.
- **Save button:** Saves your own parameters/format combination. Any preset will be overwritten with the new parameters unless preset name is modified.
- **Remove button:** Removes any existing preset. Default saved parameters cannot be removed.
- **Edit presets:** Opens the ffmpeg presets editor.
- **Pre-input:** Write here any required ffmpeg parameters used before input file.
 - Pre-input parameters are not saved in the preset.
- **Pre-input seeking:** A convenient way to set the -ss pre-input parameter for fast seeking to start processing on the selected time.
- **Configuration version:** It allows to specify a version number for current settings.



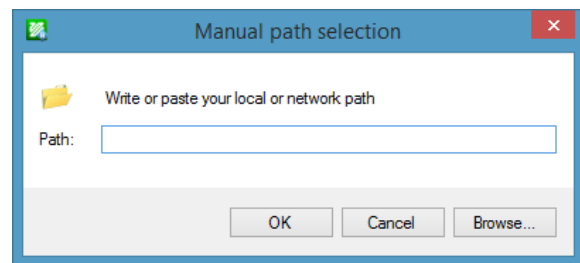
Easy hardware video decoding selector (pre-input -hwaccel).



- **Reload settings:** Loads the previously saved settings.
- **Save settings:** Saves to configuration file (ff_batch.ini) the following settings:
 - All current presets, and whether open or not output path after tasks completion.
 - Recreate or not files source path on output folder (to avoid overwriting when adding multiple folders).
 - Rename or not output files automatically.
 - Add subfolders.
 - Show/hide grid.
 - Settings file version.
- **Try preset:** Runs a test with the selected input file and the current parameters and output format. It will show the result in a new window with any ffmpeg error information included.
- **Try on FFmpeg console:** opens ffmpeg in command line. You can choose in settings panel to pass current parameters and filename to the ffmpeg console, or just show ffmpeg console version.
- **View last log:** Every sequential or multi file processing will save the console output in a text file that can be reviewed/saved here. Only the last log is kept. You can disable logging at settings panel.
- **Save queue:** Saves current queue state, including items status, runtime settings and output path.

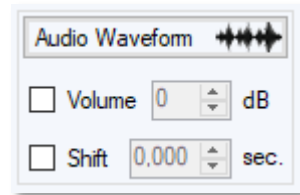
Manual add path dialog

Right-click to display this menu, so you can paste or manually write source files path. Path auto-completion is enabled.

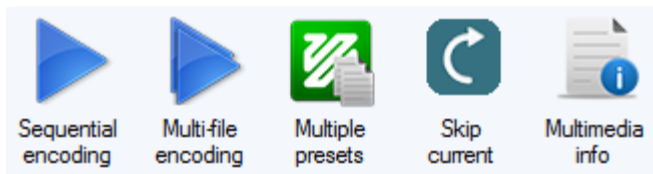


AUDIO

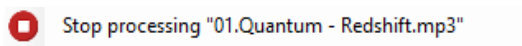
- **Audio waveform:** Generate a graphical wave form in a new window of the selected file.
- **Volume:** Increase audio volume the selected dBs.
 - Remember that audio stream copy can't be used in this case.
- **Shift:** move audio track to synchronize with video.



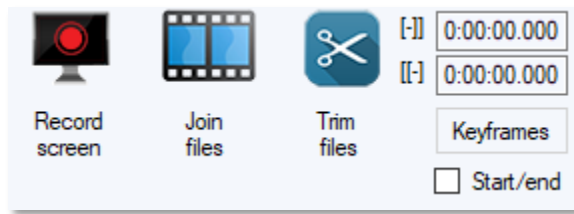
ENCODING CHOICES



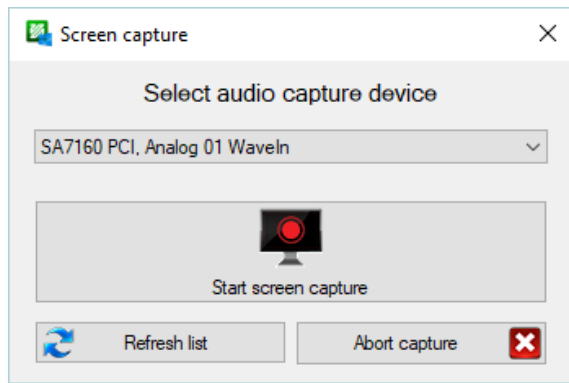
- **Sequential encoding:** Start processing all queued files one at a time using the selected parameters and output format. This is the choice for video encoding.
 - FFmpeg parameters are tried using the first file before real encoding starts and any error (wrong parameters, format, etc.) will pop up and queue processing will be aborted. This trying can be disabled at settings panel to start encoding immediately.
 - Every task will show progress (%), average bitrate and estimated output size.
 - Queued files can be added or removed on the fly once encoding starts.
- **Multi-file encoding:** Start processing multiple files simultaneously, limiting maximum number of files value below. The maximum number is the number of CPU threads. It is recommended for audio since it can simulate multi-threading feature that is usually missing in audio libraries. For video encoding its not always recommended, since video libraries are already multi-thread compatible, but for some scenarios it can speed overall encoding by using all system resources.
- **Multiple presets:** Allows to sequentially encode files using up to three different presets in just one step. Progress information will vary depending on every preset parameters.
- **Skip current:** When in sequential processing, abort current file encoding and continue.
- **Multimedia info:** Show either a summary or a full report of multimedia file info.
- **Stop item encoding:** You can right-click on any item during queue processing to stop it.



OTHER ENCODING FEATURES



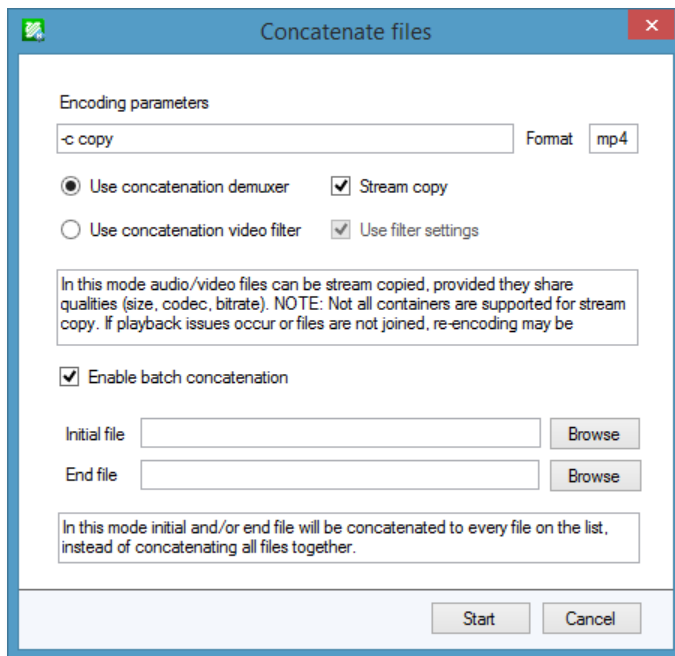
- **RECORD SCREEN:** It uses gdigrab function to capture screen. Once clicked a popup will show available audio capture devices. You can record video only by selecting “No audio”.



NOTE: Audio is only recorded from capture devices. If you want to capture audio playing on the computer, search for “Stereo-mix”, and in case it is not available, you can download a virtual audio playback capturer here:

<https://github.com/rdp/screen-capture-recorder-to-video-windows-free/releases/tag/v0.12.11>

- **JOIN FILES:** Use the concatenate function to join all files in queue using the selected preset. Useful for stream copy or re-encoding concatenation. You can select two ways for joining files.

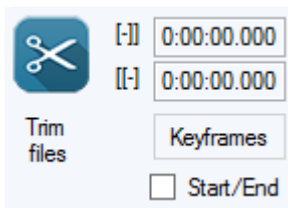


- **Concatenate demuxer:** It allows to **stream copy** and concatenate any type of files, but if file formats are not exactly the same it can lead to compatibility issues or errors playing encoded files. Not all containers support stream copy joining, sometimes **re-encoding** is required.

- **Concatenate video filter:** Only for video files, it fixes compatibility video playback issues but it requires to **re-encode source files**. It automatically selects the best encoding configuration depending on source format, so parameters field can be left blank on this mode.

Enable batch concatenation: Instead of joining all files on main file list, enabling this setting allows to batch join an initial and/or end file to every file on the list, applying the concatenation settings and limitations above. Containers like mkv, mp4, mp3, support stream copy concatenation. If the results are not successful, maybe re-encoding files is required.

- **TRIM FILES:** Trim file using the initial and final time on the right boxes.



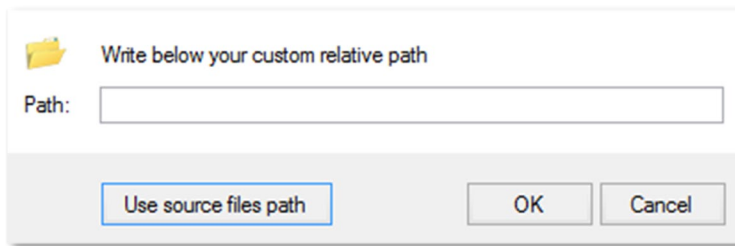
- Start/End checkbox is **enabled**: The initial and end time fields are the amount of time trimmed at the beginning or end of file.
- Start/End checkbox is **disabled**: The initial and end time fields are used as the markers to start and finish file trimming.

- **For example:** If checked, file is trimmed from the beginning and the end using the duration specified. For example, you can trim 10 seconds from the beginning and 5 from the end by checking this mark and selecting 00:00:10:000 / 00:00:05:000. If it is unchecked, start and end time are used as time marks for trimming.
- **Keyframes** button shows a report of the video keyframe intervals.

OUTPUT PATH: This is the destination folder for encoded files. The default path is the input file path subfolder 'FFBatch'.

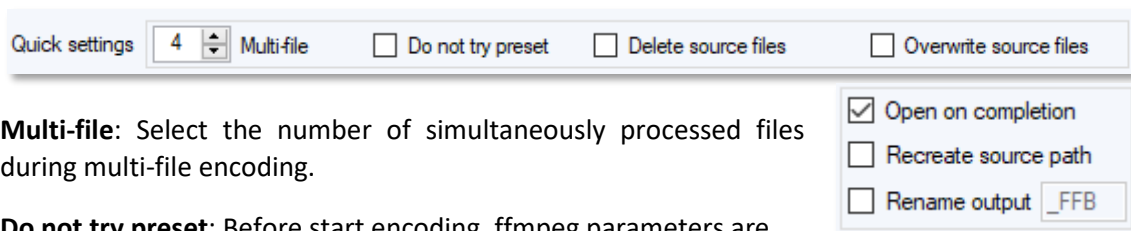


- The **browse** button allows to select a different absolute path, which can be saved as default, or be reset to ..\FFbatch with the reset button.



- The **edit path** button allows to set a different relative path based on input file path. Just write a folder name, with no dots or '\' characters at the beginning. You can chain the relative path using a structure like 'relative1\relative2'.
- You don't have to write .\ or any character, just the folder name, which automatically used as a relative path from input source files.
- You can select "user source files path" so output folder always matches source path.

QUICK SETTINGS



- **Multi-file:** Select the number of simultaneously processed files during multi-file encoding.
- **Do not try preset:** Before start encoding, ffmpeg parameters are tried once and if any error occurs encoding is aborted. In case you experience random errors encoding with specific parameters, check this mark so encoding starts without parsing parameters. In this case, if parameters are wrong they will be applied to all queued files, unless processing is aborted.
- **Delete source:** Send input files to recycle bin once encoding is successfully completed. Files are not sent if any encoding error occurs.
- **Overwrite source files:** If source filename and destination are the same, source will be overwritten. Output path needs to be set as ".\" (source path) for it to work. If encoding is successful and source is overwritten, the item status will be "Replaced". 🟢 If not, a warning will be displayed. ⚠️
- **Open on completion:** Once all files are processed the destination folder will be opened.
- **Recreate source path:** The input path structure will be kept on the destination folder.
- **Rename output:** Add a text suffix to the output file name.


Fade in/out	<input type="checkbox"/> Video in	0,0	Black	<input type="checkbox"/> Audio in	0	sec.
	<input type="checkbox"/> Video out	0,0	Black	<input type="checkbox"/> Audio out	0	sec.

- **Fade in/out Video/audio:** This feature allows to add a fade in/out effect for both audio and video, adding the corresponding filters. While fade in effects can be chained with other -vf or -af filters, fade out is not compatible with multiple filters since it is based on audio/video file duration.

RUNTIME SETTINGS

	Power off				Normal	
---	-----------	---	---	---	--------	---

- **Automatic shutdown:** Once completed any processing operation the application will either power off, hibernate or suspend the computer in 60 seconds, unless cancelled.
- **Run command on completion / on each file:** It is possible to run any application or document after queue is successfully completed, or to each successfully encoded file.
 - **Executable:** Browse for the executable, script or document of your choice.
 - **Arguments:** Add any arguments if required by your executable.



Open application on queue completion

×

Select an application or document to open after a successful queue encoding.

Executable

Browse

Arguments

Browse

(optional)


Cancel

OK

Executable

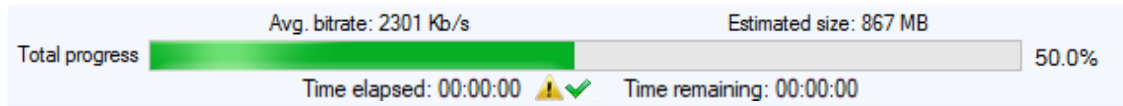
Arguments

Launching application in 5



Abort

- **Autorun encoding:** If selected, application will start encoding automatically after adding files or folders to the application, using the current preset. This setting applies on startup too, using the default saved preset. You can select on settings either to automatically start sequential or multi-file encoding.
- **Process priority:** The priority of ffmpeg threads can be adjusted, and save a default value.
- **Pause encoding:** Queue processing is halted, and It can be resumed or aborted.
- **Abort encoding:** Abort current task(s) and stop queue encoding.

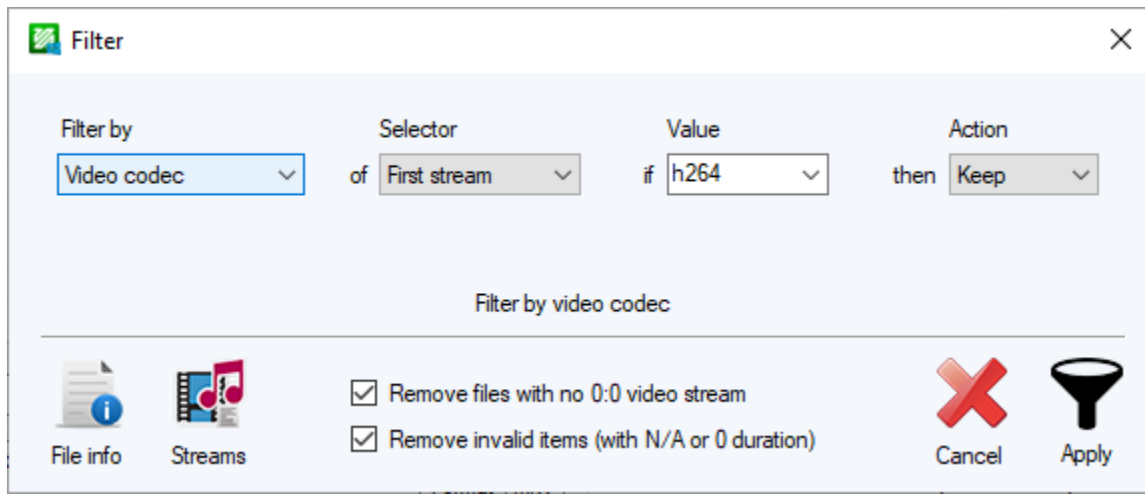


This is the progress information and time elapsed/remaining to finish the current file queue. For sequential processing, average bitrate and the estimated output size is also displayed.

Once queue is complete, a check icon will be displayed stating that no errors occurred, or a warning icon in case any file encoding reported an error.

FILE LIST MANAGEMENT

FILE LIST FILTERING

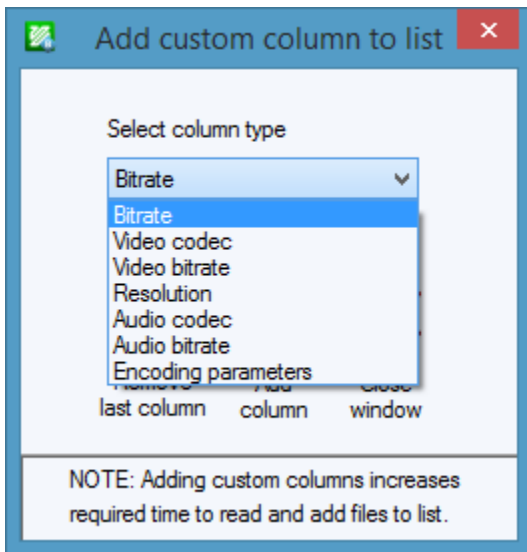


You can filter file list using the following criteria, and then select to keep or remove the files matching selected filter:

- Status: Queue status (Success, failed, queued)
 - File extension.
 - File size (greater or equal than value in MB).
 - File bitrate (overall bitrate).
 - Video codec:
 - Selector allows to choose first (usually the video stream), second or any stream to search for value.
 - You can select a value from the list or write your own.
 - Video bitrate (greater or equal than value in Kbps).
 - Audio codec:
 - Selector allows to choose first (usually the stream for audio files), second (usually audio the stream for video files) or any stream to search for value.
 - For multitrack files, the any stream will be the choice.
 - You can select a value from the list or write your own.
 - Frame rate: Video frame rate (exact match). You can write a custom value.
 - Frame size: Video frame size (exact match). You can write a custom value.
 - Custom string (FF): Search for a string in all the streams output information.
 - Custom string (MI): Search for a string in all media info output information.
 - Metadata: Search for media info selected metadata fields.
- When searching for video information, files that do not have a first video string are discarded.
 - Files with 0 or N/A duration are discarded.
 - Filter result can be reverted with the undo/redo button.



ADD CUSTOM COLUMN AND CUSTOM ITEM PARAMETERS

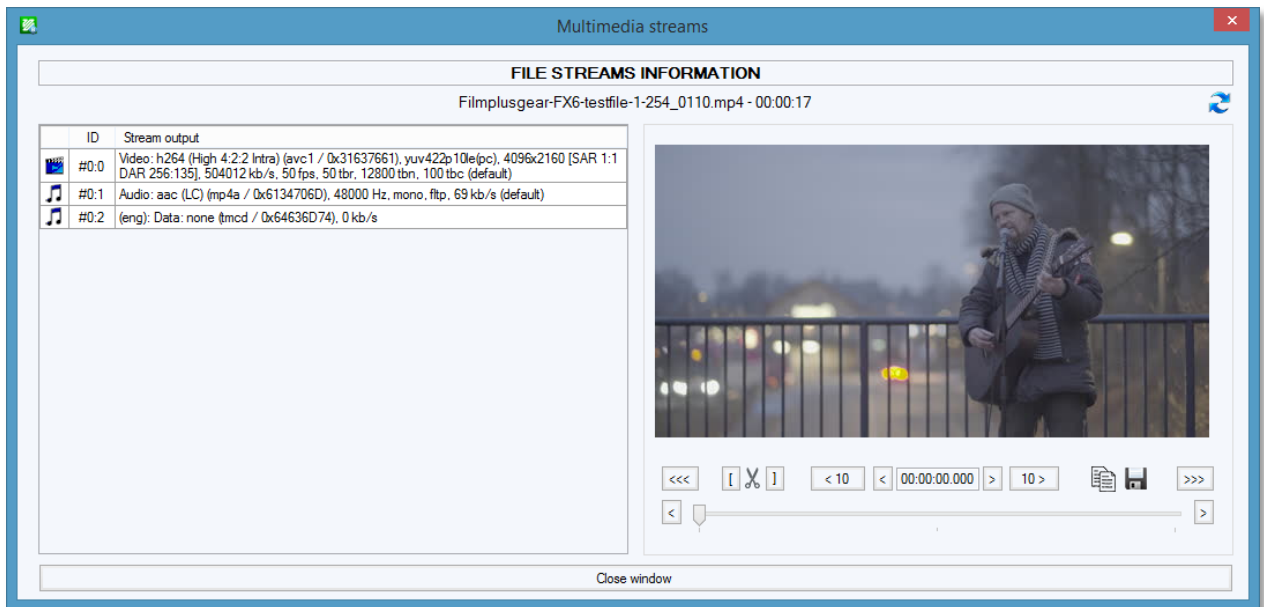


Add up to 7 custom columns to file list. They have to be added/removed sequentially.

Encoding parameters column: FFmpeg parameters can be set on an individual item basis.

NOTE: Custom columns somewhat slow down file adding and refreshing list procedures.

FILE STREAMS AND VIDEO NAVIGATION



This dialog displays the available file streams. For video files, it reads all keyframes, and allows to navigate frames, set trim markers to use on main screen, copy and save frames as image.

TWO PASS VIDEO WIZARD

Two pass video encoding wizard batch processes queue files using the two pass feature implemented in several encoders, like libx264, libx265, libvpx-vp9. File list cannot be empty.

First you need a base preset, which will be used to generate pass 1 and pass 2 parameters. A compatible video encoder and video bitrate parameter (-b:v or -vb) is required.

- Progress information is only partial during vp9 first pass.
- NVIDIA encoders (h264_nvenc, hevc_nvenc) should not be used in this wizard, since two pass encoded is already implemented using “-preset slow”.

Two pass video encoding wizard

Two pass encoding wizard

Select base preset for two pass video encoding:

Presets: Video Vp9 Pass 1

`-c:v libvpx-vp9 -pix_fmt yuv420p10le -pass 1 -quality good -threads 1 -profile:v 2 -lag-in-frames 25 -crf 23 -b:v 0 -g 240 -` Format: webm

Required parameters will be added on next step.

☐ Enable target size 2 MB Video Profile

Next Cancel

TARGET SIZE: Allows to set a target output file size. When enabled, it is possible to select either one or two pass encoding.

On the second screen you can review and tweak the first/second pass parameters. Both are tested before actual encoding starts, and if validation fails, error information is displayed and preset status changes accordingly.

☒ Enable target size 2 MB Video libx264 Profile faster

☒ One pass only Audio aac Bitrate 64

NOTE: Always review parameters. They could be considered valid, but actually not fulfill its purpose, since -pass 1 or -pass 2 parameters can be ignored by some codecs if improperly used.

Two pass video encoding wizard

Ready to start two pass encoding

The wizard is ready to start two pass video encoding:

First pass

`-c:v libvpx-vp9 -row-mt 1 -b:v 8192K -minrate 8192K -maxrate 8192K -c:a libvorbis -sn -pass 1 -an -f webm` Format: nul

Second pass

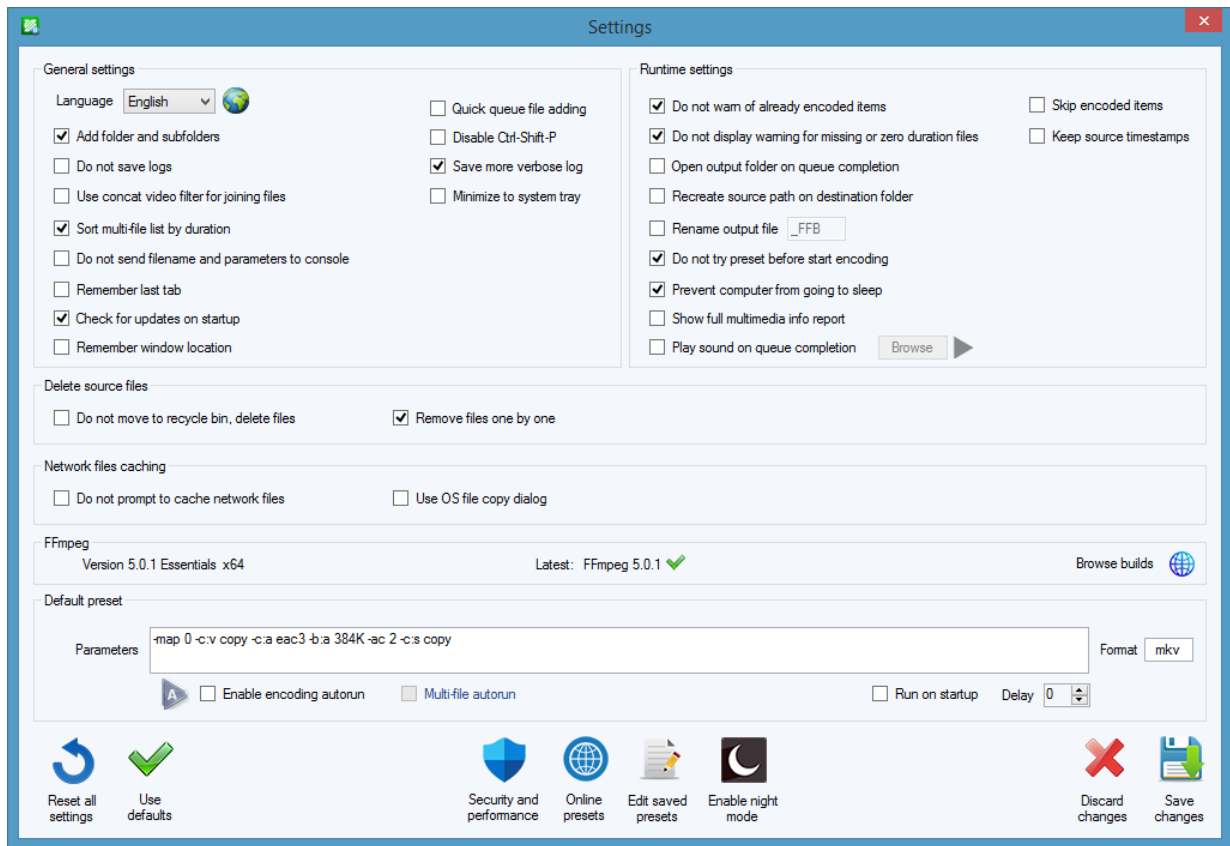
`-c:v libvpx-vp9 -row-mt 1 -b:v 8192K -minrate 8192K -maxrate 8192K -c:a libvorbis -sn -pass 2` Format: mkv

Preset status:

Start Cancel

Start encoding Cancel

APPLICATION SETTINGS



- **Add folder and subfolders:** If selected, files in subfolders will also be added to the file list.
- **Do not save logs:** Disable log saving.
- **Verbose logs:** Save more verbose ffmpeg log information during encoding.
- **Use concat video filter for joining files:** If switches to concatenation video filter for better compatibility, at expense of re-encoding source material. If unchecked, then files are joined using demuxer filter.
- **Sort multi-file list by duration:** If multi-file is started, items are sorted by descending duration, so longer files are started first.
- **Do not send filename and parameters to console:** When using the try on console button, by default selected item and parameters are used to try the command to a temporary folder. If checked, only a standard terminal will be displayed.
- **Check for update on startup:** Disable automatic search for updates on startup.
- **Remember last tab:** Tab selected before closing application will be opened again.
- **Remember window size/location:** Window size/location is stored used the next time application is opened.

- **Quick queue file adding:** It switches to a mode adds files to queue much faster (100x) since it does not parse each file in order to obtain its duration. In this mode only individual encoding progress is displayed, there's no queue time remaining info, and progress is just a percentage of already encoded files.
- **Disable Ctrl-Alt-P:** It disables capturing this keystroke, which aborts current queue.
- **Minimize to system tray:** Sends application to system tray instead of minimizing window.

RUNTIME SETTINGS

- **Do not warn of already encoded items:** If the file lists contains items with status "Success" or "Replaced", the user is by default warned that those items were already successfully processes. If this setting is checked, all items are automatically reset to "Queued" and processed.
- **Skip encoded files:** If queue is aborted or crashed and started again, successfully encoded items are skipped.
- **Do not display warning for zero duration files:** Added files are parsed to obtain its duration. If parsing results in zero or not available durations, a warning is displayed, unless this option is enabled.
- **Open output folder on queue completion:** Once queue processing is complete, the destination path is open. If there are multiple source file paths, the first file destination path is displayed.
- **Recreate source path on destination folder:** If multiple files from different folders are added to the file list and then an absolute output folder is selected, files may be overwritten if they have the same name but come from different folders. This settings preserves the source path structure on destination folder to avoid this risk.
- **Rename output file:** If checked, output files are renaming adding the text suffix on the right.
- **Disable try preset before start encoding:** Before queue processing starts, the first file on the list is tested using the selected preset, so in case the parameters or format are wrong, encoding is aborted so a bad preset is used. In some rare parameters combinations, the trying process can fail, preventing real encoding from starting. Check this if you encounter problems starting encoding with certain parameters.
- **Prevent computer from going to sleep:** If computer enters sleep mode during encoding, the process will fail. This setting prevents that scenario so user doesn't have to disable sleep timer on his computer.
- **Show full multimedia report:** Instead of an information summary.
- **Default preset:** These are the ffmpeg parameters and file extension loaded on startup.
- **Enable encoding autorun:** If enabled, sequential encoding starts as soon as new files/folders are added to file list. If the application finds on startup a crashed encoding session, it will reload it and start it immediately.

- **Multi-file Autorun:** Automatically starts multi-file encoding instead of sequential.
- **Run on startup:** Automatically start application, with optional startup delay.

DELETE SOURCE FILES

When Delete source files is enabled on main screen, this settings apply:

- **Do not send to recycle bin:** Files will be completely deleted, instead of being moved to the recycle bin.
- **Delete one by one:** Files are either recycled/deleted at the end of the queue encoding. Enabling this will attempt to delete them just after encoding finishes successfully.

NETWORKING CACHING SETTINGS

- **Do not prompt to cache network files:** You will not be prompted to cache network files.
- **Use OS File copy dialog:** The system file copy dialog will be used for file caching. While it is a faster option, it pops up a copy dialog every time a new file is cached.

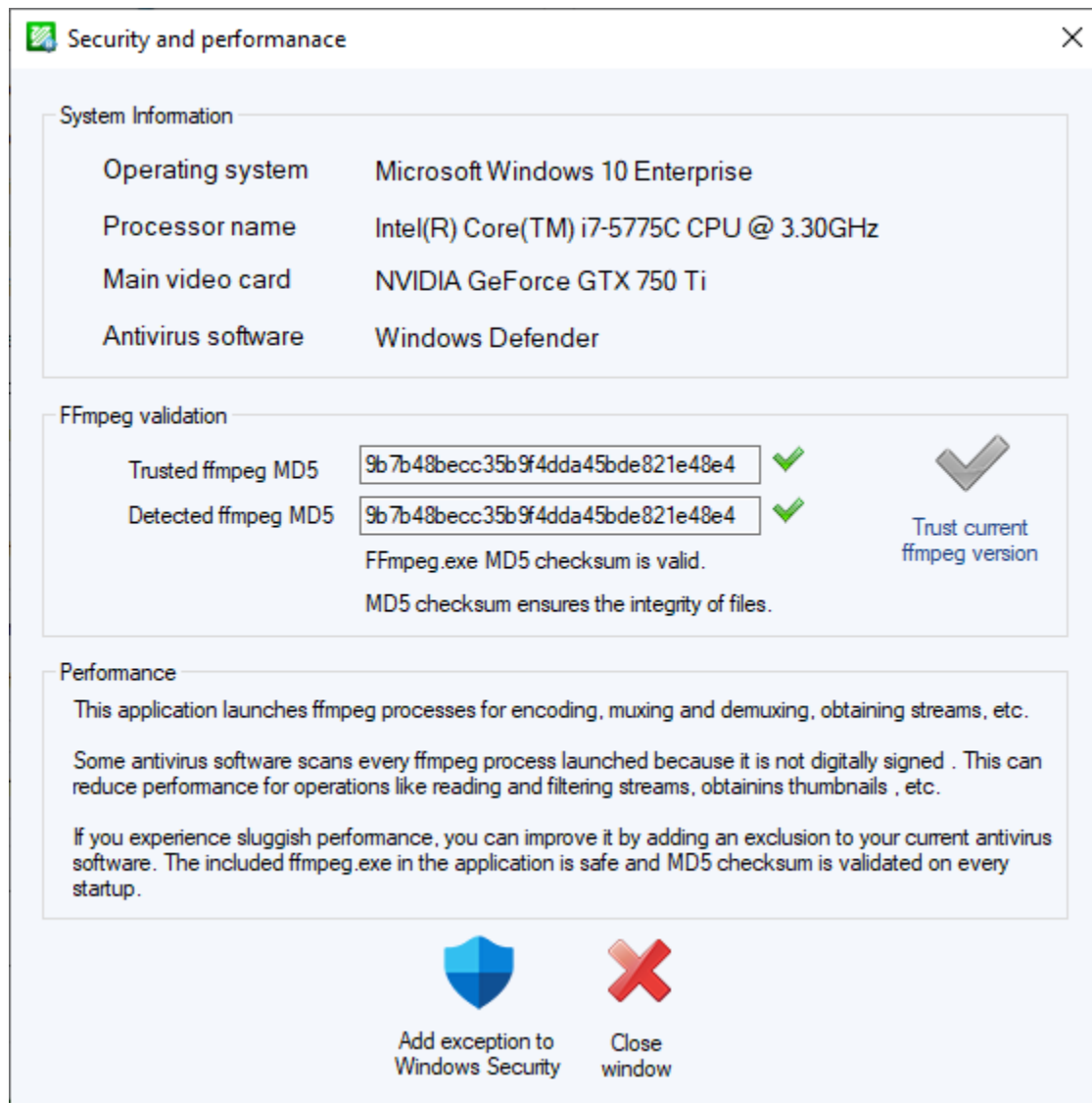
FFMPEG INFO

- **Current ffmpeg binaries version** is displayed here.
- **Latest ffmpeg release** available is also displayed, and whether you are using the latest version.
- **Browse for ffmpeg binaries** browses for new Windows releases on gyan.dev website.

SETTINGS BUTTONS

- **Reset all settings:** It resets application to factory default settings. It is useful if application becomes unstable, however custom presets are lost. We can preserve them using Edit saved presets, copying the file contents.
- **Use defaults:** It selects the default choice for all settings.
- **Security and performance:** FFmpeg integrity validation and security exclusion.
- **Edit saved presets:** This feature allows import, edit and save the application presets saved in the text configuration file ff_presets.ini, so presets can be quickly added and reordered. It is recommended to backup this configuration before proceeding, though an automatic backup is created after saving the file or during upgrades.
- **Night mode:** It changes the application theme to dark colors.
- **Discard changes:** All changes are discarded.
- **Save changes:** All modified settings are saved and panel is closed.

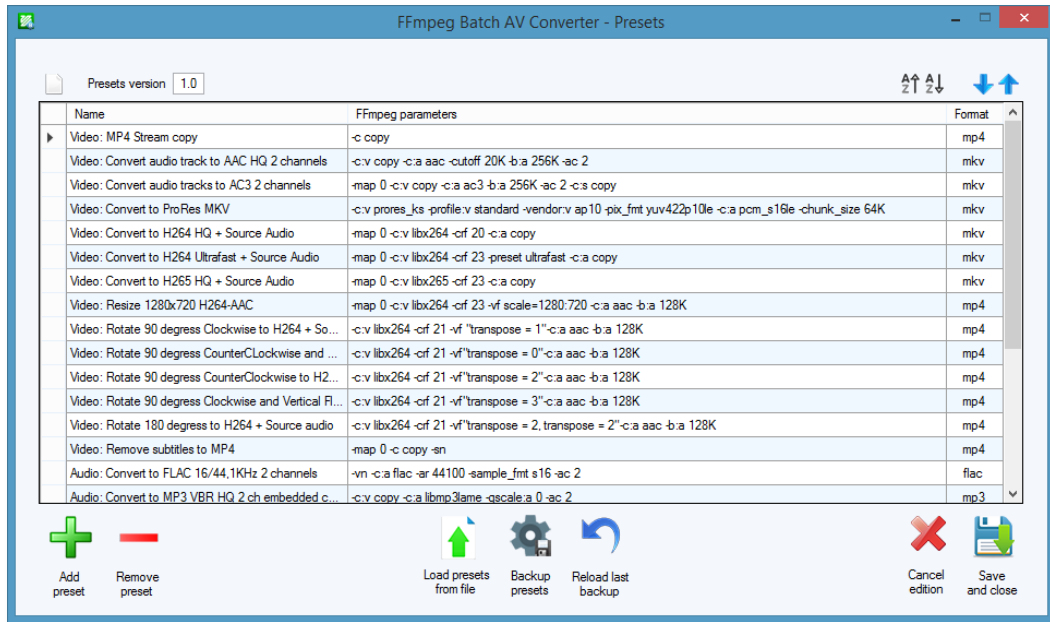
SECURITY AND PERFORMANCE



This dialog displays the system information, and the ffmpeg integrity status.
If ffmpeg.exe has been modified, a security alert will pop up.

Add exception: It allows to add an exclusion to Windows Security for ffmpeg.exe, since continuous antivirus analysis can slow down some application operations.

PRESETS EDITOR



Presets are saved on %appdata%\FFBatch\ff_presets.ini. This editor allows to quickly edit and save them, import/export. An automatic backup (ff_presets_bck.ini) is created every time presets are saved.

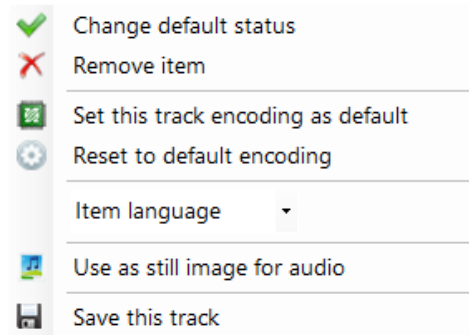
STREAM MULTIPLEX

In this tab file streams are automatically displayed and can be added to the tracks file list. There they can be manipulated, saved or multiplexed. Every stream type has a different color.

ID	Type	Language	Default track	Encoding parameters
0	Video: h264 (High), yuv420p(progressive), 19...	eng	Yes	copy
1	Audio: truehd, 48000 Hz, 7.1, s32 (24 bit) (de...	eng	Yes	copy
2	Audio: ac3, 48000 Hz, 5.1(side), fltp, 640 kb/s	eng	No	copy
3	Subtitle: subrip (default)	eng	Yes	copy
4	Subtitle: subrip	eng	No	copy
5	Subtitle: hdmv_pgs_subtitle	eng	No	copy

You can right-click on a track to show this menu:

- **Change default status:** So the stream is played by default.
- **Set this track encoding as default:** You can change the default encoding (copy) and set those parameters as default.
- **Reset to default encoding:** Returns to the default (copy stream).
- **Use as still image for audio:** You can easily create a video clip, either from an image file or from a video frame. By default the video frame is at 00:00:00. You can select a different time using the main tab pre-input seeking.



Clear tracks: Clear tracks list.

- **Add file tracks:** Add available file streams to the tracks list. When the file list has only one file streams are added automatically.
- **Remove track:** Remove selected track on list.
- **Default track:** Set a default played stream.
- **Add as mux job:** Add current tracks and parameters information as new job.
- **View mux jobs:** Display jobs manager to check added jobs.
- **Save track:** Save the selected track as a new file using the extension on the right.
- **Mux all:** Multiplex current selected tracks as a new file.

Format: mkv Items language: Encoding parameters: -c:a copy Tracks: 9

Output path: ..\FFBatch

Buttons: Set as default, Reset, Browse

- **Format:** output extension for Mux button.
NOTE: Some containers can be incompatible with selected tracks. Only mkv ensures virtually any audio/video codec compatibility.
- **Items language:** It changes **all items** language to the selected here.
- **Encoding parameters:** By default tracks are in stream copy mode. You can selected a different encoding writing the parameters of your choice.
 - **NOTE:** Depending on the track type, -c:v, -c:a or -c:s are assumed, so if you write them they will be rejected.
- **Set as default:** Saves the encoding parameters as the default for that track type.
- **Reset:** Reverts to the default 'copy' mode.

STREAM MULTIPLEX BATCH JOBS

Multiplex jobs manager

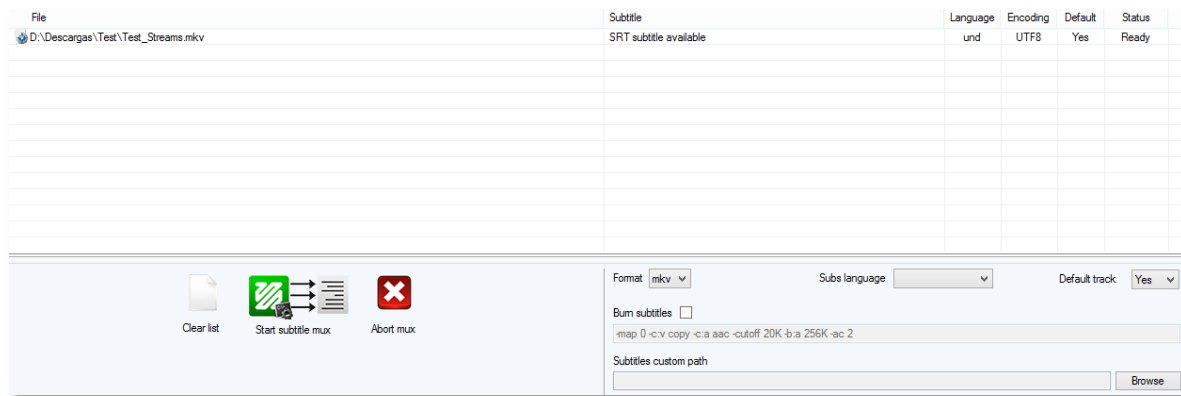
Multiplex Jobs manager

Nr	Filename	Fmpeg parameters	Streams	Duration	Output	
1	Connected.The.Hidden.Scie...	+ "D:\Descargas\Connected.The.Hidden.Science.Of.Everything.S01.1080p\Connected.The.Hidden.Science....	3	0:45:03.39	"D:\Descargas\Connected....	✖
2	Connected.The.Hidden.Scie...	+ "D:\Descargas\Connected.The.Hidden.Science.Of.Everything.S01.1080p\Connected.The.Hidden.Science....	1	0:45:03.39	"D:\Descargas\Connected....	✖
3	Connected.The.Hidden.Scie...	+ "D:\Descargas\Connected.The.Hidden.Science.Of.Everything.S01.1080p\Connected.The.Hidden.Science....	33	0:39:07.04	"D:\Descargas\Connected....	✖
4	Connected.The.Hidden.Scie...	+ "D:\Descargas\Connected.The.Hidden.Science.Of.Everything.S01.1080p\Connected.The.Hidden.Science....	23	0:39:07.04	"D:\Descargas\Connected....	✖

Buttons: Clear list, Close window, Start mux jobs

This manager allows to remove or reconfigure jobs output, and start muxing jobs on the list.

BATCH SUBTITLES

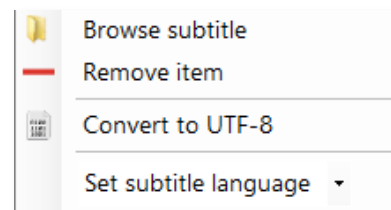


In this tab you can mux subtitles in either SRT, ASS, or Vobsub formats. SRT and ASS can be detected automatically if they are available in the same folder and with the same source filename. If the name is the same but in a different folder, you can use the 'Subtitles custom path'.

You can double-click on the subtitle list item to browse for it.

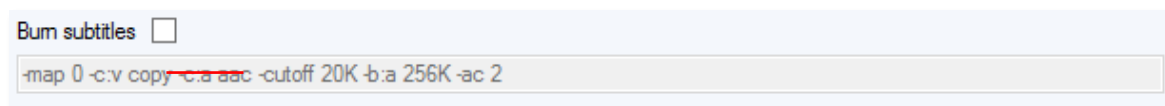
In the right-click menu:

- **Browse subtitle:** To locate the item subtitle file.
- **Convert to UTF-8:** For non-english languages, wrong charactes can be found unless you ensure the subtitle file is UTF-8 compliant.






BURNING SUBTITLES


By default, subtitles are muxed as an additional file stream, but it is also possible to hard-code (burn) them in the video. Enabling this option requires to encode the video again. Stream copy (**-c:v copy**) can't be used and will provoke an error.





BATCH URLs


In this tab you can batch capture m3u8, YouTube links, playlists, as well as other direct download urls.


Thumbnail	URL	URL Duration	Capture time	Output name	Status
	https://www.youtube.com/watch?v=X4uPW242eFA	1:14:21	1:14:21	FAREWELL 1 TOUR LIVE IN MELBOURNE 2004 HD, FULL CONCERT	Ready
	https://www.youtube.com/watch?v=Qp1YELtdzo	1:31:24	1:31:24	The Eagles Greatest Hits 2018 The Eagles Full Albums Best Songs ...	Ready
	https://www.youtube.com/watch?v=Dq7kAVk66m4	00:6:15	00:6:15	Eagles - Lyrin' Eyes - (Remastered) HD	Ready


 Clear URL list


 Add URLs from file


 Add YouTube URLs from file


 Validate URLs


 Stop validation


 Get URL streams

 Remove error rows

 Sequential download

 Multi URL download


 Skip current


 View log file

Concurrent downloads

YouTube settings

- ☐ Download speed limit MB/s
- ☐ Clear download cache
- ☐ Embed metadata
- ☐ Embed subtitles
- ☐ Save subtitles ☐ Convert to srt

Youtube-dl version 2020.05.08 

Output path 

Youtube-dl params ☐

Output server url ☐

You can right-click to paste either a list m3u8, YouTube or other compatible links, or you can add them using a text file. Every url is parsed to ensure and the best reported quality is downloaded by default.

For m3u8 links, you can edit the capture time, to save only part of the url stream. You can also change the output file name, which is generated automatically depending on the url metadata.

- Sequential download: Captures streams sequentially one at a time, showing average bitrate and estimated file output size.
- Multi URL download: It will launch the number of concurrent downloads configured below.

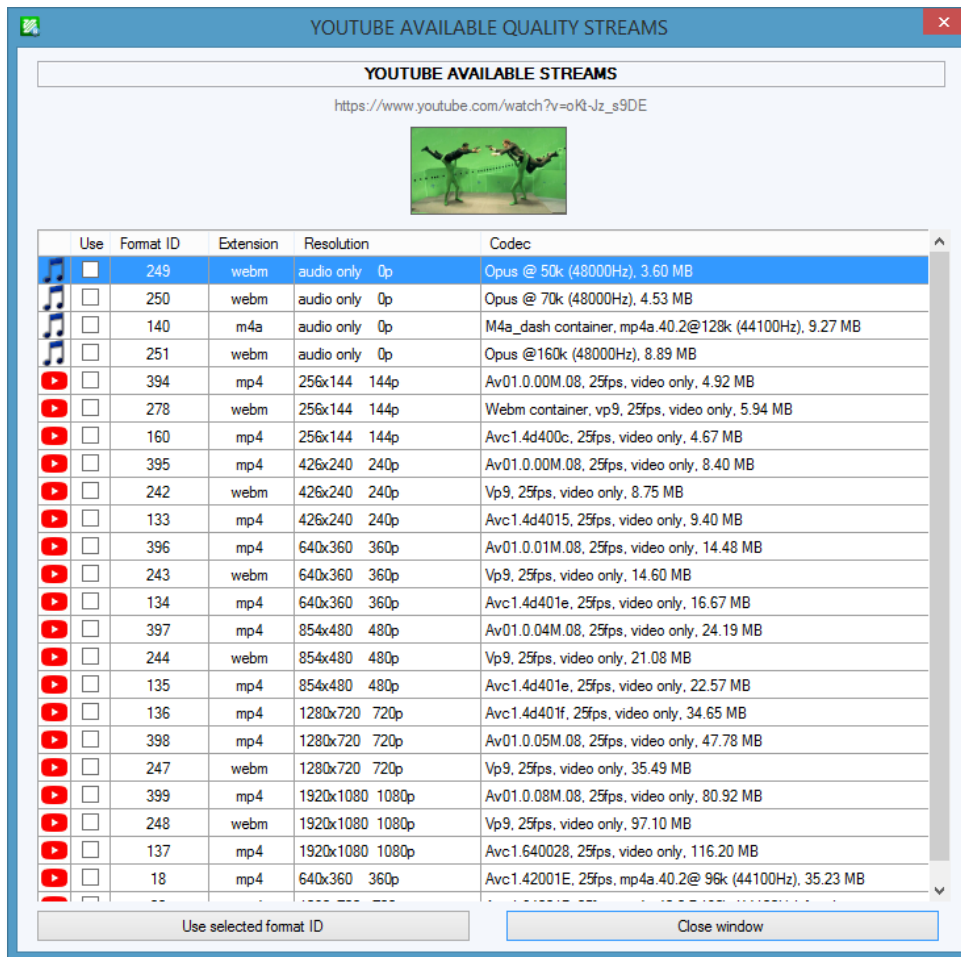
Custom parameters ☐

Output to server url ☐

If enabled, this field serves for M3u8 or Youtube-dl custom parameters.

- For M3u8, only http/https links are supported. Some streams will only work with either mp4 or mkv format.
- For YouTube links the following scenarios are available:
 - Paste one or more video links, so they are downloaded using the best quality found.
 - Paste a playlist link: Its contents will be obtained and added as individual video download items.
 - Add a bunch of video links.
 - Add a bunch of playlists: All their videos will be added and downloaded.
 - Add a live streaming link to the list: It will be recorded until user aborts or stops it.
- On YouTube links, the stream labeled as best is downloaded by default.
NOTE: Sometimes the labeled “best” stream is not the one with higher resolution.

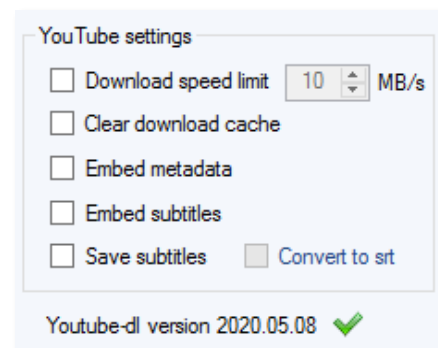
SHOW URL STREAMS



This dialog shows the selected URL streams information. For YouTube links, it is possible to select up to two streams so they are used as download parameters. (The stream labeled as “best” is always downloaded by default if no selection is made).

YOUTUBE SETTINGS

- Download speed limit: Maximum transfer rate for sequential or multi-url download.
- Clear download cache: It can help avoid some download errors, especially when resuming downloads.
- Embed metadata: Source metadata is written to destination file.
- Embed subtitles: If available, all source subtitles are embedded to destination file (requires mkv container).
- Save subtitles: It saves subtitles as file, using original or subrip (srt) format.



Youtube-dl version is checked on startup, and can be easily updated to the latest version.

QUICK LINK AND PLAYLIST DOWNLOAD

Quick link/playlist download

HOW TO OBTAIN A YOUTUBE CHANNEL DOWNLOAD LINK

- Go to YouTube channel main url, and click on VIDEOS tab.
- Copy the url and paste on channel field.
- Example: `https://www.youtube.com/user/[channel_name]/videos`

Link/playlist URL

Additional parameters

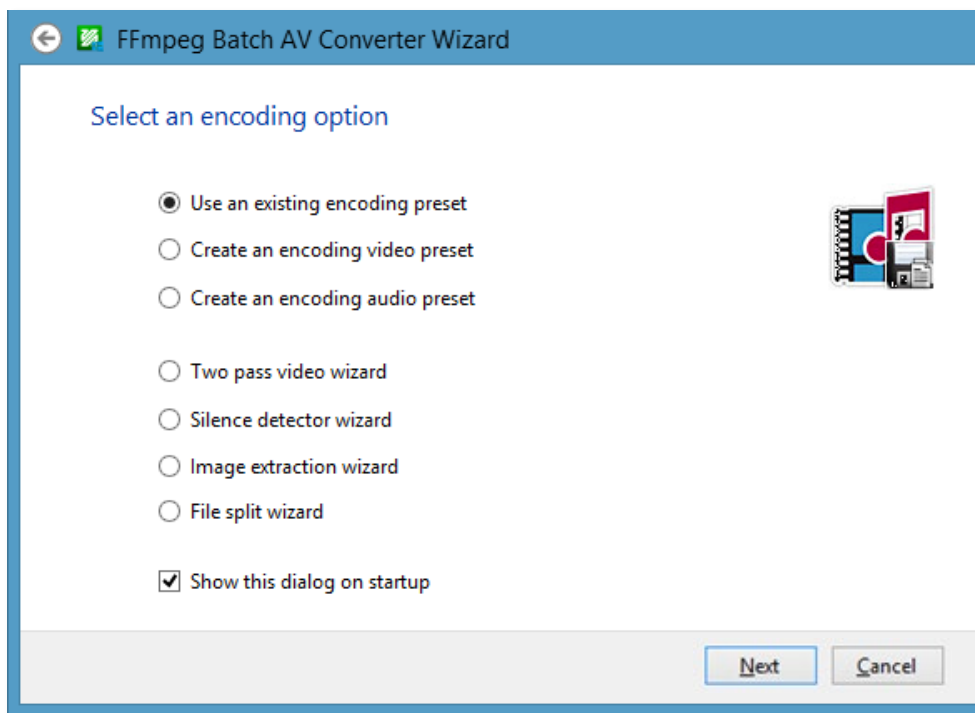
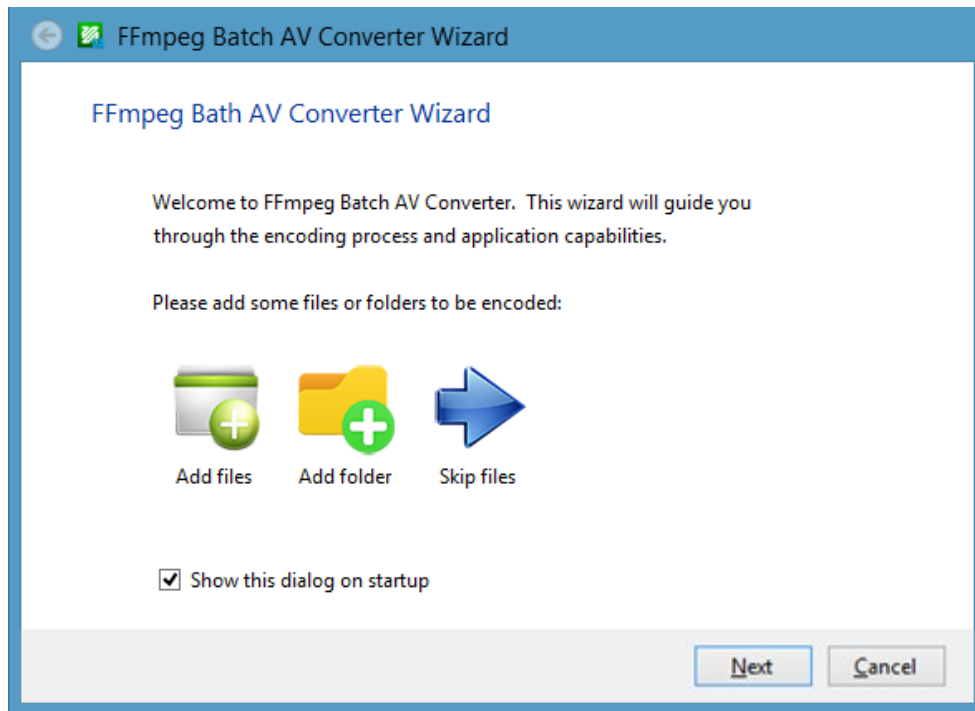
File destination path

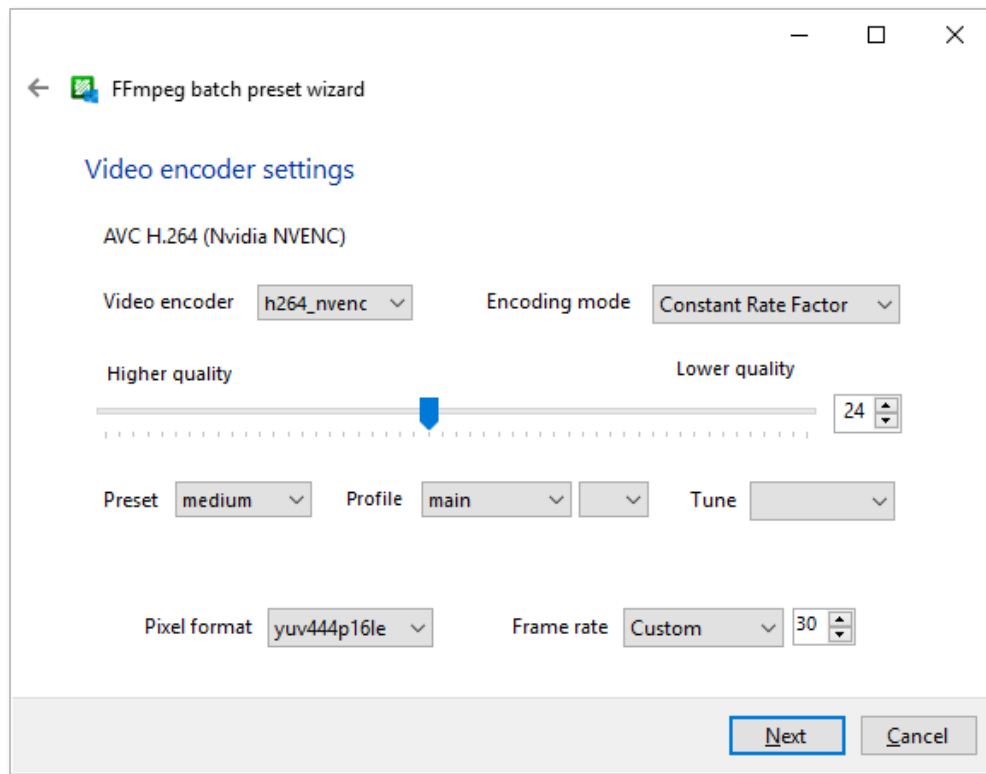
2%
2%

- This feature attempts to download all of a YouTube channel, playlist or any other link that is compatible with youtube-dl.
- It is useful to download long playlists, as it does not verify every single video availability, so downloading can start immediately.
- Total video count is compared to the contents of destination folder, so it is recommended to always download to an empty folder.
- Total channel video count may differ from total download count, since unavailable or removed videos appear on total count. Channel live streams are not downloaded.

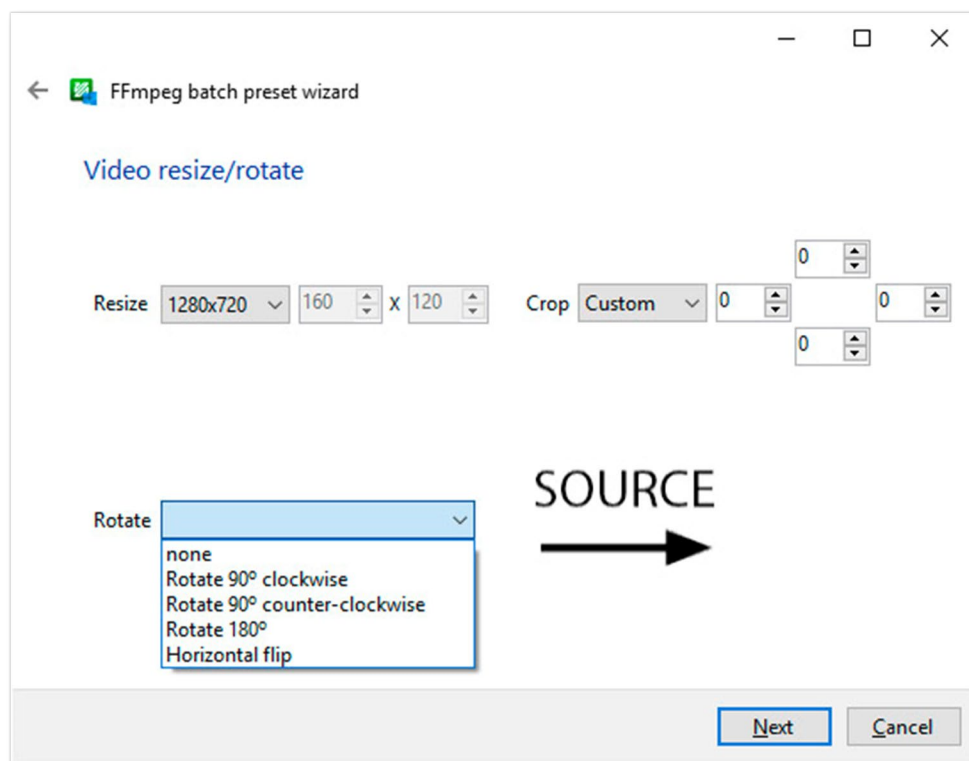
FFMPEG BATCH AV CONVERTER WIZARD

This wizard helps you quickly create basic ffmpeg encoding projects, which you can tweak or save later on at main screen. You can create video or audio presets, with most used ffmpeg encoders and the most typical parameters for each choice.

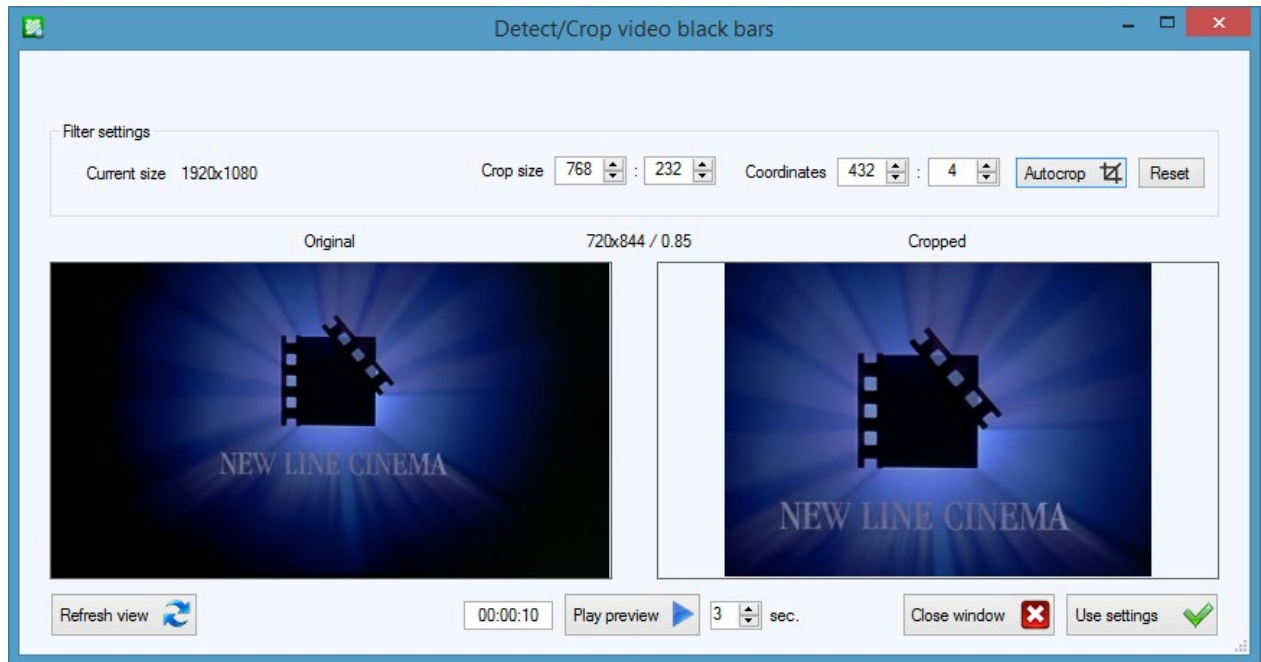




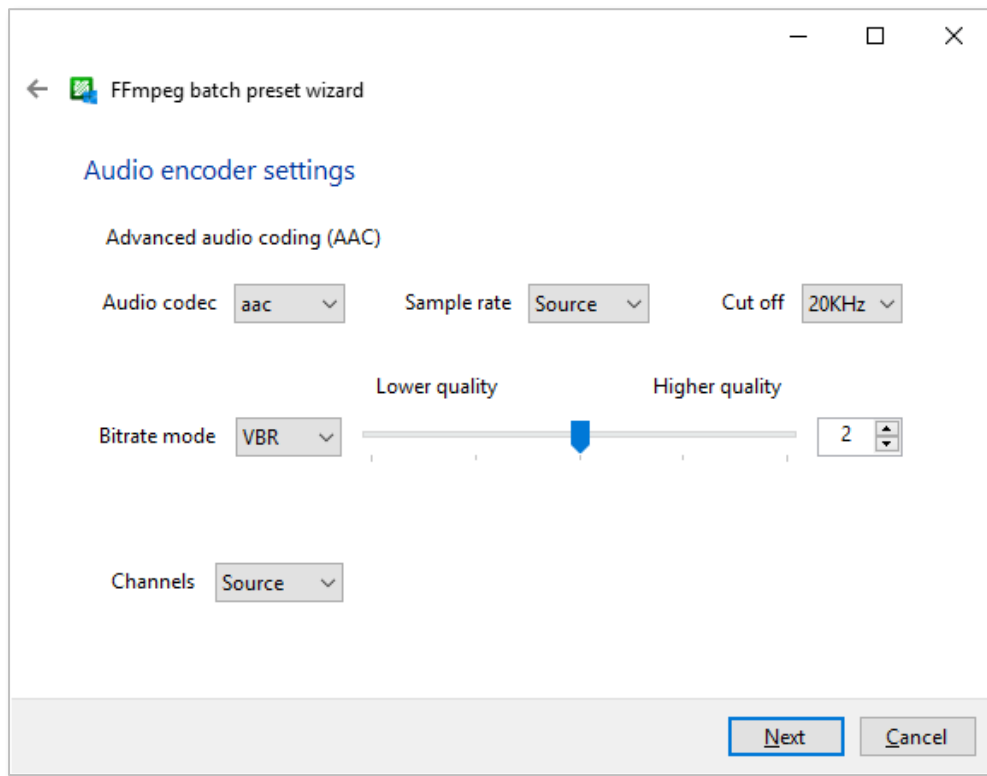
You can also include resizing, cropping or rotating in your preset. These filters can be used combined, by separating them by comma, and putting all of them in brackets.



VISUAL CROP DIALOG: Autodetects black bars, and also allows manual cropping. It adds a parameter -vf crop to encoding parameters. You can preview the result rencoding a few seconds source video.

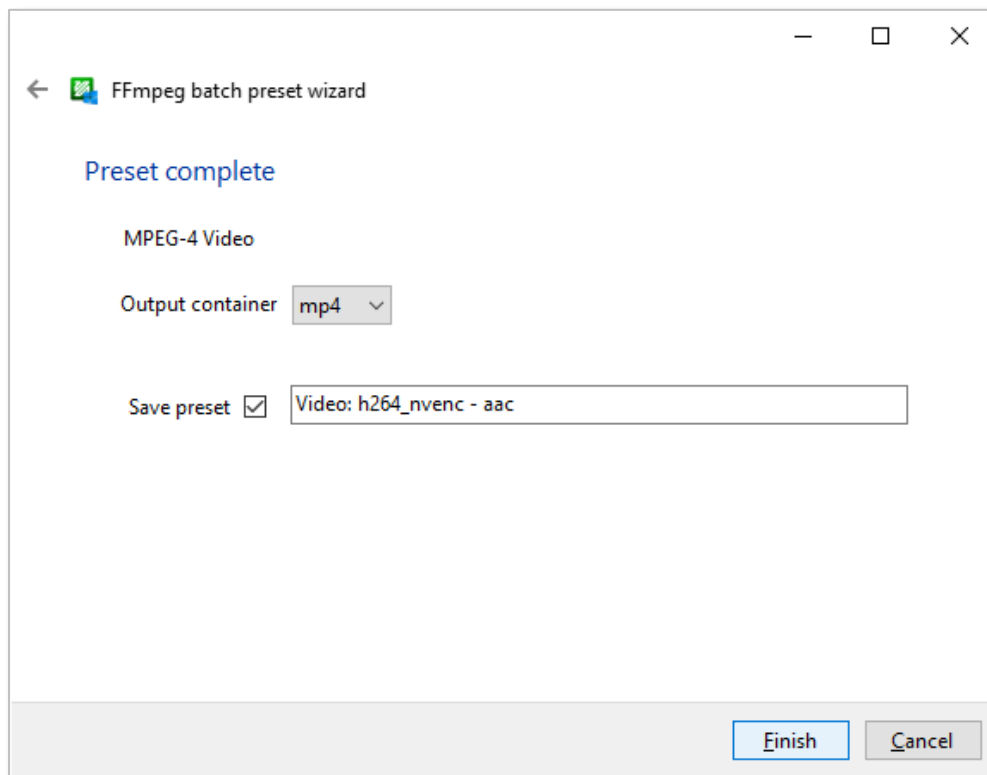


Audio encoding settings are available with easy settings selectors.



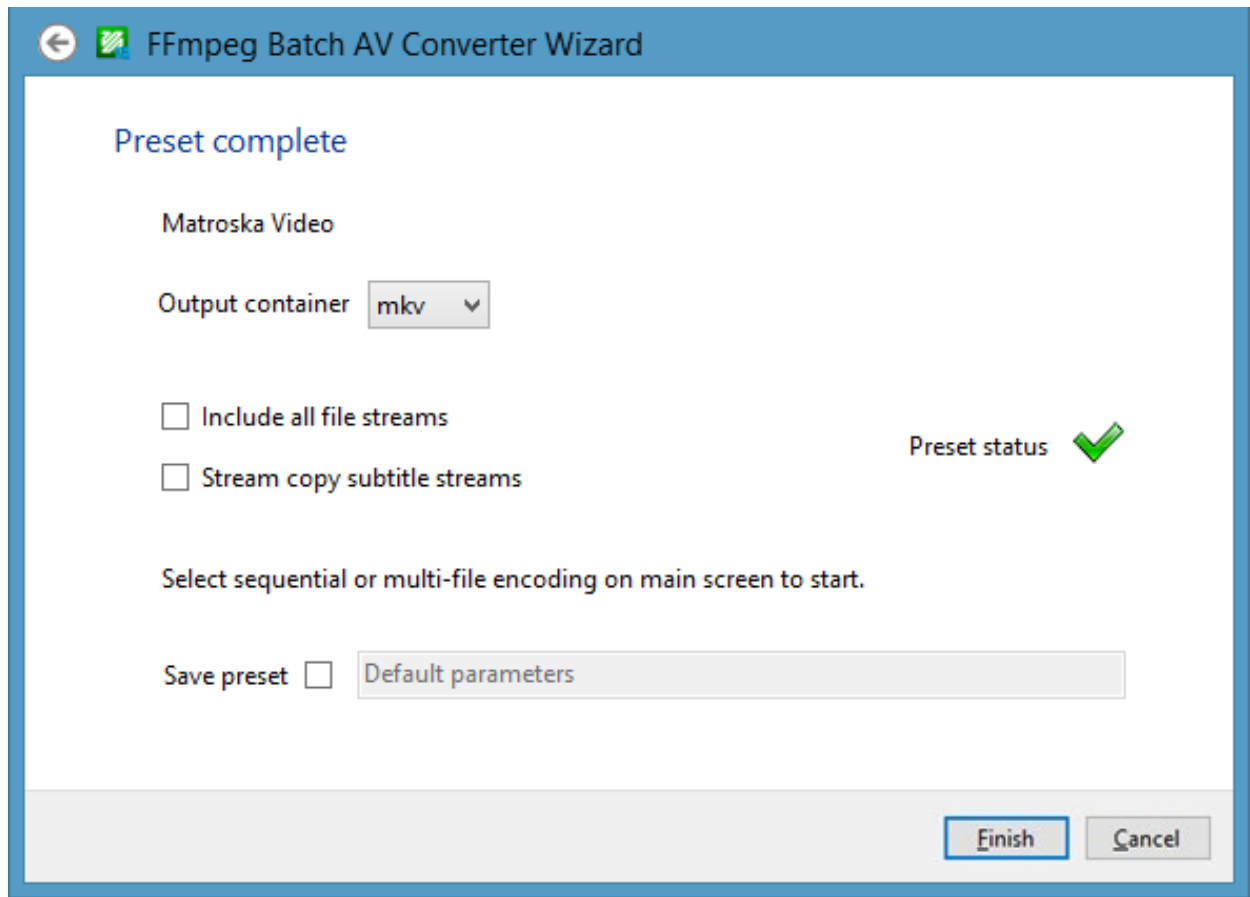
The screenshot shows the 'FFmpeg batch preset wizard' window. The title bar includes a back arrow, the application icon, and the text 'FFmpeg batch preset wizard'. The main heading is 'Audio encoder settings'. Below this, it says 'Advanced audio coding (AAC)'. There are three dropdown menus: 'Audio codec' set to 'aac', 'Sample rate' set to 'Source', and 'Cut off' set to '20KHz'. A 'Bitrate mode' dropdown is set to 'VBR'. Below it is a slider with 'Lower quality' on the left and 'Higher quality' on the right; the slider is positioned towards the right, and a numeric input box next to it shows the value '2'. At the bottom, there is a 'Channels' dropdown set to 'Source'. At the very bottom of the window are two buttons: 'Next' and 'Cancel'.

Finally you can select the container (mkv is default for video), and save your preset.



The screenshot shows the 'FFmpeg batch preset wizard' window at the 'Preset complete' stage. The title bar is the same as the previous window. The main heading is 'Preset complete'. It shows 'MPEG-4 Video' as the selected video format. The 'Output container' dropdown is set to 'mp4'. There is a 'Save preset' checkbox which is checked. To the right of the checkbox is a text input field containing the text 'Video: h264_nvenc - aac'. At the bottom of the window are two buttons: 'Finish' and 'Cancel'.

NOTE: Not all video/audio codec combinations lead to a valid ffmpeg preset, given the great number of file encoding and format combinations. Although you will get some warnings, the wizard flexibility can lead to wrong configurations, like incompatible pixel formats, unsupported audio codec for selected container, etc. For that reason preset is validated at the final screen, and preset status shows the result.



The screenshot shows a Windows-style dialog box titled "FFmpeg Batch AV Converter Wizard". The main heading is "Preset complete". Below this, the output format is set to "Matroska Video". The "Output container" is a dropdown menu currently showing "mkv". There are two unchecked checkboxes: "Include all file streams" and "Stream copy subtitle streams". To the right of these, the "Preset status" is indicated by a green checkmark. A line of text reads "Select sequential or multi-file encoding on main screen to start." At the bottom left, there is a "Save preset" checkbox followed by a text input field containing "Default parameters". At the bottom right, there are two buttons: "Finish" and "Cancel".

FFmpeg Batch AV Converter Wizard


Preset complete

Matroska Video

Output container

☐ Include all file streams

☐ Stream copy subtitle streams

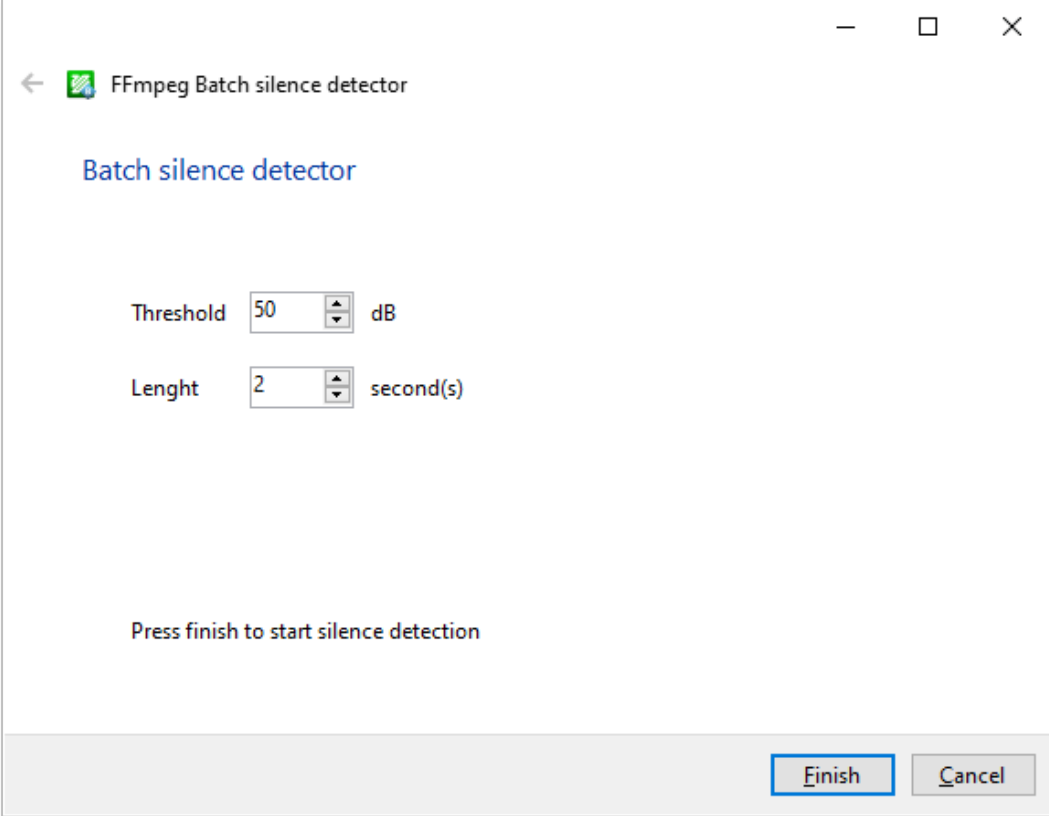
Preset status 

Select sequential or multi-file encoding on main screen to start.

Save preset ☐

SILENCE DETECTOR WIZARD

This wizard allows to use the detect silence filter to find silence intervals in audio streams.



The screenshot shows a Windows-style dialog box titled "FFmpeg Batch silence detector". It features a back arrow icon and a title bar with standard window controls. The main content area is titled "Batch silence detector" in blue text. Below this, there are two settings: "Threshold" set to 50 dB and "Lenght" (sic) set to 2 seconds. At the bottom, there is a message "Press finish to start silence detection" and two buttons: "Finish" and "Cancel".

FFmpeg Batch silence detector

Batch silence detector

Threshold 50 dB

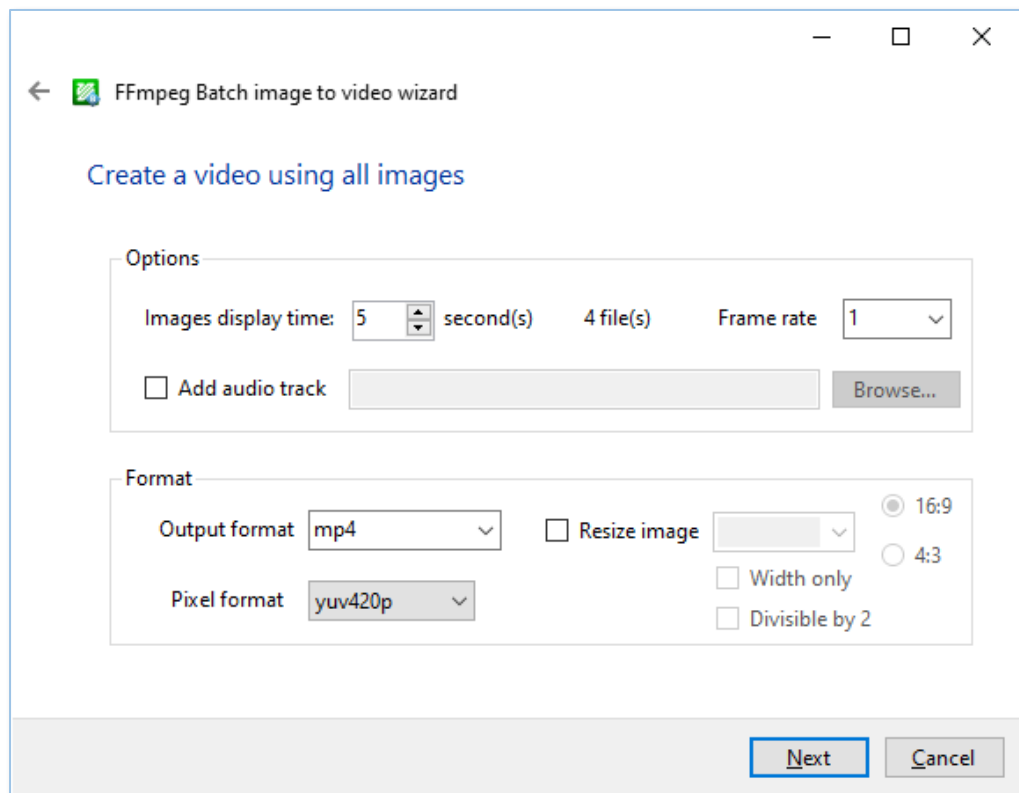
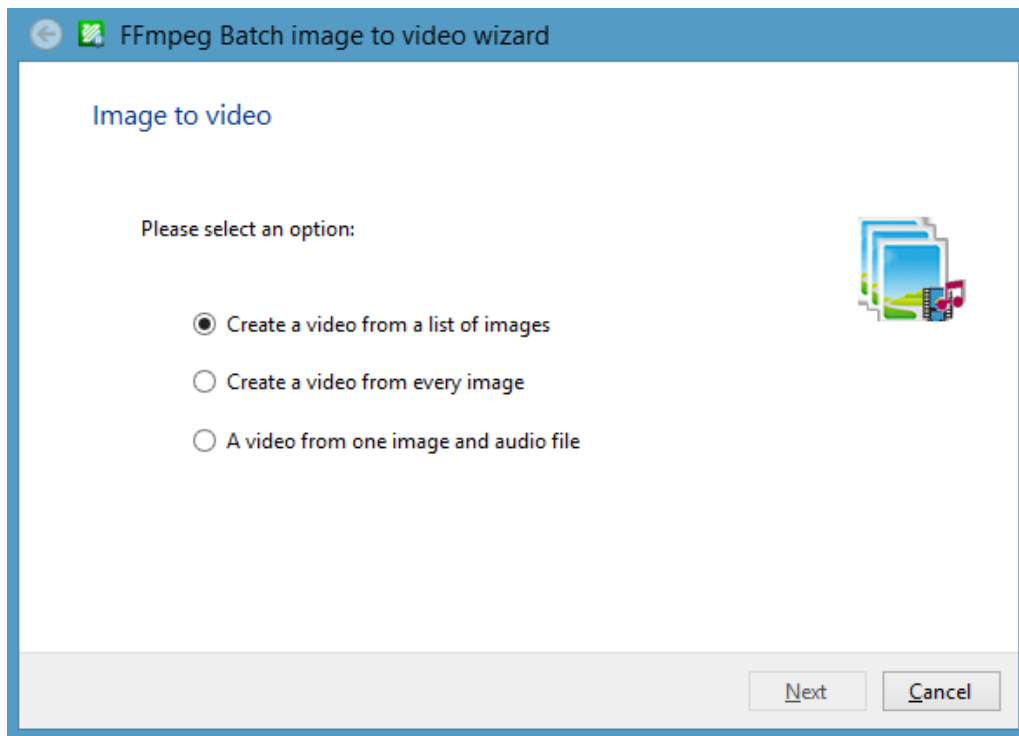
Lenght 2 second(s)

Press finish to start silence detection

Finish Cancel

IMAGE TO VIDEO WIZARD

This wizard allows to create a video from still images, or create a video from each list image.



FFmpeg Batch image to video wizard

Create a video from every image

Options

Duration

5

second(s)

Frame rate

1

☐

Add audio track

Browse...

Format

Output format

mp4

☐

Resize image

Pixel format

yuv420p

☒ 16:9

☐ 4:3

☐ Width only

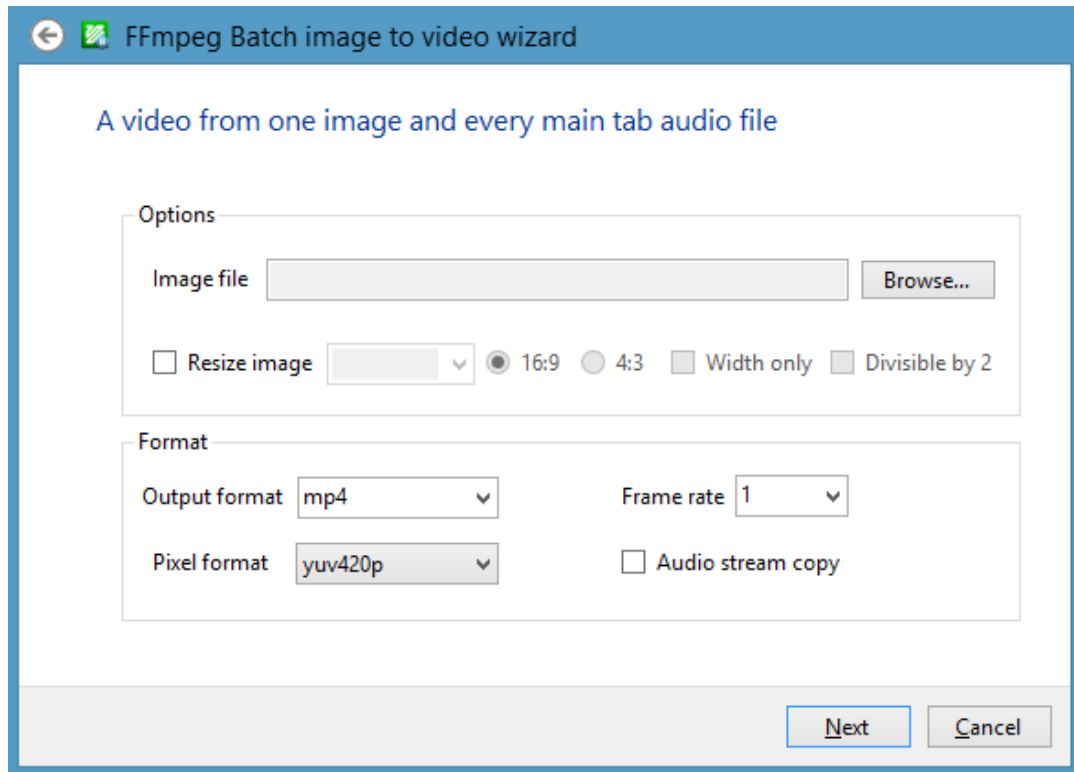
☐ Divisible by 2

Next

Cancel

Create a video from an image and audio file

This choice creates a video clip with the selected file and each audio file on the main list. It can also use audio first stream from video files on the list.



The screenshot shows a Windows-style dialog box titled "FFmpeg Batch image to video wizard". The title bar is blue with a back arrow icon and a small green icon. The main content area is white and contains the following elements:

- A blue subtitle: "A video from one image and every main tab audio file".
- An "Options" section with a light gray border:
 - "Image file" label followed by a text input field and a "Browse..." button.
 - A "Resize image" checkbox followed by a dropdown menu.
 - Aspect ratio options: ☒ 16:9, ☐ 4:3, ☐ Width only, and ☐ Divisible by 2.
- A "Format" section with a light gray border:
 - "Output format" label followed by a dropdown menu showing "mp4".
 - "Frame rate" label followed by a dropdown menu showing "1".
 - "Pixel format" label followed by a dropdown menu showing "yuv420p".
 - An "Audio stream copy" checkbox.
- A gray footer bar containing two buttons: "Next" (highlighted with a blue border) and "Cancel".

IMAGE EXTRACTION WIZARD

This wizard allows to save video frames as images, depending on user preferences.

The screenshot shows a Windows-style dialog box titled "FFmpeg Batch image extraction preset wizard". The main heading inside is "Batch image extraction preset". There are two main sections: "Extract" and "Format".

Extract section: It contains four radio buttons: "Every" (selected), "Every", "Every frame", and "Every keyframe". Below the first "Every" radio button are two input fields: "1" followed by "second(s)" and "10" followed by "frame(s)".

Format section: It contains an "Output format" dropdown menu set to "jpg", a "Resize image" checkbox (unchecked), and two aspect ratio radio buttons: "16:9" (selected) and "4:3".

Below the "Format" section, there are two options for the output path: "Relative output path" (selected) with a text field containing "..\\FF_thumbs", and "Absolute output path" (unchecked) with an empty text field and a "Browse" button. There is also a "Use source filename" checkbox (checked) with an empty text field.

At the bottom right, there are "Next" and "Cancel" buttons.

Available choices are:

- Extract every n seconds.
- Extract every n frames.
- Extract all video frames.
- Extract all video keyframes.

Available output formats are:

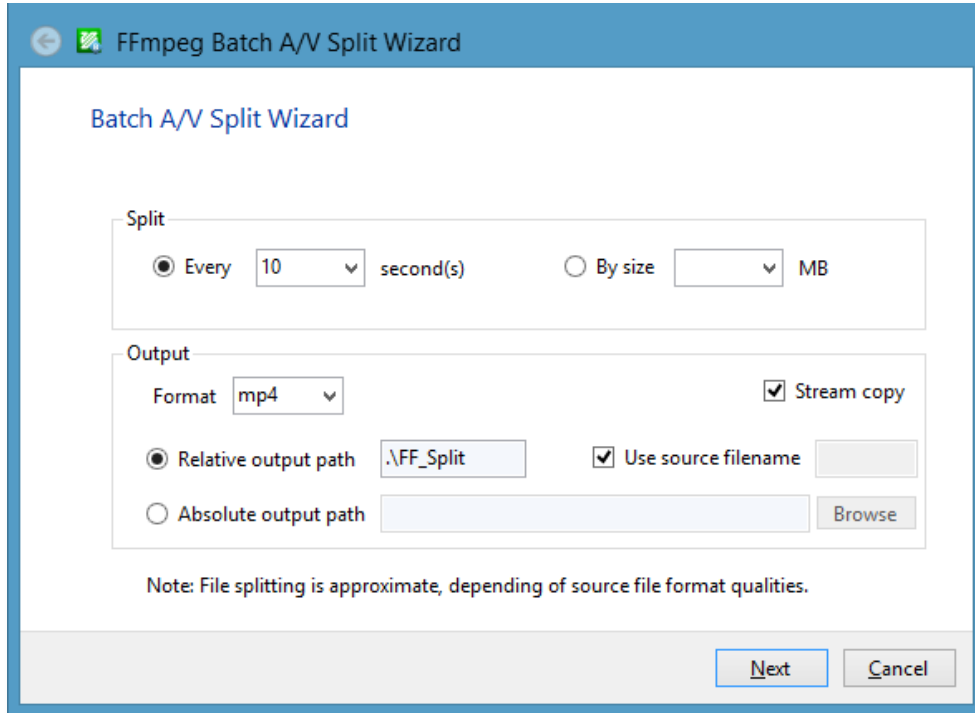
- JPG (default good quality).
- JGP (Very high quality).
- JPG (Low quality).
- PNG (Standard compression).
- PNG (Higher compression).
- BMP.

Naming uses by default the input filename adding a sequence number.

Be default, images are stored on a subfolder of input files. Absolute paths can be selected, but if naming is fixed, overwriting can occur.

A/V SPLIT WIZARD

This wizard allows to split any a/v file into fixed duration pieces. It also allows to split files by approximate file size.



The screenshot shows the first step of the 'FFmpeg Batch A/V Split Wizard'. The window title is 'FFmpeg Batch A/V Split Wizard'. The main heading is 'Batch A/V Split Wizard'. Under the 'Split' section, the 'Every' radio button is selected with a value of '10' seconds, and the 'By size' option is unselected. The 'Output' section shows 'Format' set to 'mp4', 'Stream copy' checked, and 'Relative output path' set to '.\FF_Split' with 'Use source filename' checked. The 'Absolute output path' is empty with a 'Browse' button. A note at the bottom states: 'Note: File splitting is approximate, depending of source file format qualities.' At the bottom right are 'Next' and 'Cancel' buttons.

FFmpeg Batch A/V Split Wizard

Batch A/V Split Wizard

Split

☒ Every 10 second(s) ☐ By size MB

Output

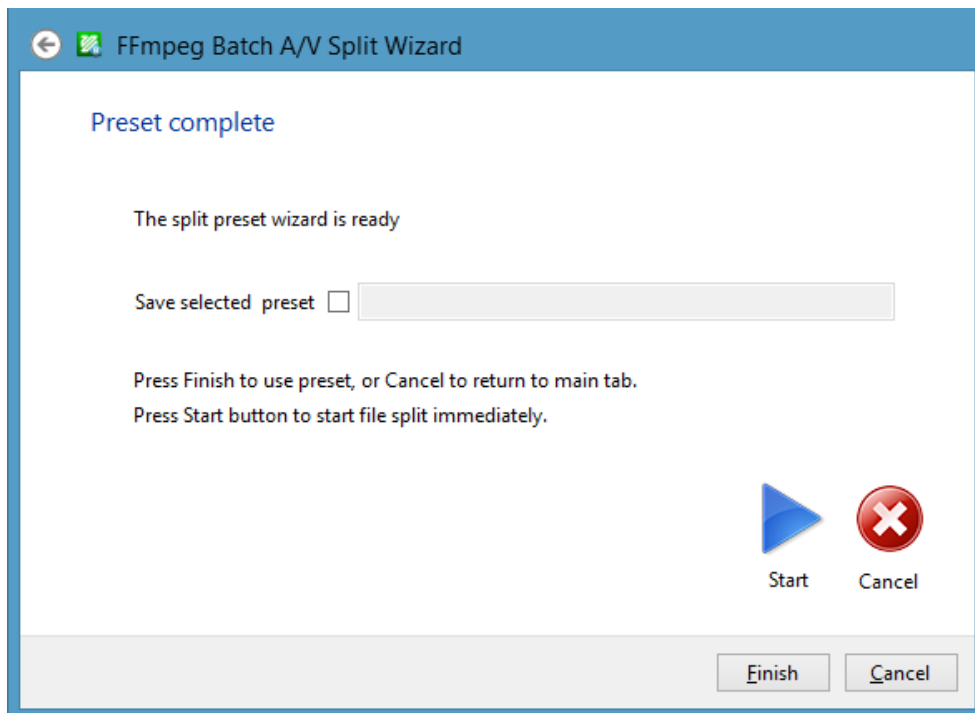
Format mp4 ☒ Stream copy

☒ Relative output path .\FF_Split ☒ Use source filename

☐ Absolute output path Browse

Note: File splitting is approximate, depending of source file format qualities.

Next Cancel



The screenshot shows the second step of the 'FFmpeg Batch A/V Split Wizard'. The window title is 'FFmpeg Batch A/V Split Wizard'. The main heading is 'Preset complete'. The text says 'The split preset wizard is ready'. There is a 'Save selected preset' checkbox and an empty text field. Instructions below state: 'Press Finish to use preset, or Cancel to return to main tab.' and 'Press Start button to start file split immediately.' At the bottom right are 'Start' (play icon) and 'Cancel' (red X icon) buttons. At the bottom are 'Finish' and 'Cancel' buttons.

FFmpeg Batch A/V Split Wizard

Preset complete

The split preset wizard is ready

Save selected preset ☐

Press Finish to use preset, or Cancel to return to main tab.
Press Start button to start file split immediately.

Start Cancel

Finish Cancel