



Version 1.5

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<http://www.winff.org>

**Convert your videos quickly, easily, and all at once with
WinFF and FFmpeg.**

Introduction

WinFF is a GUI for the command line video converter, [FFMPEG](http://ffmpeg.org). It will convert most any video file that FFmpeg will convert. For example: you can convert your camera, phone, and internet videos into videos for multiple phones, websites, and media players.

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General Public License as published by the Free Software Foundation, either version 3 of the License, or any later version. Copies of the latest and previous source code archives are available at WinFF.org.

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PURPOSE. See the [GNU General Public License](http://www.gnu.org/licenses/gpl-3.0.html) for more details.

FFmpeg is a separate project, not connected to WinFF. "FFmpeg is a complete, cross-platform

solution to record, convert and stream audio and video. It includes libavcodec - the leading audio/video codec library." FFmpeg is a Trademark of Fabrice Bellard, originator of the FFmpeg project. Ffmpeg is free software and is licensed under the LGPL or GPL. Specifically in the case of versions of Ffmpeg packaged with WinFF, FFmpeg is licensed under the GPL. Complete FFmpeg documentation and sources are available Ffmpeg.org

Using WinFF for the First Time.

After installing WinFF, Open WinFF. You will see the main window. At the top are the Buttons. Below them is the File List. Next is the Options.

The first thing to do is select the format you wish for your videos. In the Option Details, you will see Convert To. For example you may wish to convert your video to MPEG4 or Google Android. You can choose Audio if you are converting audio files. You can also convert videos file to audio files.

Next is the Preset (Preset Configurations). If you chose MPEG4, you may choose Mpeg4 720p. You may also choose Full Screen or Widescreen, as appropriate.

Then is the Output Folder (or destination directory). This is where you wish to put your converted videos. You may also check the Use Source box to use the folder that the video files are in.

To add your videos, click the Add button. Browse to the videos you wish to convert. You can select multiple videos at one time. You can also drag and drop your videos files on to the WinFF window. If you add the wrong video you can click on the video and click the Remove button. To remove all the videos in the File List, click the Clear button.

To play a movie, click the Play button.

To preview a video you wish to convert, click the Preview button. The Preview button will convert one minute of you video and play it. Some video conversions will take a long time depending each video, the number of videos, the format chosen, and your computer. You may wish to preview a video before converting them all.

To start the conversion, click the Convert button. A Command Window will open. FFmpeg will start converting. It is not important to know what FFmpeg is doing. Advanced users will be able to interput the output. Even if errors are reported, the video(s) may play fine. You can find more information about the output in the FFmpeg Documentation. You may close the WinFF window at this point. FFmpeg will continue converting. When the video(s) are done converting you will see, "Press any key to continue." After pressing a key the command window will close.

You videos are now converted. Not all videos will convert all the time. You should check the videos for errors.

Selecting Options for Videos

You can select different presets and options for different videos. You can convert some videos to one format, and others to other formats.

To select a video(s) click the video(s) in the File List. The options will change to the options of the current video. You can then change Convert To, Preset, and Output Folder for the video(s). Cancel Changes, Apply Changes, and Apply to All will then appear at the bottom of the WinFF main window. Click Apply Changes to apply the changes.

Click the Options Button to show the additional options. You will see new tabs next to the Output Folder Tab.

Clicking the Video tab will show the video options. You can change the Video Bitrate, Frame Rate, Video Size, Aspect Ratio, and Rotate the Video. The 2Pass check box will run Ffmpeg twice on the same video. Sometimes this will increase the quality of the final video(s). Deinterlace will make the video progressive as in 720p compared to 480i.

The audio tab shows the Audio Bitrate, Sample Rate, Audio Channels, Volume, and Sync. The Crop tab will allow you to crop the video. The time tab allows you to convert portions of a video.

The FFmpeg tab allows you to change the Ffmpeg command line. Additional Command Line Paramters allows advanced users to add parameters to Ffmpeg. The first and second pass allows parameters to be added to each respectively.

After changing the options, always remeber to click Apply Changes before choosing other files.

Navigating the Menus

Under the File Menu is Import Preset and Exit.

- Preset files are ".wff" files. The containe one or more preset configurations for various uses and devices. Depending on your operating system you may be able to just double click the preset file to import it in to WinFF.
- Of course Exit, exits WinFF.

Under the Edit menu is Presets and Preferences.

- Editing the Presets will allow you to change the presets or create new presets.
- Editing the Preferences will allow to change various things about WinFF's behavior.
- Both editing the Presets and the Preferences are addressed

further in this document.

Under the Options Menu is Additional Options, Display CMD Line, Pause on Finish, Shutdown on Finish, and Save Options to Preset.

- Additional Options will show or hide the Options, just as the Options button does.
- Display CMD Line will show a window that allows you to edit the script that WinFF creates to run Ffmpeg.
- Pause on Finish will display the, "Press any key to continue." at the end of the conversion. Unchecking Pause on Finish will close the command window automatically at the end of conversion.
- Shutdown on Finish will shut down the computer at the end of conversion. Some operating systems have problems with shutting down, especially older versions of windows.
- Save to Presets will save the current options to the currently selected preset. For example you may change the the MPEG4 preset to the options required for your phone, without editing the preset.

Under the Help menu you can open

- this documentation
- the WinFF website
- the mailing list
- the credits.

Editing the Presets

The presets editor is open by choosing "Presets" from the Edit menu. Once open you will see the list of presets. Clicking a Preset will fill the boxes below with the selected preset's information.

The Preset Name is an internal name used in the xml file.

- It must follow all the rules of an XML tag name.
- Namely, one word, only letters and numbers.
- If the preset name is the same as another preset the existing preset will be replaced by the current information.

The Preset Label is the label shown in the list of presets shown on the main window

- It may contain any characters you wish.
- It should be descriptive.
- About 40 characters max visible. Extra will be shown as "..."

The Commandline Parameters are the FFmpeg parameters for the preset.

- The params will be specified after “-i inputfile” and before the output filename.
- Spacing of params should be the same as if they were typed into the command line.
- Spacing before and after the params will be handled automatically
- Do not specify the input or output file names.
- Existing Presets are great examples.

The Preset Extension is the file extension of the output files.

- This also specifies the container format for the file.
- Use “-f ” in the params to force a particular format.

The Preset Category is the Category for the Preset to be shown in.

- To create a new category, just type a new name.
- To use an existing category, enter the category.

The Add/Update button adds or updates the current preset.

- You will be asked to confirm the addition or update.
- Once a preset is added it will be available in the main window but is not saved to disk
until the SAVE button is pressed.

The Delete button deletes the current preset.

The Save button saves the presets to presets.xml

The Close button closes the preset editor.

- Closes the window but does not save
- Preset changes are available in the main window, but not saved.
- If you have not saved, the next time WinFF is started the presets will revert.

The Import Button imports presets from a file.

- Name and Label must be unique or you will be asked to replace the preset.
- WinFF presets are saved as “.wff” files
- When importing if a preset already exists, WinFF will ask to replace it.

The Export button exports presets to a file

- Select the presets to export from the list.
- WinFF presets are saved as “.wff”
- .wff files are the same format as the main presets file

Preferences

General Preferences

The Default Directory is the directory that will be set as the destination directory at start up. If

Remember Last is checked then WinFF will remember the destination directory from the last time it was ran.

Remember Last Directory Used will set the output folder to the last folder before WinFF was closed.

Use Several Encoding Threads uses FFmpeg's -threads parameter. It work on some

codecs but not all and the codecs it works on is various in Windows and Linux. Two, four, and eight would be used for dual core, quadcore, eight-core processors.

Priority is the priority for the FFmpeg process when converting. Setting to high will use all

resources available to get done faster. Setting the Priority to Idle will only convert when the computer is doing nothing. In Linux a user is not allowed to set a priority higher than normal. So setting the priority to high will have no effect, unless WinFF is ran as root, which is not advisable.

Preferences For Windows

First things first: If WinFF is running under Windows the Linux/Unix tab is completely nonfunctional.

Don't worry about screwing anything up, cause it just won't happen.

The path to FFmpeg.exe is the full path to ffmpeg. Such as:

“C:\Program Files\WinFF\winff.exe”

You may change this to any location you have installed FFmpeg.exe. If you leave this blank, WinFF

will automatically revert to the location of WinFF.exe and assume FFmpeg.exe

is in the same directory. The path to ffplay.exe functions exactly like the path to ffmpeg.exe, except it should point to ffplay.exe.

Use CHCP for international characters set the code page for the command prompt with the

system setting. The CHCP command arbitrarily crashes on later versions of XP and Vista. If this is the case you can turn it off by unchecking the box for it. If it is unchecked though you will need to remove non ANSI characters from file names of the videos to be converted.

Preferences For Unix/Linux

Vice versa to Windows: If WinFF is running under Linux or another flavor of Unix. The Windows tab is completely non-functional. Don't worry about screwing anything up, cause it just won't happen.

The Path to FFmpeg is the full path to FFmpeg. Such as `"/usr/bin/ffmpeg"` You may change this to any location you have installed FFmpeg. The first time WinFF is ran, and anytime there after that `"~/winff/cfg.xml"` is not found (such as the user deleting it), WinFF will look for FFmpeg in `"/usr/bin"` and `"/usr/local/bin"`.

The Path to FFplay functions exactly like the path to FFmpeg, except it should point to FFplay.

The Terminal to Use is the full path to the terminal you wish to use. WinFF defaults to Xterm

as almost all X-windows systems have Xterm installed. On Debian/Ubuntu based systems, WinFF use the x-term-emulator symbolic link. You may use any terminal you like by specifying it's full path here. For example, to use Gnome-terminal under Ubuntu, you could specify this to be `"/usr/bin/gnometerminal"`, and specify the Terminal Options as `"-x"` instead of `"-e"`. To use Xterm under Slackware, this should be `"/usr/X11R6/bin/xterm"`.

The Terminal Options can be anything you like, but must include as the last option, the option to execute the remainder of the command line. Again for example, Xterm uses `"-e"`, and Gnome-Terminal uses `"-x"`.

Further Reading

For more help please see the documentation page at WinFF.org or the WinFF Mailing List.

For more in depth information on the FFmpeg command line please see <http://ffmpeg.org/ffmpeg-doc.html>. It contains the entire list of options and formats the can be set using FFmpeg. Googling for FFmpeg and the format will

give you some examples. Also existing presets will give you some good example of what should be specified.

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Codename Emma

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