

Harmonic (Rhozet) Carbon FFMPEG Exporter PlugIn

What it is

This PlugIn is designed as a coding enhancement for Harmonics (Rhozet) "Carbon Coder". It adds a so called exporter which allows to utilize FFMPEG as coding and muxing engine. This is not achieved by driving a standard FFMPEG build, but by making use of the libavcodec C++ API. The interface is completely native. Any output file is live encoded and muxed within the same transcoding step.

Load Target Preset	X
Category 	Presets Flash Exporter GXF Exporter H.264 Exporter HDV Target
E Audio B Broadcast CD/DVD DV Fast DVD V0B B Handheld Image Sequence B Legacy B MXF ▼	HTTP Live Streaming Exporter Interprocess Communication Exporter Ibavcodec (Ifmpeg) exporter LXF - NEXID Exporter MP3 Audio Exporter MP5G - 2 Exporter v2 MXF Exporter v2 MXF Exporter NTT-AT H.264 Exporter Ormeon Exporter v2
New New Sub Rename Delete Name libavcodec (ffmpeg) exporter	Modify Preset Delete Preset
Description Make use of the power of the ffmpeg libraries	
	OK Cancel

What to use it for

This product allows to encode to formats that are not supported by standard Carbon Coder. This mainly applies to open source formats. Beside this it allows to use alternative codes to achieve higher transcoding speed or better image quality.



How it works

The concept of this add-on is to act as a bridge between FFMPEG and Carbon Coder. This is achieved via Carbon's RPI plugIn API that allows to implement such a bridge which drives the FFMPEG standard "shared" builds (or "dll's").

Specifications

This add-on basically supports all formats (codecs and containers) that are supported by FFMPEG or respectively by the underlying codec pack libav. The most important are:

Containers formats:

- ASF
- AVI
- DV
- Flash 7, 8, 9 (SWF, FLV)
- GXF
- Matroska
- Apple MOV
- MP2
- MP3
- MPEG PS and TS
- MPEG-4
- MXF
- Ogg
- various RAW formats
- REDCODE R3D
- RealMedia
- RTMP, RTP, RTSP
- VC-1 bitstream
- WAV
- WebM

Codecs:

Audio:

- AAC
- AC-3
- AMR
- FLAC
- MP3
- PCM
- RealAudio
- MS Windows Media Audio

Video:

- Apple ProRes
- Avid DNxHD
- DV
- Flash FLV
- H.263
- H.264
- HuffYUV
- Motion JPEG
- MPEG-1
- MPEG-2
- MPEG-4
- VP8
- RealVideo
- MS Windows Media