

## MPlayer (1.0)

rc2: "AreWeThereYet?" October 7, 2007  
(SVN revisions: MPlayer r24722, FFmpeg r10677)

## DOCS:

- \* console messages and XML documentation converted to UTF-8
- \* Russian documentation translation finished
- \* Russian man page translation finished
- \* Chinese man page translation finished
- \* Chinese documentation translation started
- \* Documented get/set/step properties in DOCS/tech/slave.txt

## Decoders:

- \* Intel Music Coder audio decoding via lavc
- \* Monkey Audio audio decoding via lavc
- \* Fraps v2/v4 video decoding via lavc
- \* Video game codecs: 4XM audio, Electronic Arts ADPCM audio, Delphine CIN audio and video, Interplay DPCM audio, Sierra VMD video, Tiertex SEQ video, Westwood IMA ADPCM audio, XAN wc3 video, Id CIN video, Interplay video, XAN ADPCM audio, Westwood SND1 audio, Feeble Files DXA video, THP audio and video, Renderware TeXture Dictionary video, Bethesda Software VID video via lavc
- \* video game codecs: XAN wc4 video via binary DLL
- \* libmpeg2 updated to 0.4.1
- \* fixed resolution switching with libmpeg2
- \* handle resolution switching for Real codecs
- \* FFmpeg video decoder can now handle aspect ratio changes
- \* AMR now handled via libamr wrapper (<http://www.penguin.cz/~utx/amr>)
- \* SIMD optimizations for mp3lib under AMD64

## Demuxers:

- \* Implemented switch\_video and switch\_program consistently with switch\_audio (default keys are "\_" and TAB, respectively). For the time being program switching is only available in TS streams handled by demux\_ts.c (not libavformat), while video switching is also handled by demux\_lavf.c and demux\_avi.c.
- \* audio and video switching for the AVI demuxer (video switching untested)
- \* GIF demuxer improvements, should work with all GIFs now
- \* support for VC-1 in MPEG-TS and MPEG-PS files (BD,HD)-DVD
- \* support for EVO demuxing
- \* support -noidx with libavformat demuxer
- \* support for channel navigation with PVR input
- \* text subtitles should now work with libavformat demuxer
- \* cleaned up TiVo demuxer

## Streaming:

- \* authentication for Real RTSP streams
- \* near-precise seeking in dvd:// and dvdnav:// (dvdnav:// requires libdvdnav from mphq)
- \* speed selection when playing dvd:// streams, to make drive quieter
- \* support SVQ3 and H.264 in X-QT over RTSP, now RTSP Apple keynotes work (live555)
- \* SMIL playlist over Real RTSP
- \* support H.263-2000 over RTSP (live555)
- \* fix AAC-LATM over RTSP (live555)
- \* support AMR over RTSP (live555)
- \* support H.264 over RTSP (live555)
- \* "device" and "adevice" suboptions now work for the \*BSD BT848 TV driver
- \* dvdnav:// now depends on MPlayer's fork of libdvdnav
- \* teletext support for tv:// (v4l and v4l2 only)
- \* radio support for \*BSD BT848
- \* channel scanner for tv://
- \* fine tuning for tv://
- \* driver autodetection for tv://

- \* libnemesi RTSP/RTP support
- \* EOF detection for RTSP (live555)

#### FFmpeg/libavcodec:

- \* Intel Music coder audio decoder
- \* Fraps v2/v4 video decoder
- \* H.264 decoding speedup
- \* Slice-based parallel H.264 decoding (-lavdopts fast:threads=N)
- \* native NUT demuxer updated to spec
- \* native NUT muxer
- \* NUT muxing and demuxing support via libnut
- \* WMA encoder
- \* fix MJPEG-B on big-endian systems
- \* lowres support for some H.264 files
- \* DTS/DCA audio decoder
- \* Atrac 3 audio decoder
- \* MPEG-1/2 speedups
- \* RoQ muxer, video and audio encoder
- \* QTRLE encoder
- \* AC-3 decoder
- \* Matroska muxer
- \* Monkey's Audio demuxer and decoder
- \* Flac encoder and decoder speedups
- \* AMV demuxer and audio/video decoder

#### libmpeg2:

- \* iWMMXt-accelerated DCT and motion compensation for ARM processors

#### Filters:

- \* obsolete fame filter removed
- \* vf\_geq speed-ups
- \* vf\_yadif green frame fixed
- \* fix af\_pan when switching audio streams
- \* add audio left/right balance feature to af\_pan

#### MEncoder:

- \* write to output streams (currently only file:// and smb://)
- \* support -ffourcc with -of lavf
- \* removed B-frame warning message
- \* fixed bugs that would corrupt headers in the video stream when using telecining and not patch the TFF flag correctly

#### Ports:

- \* Complete Intel Mac support
- \* Hitachi SuperH (SH3) support
- \* Blackfin optimizations

#### Drivers:

- \* ALSA audio output now sets the non-audio bit for AC3 passthrough even if the user-specified default device name tries to clear it
- \* fixed internal VIDIX in Solaris/x86, also auto-enabled
- \* rework of internal VIDIX, now a fully static library with builtin drivers
- \* updated VIDIX ATI drivers
- \* Sun XVR-100 video output driver

#### Others:

- \* monitorpixelaspect=1 is now default. Set monitoraspect=4/3 to get the old behavior (if you have non-square pixels).
- \* libdvdcss updated to Subversion HEAD, now same as upstream version
- \* libmpdvdkit split into libdvddread and libdvdcss
- \* obsolete Xvid 3 support removed
- \* long-deprecated -vop option removed
- \* video stream switching
- \* dvdnav:// honor -alang and -slang
- \* support for doubleclick as input event

- \* -really-quiet works as expected now
- \* select libavformat demuxer (-lavfdopts format=)
- \* internal minilzo removed in favor of FFmpeg implementation, use liblzo2 for encoding
- \* change GUI dependency from libpng to libavcodec
- \* ability to change subtitle size during playback
- \* ability to turn loop on/off during playback
- \* Apple Remote support
- \* libdvdread updated to 0.9.7
- \* many compiler warning fixes

rc1try3: June 5, 2007 (unreleased)

Security:

- \* stack overflow in stream\_cddb.c fixed

rc1try2: December 31, 2006 (unreleased)

Security:

- \* buffer overflow in asmrp.c fixed

rc1: "Codename intentionally left blank" October 22, 2006  
(SVN revisions: MPlayer r20372, FFmpeg r6767)

DOCS:

- \* German documentation translation finished
- \* Russian documentation translation synced and almost finished

Drivers:

- \* IVTV hardware MPEG audio/video decoder output
- \* ALSA audio output: AC3 passthrough now works even when the device name of the digital output port has been set by the user
- \* bicubic OpenGL scaling works with ATI cards
- \* md5sum switched to the libavutil MD5 implementation
- \* support for libcaca 1.0 via compatibility layer

Decoders:

- \* liba52 updated to 0.7.4 (slightly faster)
- \* SSE optimizations for mp3lib
- \* removed support for obsolete and non-free divx4 libraries

Demuxers:

- \* audio stream switching in MPEG-TS/PS, Matroska and streams supported by libavformat
- \* audio stream switching between streams with different codecs
- \* libavformat demuxer now honors -alang
- \* chapter seeking in Matroska files
- \* fixed seeking to absolute and percent position for libavformat demuxer
- \* NUT demuxer using libnut
- \* Matroska SimpleBlock support

Inputs:

- \* split of stream layer from libmpdemux to new stream library
- \* PVR input for hardware MPEG encoder based cards, such as Hauppauge WinTV PVR-150/250/350/500 AKA IVTV but also pvrusb2 and cx88 (requires Linux >= 2.6.18 kernel, featuring native V4L2 MPEG API)
- \* native RTSP input (handles MPEG-TS over RTP) for generic RTSP servers
- \* support for seeking to chapters in dvd:// and dvdnav:// streams
- \* radio support (radio://)

FFmpeg/libavcodec:

- \* VC-1/WMV3/WMV9 video decoder

- \* Vorbis decoding speedup, now default Vorbis decoder
- \* VMware Video decoder
- \* On2 VP50 and VP62 decoder
- \* lossless audio decoders: WavPack, TTA, Shorten
- \* CAVS decoder
- \* GXF muxer/demuxer
- \* MXF demuxer
- \* much improved FLAC encoder
- \* more H.264 decoding speed improvements, plus support for -lavdopts fast
- \* Theora decoder fixes
- \* preliminary Vorbis encoder
- \* MTV demuxer

#### GUI:

- \* Windows version added
- \* drag-and-drop ignored last file
- \* save and load cache setting correctly
- \* working audio stream selection for Ogg and Matroska files
- \* executable names like gmpayer\_old etc. will now start GUI as well
- \* -gui/-nogui options
- \* xinerama fixes, now behaves similar to MPlayer without GUI

#### Filters:

- \* MMX-optimizations for -vf yadif
- \* MMX-optimizations for -vf zrmjpeg

#### MEncoder:

- \* support of x264 encoding via libavcodec
- \* rewrite -x264encopts option parser to use the 264 option parser;  
likely breaks 3rd party tools as the syntax of some options has changed
- \* removed support for obsolete and non-free divx4 libraries

#### Ports:

- \* partial Intel Mac support, --disable-win32 --disable-mp3lib is needed
- \* OpenGL can now create windows > screen size under Windows
- \* allow filenames starting with \\ for remote paths on Windows

#### Others:

- \* SSA/ASS subtitle renderer
- \* -endpos option for MPlayer
- \* -correct-pts option
- \* UTF-8 used for OSD and subtitles, some bitmap fonts will no longer work correctly and -subcp must be set for all non-UTF-8 subtitles
- \* more audio-truncation fixes
- \* libavutil mandatory for MPlayer compilation
- \* more intuitive -edlout behaviour
- \* -nortc is now default since -rtc has disadvantages with recent kernels