

# R&S® EPL1000 V1.20SP1

## R&S® EMI Test Receiver

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1350397700  
Version 31.00

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# Contents

<b>1</b>	<b>Introduction.....</b>	<b>5</b>
<b>2</b>	<b>Software packages.....</b>	<b>6</b>
<b>3</b>	<b>Verbatim license texts.....</b>	<b>13</b>
<b>4</b>	<b>Copyrights.....</b>	<b>88</b>
	<b>Annex.....</b>	<b>95</b>
<b>A</b>	<b>Intel(R) Math Kernel Library – 2020.1.216.....</b>	<b>95</b>
<b>B</b>	<b>Intel(R) Integrated Performance Primitives – 2020.1.216.....</b>	<b>97</b>
<b>C</b>	<b>Qt Commercial.....</b>	<b>99</b>
<b>D</b>	<b>Qt Commercial WebEngine.....</b>	<b>388</b>



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added two files in devpackage and changed cmakefile.txt for find\_package

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Version 3, 29 June 2007

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December 9, 2010

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MD4 (RFC-1320) message digest.

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Freetype 2 - Bitmap Distribution Format (BDF) support

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See also: "Polygon Offsetting by Computing Winding Numbers" Paper no. pp. 565-575 ASME 2005 International Design Engineering Technical

## Conferences

Computers and Information in Engineering Conference (IDETC/CIE2005)  
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## D Qt Commercial WebEngine

Attributions for Qt WebEngine 5.15.13

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Almost Native Graphics Layer Engine

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Breakpad, An open-source multi-platform crash reporting system

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Brotli

Project Homepage: <https://github.com/google/brotli>

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bspatch

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C++ port of zxcvbn, an advanced password strength estimation

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Project Homepage: <https://github.com/rianhunter/zxcvbn-cpp>

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Chromium OS system API

Project Homepage: <http://www.chromium.org/chromium-os>

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Closure compiler

Project Homepage: http://github.com/google/closure-compiler

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Compact Encoding Detection

Project Homepage: [https://github.com/google/compact\\_enc\\_det](https://github.com/google/compact_enc_det)

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d3

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dom-distiller-js

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are used by default, you have to explicitly pass `--enable-gpl` to  
configure to  
them. In this case, FFmpeg's license changes to GPL v2+.

Specifically, the GPL parts of FFmpeg are: - libpostproc - optional x86  
in the files



```

- `libavcodec/x86/flac_dsp_gpl.asm` - `libavcodec/x86/idct_mmx.c` -
- the following building and testing tools
- `compat/solaris/make_sunver.pl` - `doc/t2h.pm` - `doc/texti2pod.pl` -
- `tests/checkasm/*` - `tests/tiny_ssim.c`
- the following filters in libavfilter:
- `signature_lookup.c` - `vf_blackframe.c` - `vf_boxblur.c` -
- `vf_cover_rect.c` - `vf_cropdetect.c` - `vf_delogo.c` - `vf_eq.c` -
- `vf_fspp.c` - `vf_histeq.c` - `vf_hqdn3d.c` - `vf_kerndeint.c` -
  (GPL version 3 or later) - `vf_mcdeint.c` - `vf_mpdecimate.c` -
`vf_nnedi.c`
  `vf_owdenoise.c` - `vf_perspective.c` - `vf_phase.c` - `vf_pp.c` -
`vf_pp7.c`

- `vf_pullup.c` - `vf_repeatfields.c` - `vf_sab.c` - `vf_signature.c`
-
- `vf_spp.c` - `vf_stereo3d.c` - `vf_super2xsai.c` - `vf_tinterlace.c`
-
- `vf_vaguedenoiser.c` - `vsrc_mptestsrc.c`
Should you, for whatever reason, prefer to use version 3 of the (L)GPL,
then
  configure parameter `--enable-version3` will activate this licensing
option for
  Read the file `COPYING.LGPLv3` or, if you have enabled GPL parts,
  to learn the exact legal terms that apply in this case. There are a
handful of
  under other licensing terms, namely: * The files
`libavcodec/jfdctfst.c`,
  and
  `libavcodec/jrevdct.c` are taken from libjpeg, see the top of the files
for
  details. Specifically note that you must credit the IJG in the
documentation
  your program if you only distribute executables. You must also indicate
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  including additions and deletions to those three files in the
documentation.
  * `tests/reference.pnm` is under the expat license.

## External libraries

FFmpeg can be combined with a number of external libraries, which
sometimes
  the licensing of binaries resulting from the combination. ### Compatible

The following libraries are under GPL version 2: - avisynth - frei0r -
libcdio
  libdavs2 - librubberband - libvidstab - libx264 - libx265 - libxavs -
libxavs2
  libxvid When combining them with FFmpeg, FFmpeg needs to be licensed as
GPL as

```

by passing `--enable-gpl` to configure. The following libraries are under LGPL

3:

- gmp - libaribb24 - liblensfun When combining them with FFmpeg, use the option `--enable-version3` to upgrade FFmpeg to the LGPL v3.

The VMAF, mbedTLS, RK MPI, OpenCORE and VisualOn libraries are under the Apache

2.0. That license is incompatible with the LGPL v2.1 and the GPL v2, but not

version 3 of those licenses. So to combine these libraries with FFmpeg, the

version needs to be upgraded by passing `--enable-version3` to configure. The

library is under the GPL v3, to combine it with FFmpeg, the options and `--enable-version3` have to be passed to configure to upgrade FFmpeg

to the

v3.

### Incompatible libraries

There are certain libraries you can combine with FFmpeg whose licenses are not

with the GPL and/or the LGPL. If you wish to enable these libraries, even in

that their license may be incompatible, pass `--enable-nonfree` to configure.

will cause the resulting binary to be unredistributable. The Fraunhofer FDK AAC

OpenSSL libraries are under licenses which are incompatible with the GPLv2 and

To the best of our knowledge, they are compatible with the LGPL.

\*\*\*\*\*  
\*\*\*\*\*

libavcodec/arm/jrevdct\_arm.S

C-like prototype :

```
void j_rev_dct_arm(DCTBLOCK data)
```

With DCTBLOCK being a pointer to an array of 64 'signed shorts'

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bbrox@bbrox.org)

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libavcodec/arm/vp8dsp\_armv6.S

VP8 ARMv6 optimisations

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libavcodec/mips/acelp\_vectors\_mips.c

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libavcodec/mips/amrwbdec\_mips.c

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libavcodec/mips/celp\_math\_mips.c

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libavcodec/mips/fft\_mips.c

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Optimized MDCT/IMDCT and FFT transforms

```

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*****
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libavcodec/mips/mpegauddsp_mips_float.c

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libavcodec/x86/xvididct.asm XVID MPEG-4 VIDEO CODEC

Conversion from gcc syntax to x264asm syntax with modifications

by Christophe Gisquet <christophe.gisquet@gmail.com>

===== SSE2 inverse discrete cosine transform =====
Copyright (C)
Pascal Massimino <skal@planet-d.net>;

Conversion to gcc syntax with modifications by Alexander Strange

Originally from dct/x86_asm/fdct_sse2_skal.asm in Xvid. Vertical pass is
an
of the scheme:
  Loeffler C., Ligtenberg A., and Moschytz C.S.: Practical Fast 1D DCT
Algorithm
  Eleven Multiplications, Proc. ICASSP 1989, 988-991.

Horizontal pass is a double 4x4 vector/matrix multiplication, (see also
Intel's
Note 922:
  http://developer.intel.com/vtune/cbts/strmsimd/922down.htm Copyright
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  Corporation)
More details at http://skal.planet-d.net/coding/dct.html

===== MMX and XMM forward discrete cosine transform =====

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by
at AP-922 http://developer.intel.com/vtune/cbts/strmsimd/922down.htm
(See more
notes at http://developer.intel.com/vtune/cbts/strmsimd/appnotes.htm)
but in a
edition. New macro implements a column part for precise iDCT The routine
now satisfies IEEE standard 1180-1990. Copyright (C) 2000-2001 Peter
Gubanov
```

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&lt;walken@zoy.org&gt;

<http://www.elecard.com/peter/idct.html>  
<http://www.linuxvideo.org/mpeg2dec/>

These examples contain code fragments for first stage idCT 8x8 (for rows) and stage DCT 8x8 (for columns) conversion to gcc syntax by Michael Niedermayer

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*****
*****
libavformat/oggparsetheora.c
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libavutil/avsscanf.c

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libavcodec/mips/aacdec\_mips.c libavcodec/mips/aacdec\_mips.h  
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libavcodec/mips/amrwbdec_mips.h
libavcodec/mips/compute_antialias_fixed.h
libavcodec/mips/lsp_mips.h libavcodec/mips/sbrdsp_mips.c
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libavformat/oggdec.c libavformat/oggdec.h libavformat/oggparseogm.c

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libavformat/oggparsevorbis.c

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FidelityFX Single Pass Downsampler

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google-glog's symbolization library

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GVR Android SDK

Project Homepage: <https://github.com/googlevr/gvr-android-sdk>

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./test/smallvectors.cpp ./test/redux.cpp ./test/special_numbers.cpp
./test/resize.cpp ./test/mixingtypes.cpp ./test/product_trmv.cpp
./test/cholesky.cpp ./test/geo_quaternion.cpp ./test/miscmatrices.cpp
./test/integer_types.cpp ./test/product_large.cpp
./test/householder.cpp ./test/geo_orthomethods.cpp
./test/array_for_matrix.cpp
./test/upperbidiagonalization.cpp ./test/nomalloc.cpp
./test/packetmath.cpp
./test/geo_transformations.cpp ./test/swap.cpp
./test/inverse.cpp ./test/product_selfadjoint.cpp
./test/product_trsolve.cpp
./test/sparse_solver.h ./test/mapstride.cpp

./test/mapped_matrix.cpp ./test/geo_eulerangles.cpp
./test/eigen2support.cpp
./test/stdvector.cpp ./test/nesting_ops.cpp
./test/sparse_permutations.cpp
./test/exceptions.cpp ./test/vectorwiseop.cpp ./test/cwiseop.cpp
./test/product_trmm.cpp ./test/linearstructure.cpp
./test/sparse_product.cpp
./test/stable_norm.cpp ./test/umeyama.cpp ./test/unalignedcount.cpp
./test/product_mmtr.cpp ./test/sparse_basic.cpp ./test/sparse_vector.cpp
./test/real_qz.cpp ./test/ref.cpp ./test/eigensolver_complex.cpp
./test/conjugate_gradient.cpp ./test/sparse.h
./test/simplicial_cholesky.cpp
./test/dynalloc.cpp ./test/product_notemporary.cpp
./test/geo_hyperplane.cpp
./test/qr.cpp ./test/hessenberg.cpp ./test/sizeof.cpp ./test/main.h
./test/permutationmatrices.cpp ./test/superlu_support.cpp
./test/qtvector.cpp
./test/determinant.cpp ./test/array_reverse.cpp
./test/unalignedassert.cpp
./test/product_symm.cpp ./test/corners.cpp ./test/dontalign.cpp

./test/geo_alignedbox.cpp ./test/diagonalmatrices.cpp
./test/product_small.cpp
./test/umfpack_support.cpp ./test/first_aligned.cpp
./test/qr_fullpivoting.cpp
./test/geo_parametrizedline.cpp ./test/eigen2/eigen2_unalignedassert.cpp
./test/eigen2/eigen2_alignedbox.cpp
./test/eigen2/eigen2_sparse_product.cpp
./test/eigen2/eigen2_nomalloc.cpp ./test/eigen2/eigen2_visitor.cpp
./test/eigen2/eigen2_svd.cpp ./test/eigen2/eigen2_mixingtypes.cpp
./test/eigen2/eigen2_cwiseop.cpp
./test/eigen2/eigen2_smallvectors.cpp
./test/eigen2/eigen2_commainitializer.cpp
./test/eigen2/eigen2_hyperplane.cpp ./test/eigen2/eigen2_eigensolver.cpp
./test/eigen2/eigen2_sizeof.cpp

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./test/eigen2/eigen2_parametrizedline.cpp
./test/eigen2/eigen2_adjoint.cpp ./test/eigen2/eigen2_geometry.cpp
./test/eigen2/eigen2_newstdvector.cpp
./test/eigen2/eigen2_submatrices.cpp
./test/eigen2/eigen2_swap.cpp ./test/eigen2/eigen2_triangular.cpp
./test/eigen2/gsl_helper.h ./test/eigen2/eigen2_dynalloc.cpp
./test/eigen2/eigen2_map.cpp ./test/eigen2/main.h
./test/eigen2/eigen2_product_large.cpp
./test/eigen2/eigen2_first_aligned.cpp
./test/eigen2/eigen2_determinant.cpp ./test/eigen2/eigen2_sum.cpp
./test/eigen2/eigen2_regression.cpp

./test/eigen2/eigen2_product_small.cpp ./test/eigen2/eigen2_qtvector.cpp
./test/eigen2/product.h ./test/eigen2/eigen2_sparse_basic.cpp
./test/array.cpp ./test/product_syrk.cpp ./test/commainitializer.cpp
./test/qr_colpivoting.cpp ./test/nullary.cpp ./test/bandmatrix.cpp
./test/product.h ./test/block.cpp ./test/vectorization_logic.cpp
./test/diagonal.cpp ./test/schur_complex.cpp ./test/sizeoverflow.cpp
./bench/benchFFT.cpp ./bench/eig33.cpp ./bench/spbench/spbenchsolver.h
./lapack/complex_double.cpp ./lapack/cholesky.cpp
./lapack/lapack_common.h
./lapack/single.cpp ./lapack/lu.cpp ./lapack/complex_single.cpp
./demos/mix_eigen_and_c/binary_library.cpp
./demos/mix_eigen_and_c/example.c ./demos/mandelbrot/mandelbrot.cpp
./demos/opengl/icosphere.cpp ./demos/opengl/icosphere.h
./demos/opengl/quaternion_demo.h ./demos/opengl/camera.h
./demos/opengl/gpuhelper.h ./demos/opengl/trackball.cpp
./demos/opengl/quaternion_demo.cpp ./debug/gdb/printers.py
./unsupported/test/openglsupport.cpp ./unsupported/test/jacobisvd.cpp

./unsupported/test/dgmres.cpp ./unsupported/test/matrix_square_root.cpp
./unsupported/test/matrix_exponential.cpp
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./unsupported/test/matrix_function.cpp
./unsupported/test/sparse_extra.cpp
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./unsupported/test/autodiff.cpp ./unsupported/test/gmres.cpp
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./unsupported/Eigen/src/AutoDiff/AutoDiffJacobian.h

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./unsupported/Eigen/src/Splines/Spline.h
./unsupported/Eigen/src/Splines/SplineFwd.h
./unsupported/Eigen/src/SVD/BDCSVD.h
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./LICENSE ./Eigen/Eigen2Support ./Eigen/src/Eigen2Support/VectorBlock.h
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./Eigen/src/SparseCore/SparseBlock.h
./Eigen/src/SparseCore/CompressedStorage.h
./Eigen/src/SparseCore/MappedSparseMatrix.h
./Eigen/src/SparseCore/SparseView.h ./Eigen/src/SparseCore/SparseFuzzy.h

```

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./Eigen/src/SparseCore/SparseSelfAdjointView.h
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./Eigen/src/Eigenvalues/MatrixBaseEigenvalues.h

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./Eigen/src/QR/HouseholderQR.h
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./Eigen/src/Geometry/ParametrizedLine.h
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./Eigen/src/Core/SolveTriangular.h

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./Eigen/src/Core/arch/SSE/PacketMath.h
./Eigen/src/Core/arch/SSE/Complex.h
./Eigen/src/Core/arch/NEON/PacketMath.h

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./Eigen/src/Core/DenseBase.h ./Eigen/src/Core/Flagged.h

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./Eigen/src/Core/util/BlasUtil.h ./Eigen/src/Core/util/MatrixMapper.h
./Eigen/src/Core/util/ForwardDeclarations.h ./Eigen/src/Core/util/Meta.h
./Eigen/src/Core/util/Constants.h ./Eigen/src/Core/CwiseNullaryOp.h
./Eigen/src/Core/GeneralProduct.h ./Eigen/src/Core/CommaInitializer.h
./Eigen/src/Core/Stride.h ./Eigen/src/SPQRSupport/SuiteSparseQRSupport.h
./Eigen/src/SparseLU/SparseLU_panel_dfs.h
./Eigen/src/SparseLU/SparseLU_panel_bmod.h
./Eigen/src/SparseLU/SparseLU_Uutils.h
./Eigen/src/SparseLU/SparseLU_kernel_bmod.h
./Eigen/src/SparseLU/SparseLU_Memory.h
./Eigen/src/SparseLU/SparseLUImpl.h
./Eigen/src/SparseLU/SparseLU_Structs.h ./Eigen/src/SparseLU/SparseLU.h
./Eigen/src/SparseLU/SparseLU_pruneL.h
./Eigen/src/IterativeLinearSolvers/BasicPreconditioners.h
./Eigen/src/IterativeLinearSolvers/ConjugateGradient.h
./Eigen/src/SparseCholesky/SimplicialCholesky.h
./Eigen/src/Cholesky/LDLT.h
./Eigen/src/CholmodSupport/CholmodSupport.h

./Eigen/src/MetisSupport/MetisSupport.h ./Eigen/StdVector ./Eigen/Core
./Eigen/StdList ./Eigen/StdDeque ./Eigen/SparseCholesky
./scripts/relicense.py
./blas/BandTriangularSolver.h ./blas/PackedTriangularMatrixVector.h
./blas/level2_real_impl.h ./blas/level1_cplx_impl.h ./blas/level1_impl.h
./blas/level3_impl.h ./blas/single.cpp ./blas/level2_cplx_impl.h
./blas/Rank2Update.h ./blas/complex_single.cpp
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./unsupported/Eigen/src/IterativeSolvers/IterationController.h
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for the slf4j package

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Headers for the Windows 10 WebAuthn API (webauthn.dll)

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source  
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code,  
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linked  
it, is called a "work that uses the Library". Such a work, in isolation,  
is not  
derivative work of the Library, and therefore falls outside the scope of  
this

However, linking a "work that uses the Library" with the Library  
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derivative  
of the Library even though the source code is not. Whether this is true  
is  
significant if the work can be linked without the Library, or if the  
work is  
a library. The threshold for this to be true is not precisely defined by  
law.

If such an object file uses only numerical parameters, data  
structure layouts and accessors, and small macros and small inline  
functions  
lines or less in length), then the use of the object file is  
unrestricted,  
of whether it is legally a derivative work. (Executables containing this  
object  
plus portions of the Library will still fall under Section 6.)  
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containing that work also fall under Section 6, whether or not they are  
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with the Library itself.

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with the Library, with the complete machine-readable "work that uses the

as object code and/or source code, so that the user can modify the Library

then relink to produce a modified executable containing the modified Library.

is understood that the user who changes the contents of definitions files in

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present on the user's computer system, rather than copying library functions

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icu

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Khronos reference front-end for GLSL and ESSL

Project Homepage: <https://github.com/KhronosGroup/glslang>

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LevelDB: A Fast Persistent Key-Value Store

Project Homepage: <https://github.com/google/leveldb.git>

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libaddressinput

Project Homepage: <https://github.com/googleil18n/libaddressinput>

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libavif - Library for encoding and decoding .avif files

Project Homepage: <https://github.com/AOMediaCodec/libavif>

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it, is called a "work that uses the Library". Such a work, in isolation, is not

derivative work of the Library, and therefore falls outside the scope of this

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative

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a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions

lines or less in length), then the use of the object file is unrestricted,

of whether it is legally a derivative

work. (Executables containing this object code plus portions of the Library

still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6.

Any

containing that work also fall under Section 6, whether or not they are linked

with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work portions of the Library, and distribute that work under terms of your choice,

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a) Accompany the work with the complete corresponding machine-readable source

for the Library including whatever changes were used in the work (which must

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with the Library, with the complete machine-readable "work that uses the

as object code and/or source code, so that the user can modify the Library

then relink to produce a modified executable containing the modified Library.

is understood that the user who changes the contents of definitions files in

Library will not necessarily be able to recompile the application to use the

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A suitable mechanism is one that (1) uses at run time a copy of the library

present on the user's computer system, rather than copying library functions

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if the user installs one, as long as the modified version is

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the code for all modules it contains, plus any associated interface definition plus the scripts used to control compilation and installation of the library.

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Subsection 2d requires that any application-supplied function or table used this function must

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You must supply a copy of this License. If the work during execution displays

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executable containing the modified Library. (It is understood that the user changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.) b) Use a shared library mechanism for linking with the Library. A suitable mechanism one that (1) uses at run time a copy of the library already present on the computer system, rather than copying library functions into the executable, (2) will operate properly with a modified version of the library, if the user one, as long as the modified version is interface-compatible with the version the work was made with. c) Accompany the work with a written offer, valid for least three years, to give the same user the materials specified in 6a, above, for a charge no more than the cost of performing this d) If distribution of the work is made by offering access to copy from a place, offer equivalent access to copy the above specified materials from the place. e) Verify that the user has already received a copy of these materials that you have already sent this user a copy.

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linux-syscall-support

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 nsSMILKeySpline.cpp  
 var spline = BezierEasing([ 0.25, 0.1, 0.25, 1.0 ]) spline.get(x) =>  
 returns  
 easing value | x must be in [0, 1] range

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https://github.com/client9/stringencoders

```

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Project Homepage: <http://cristal.univ-lille.fr/~casiez/leuro/>

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opus

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Maxwell, Mark

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OTS (OpenType Sanitizer)

Project Homepage: <https://github.com/khaledhosny/ots.git>

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Protocol Buffers

Project Homepage: <https://github.com/google/protobuf>

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pyjson5

Project Homepage: <https://github.com/dpranke/pyjson5>

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pywebsocket3

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re2 - an efficient, principled regular expression library

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Recurrent neural network for audio noise reduction

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simplejson

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URI Template Parser

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v4l-utils

Project Homepage: <http://git.linuxtv.org/v4l-utils.git>

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V8 JavaScript Engine

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valgrind

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Vulkan API headers

Project Homepage: <https://github.com/KhronosGroup/Vulkan-Headers>

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WebM container parser and writer.

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WebP image encoder/decoder

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Weston - reference Wayland compositor

Project Homepage: <https://gitlab.freedesktop.org/wayland/weston>

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woff2

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Wuufs (Wrangling Untrusted File Formats Safely)

Project Homepage: <https://github.com/google/wuufs>

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xdg-user-dirs

Project Homepage: <http://www.freedesktop.org/wiki/Software/xdg-user-dirs>

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xdg-utils

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zlib

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version 1.2.11, January 15th, 2017

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