

- Importing and exporting WAV, AIFF, MP3;
- Recording and playing sounds;
- Editing via Cut, Copy, Paste;
- Multi-track mixing;
- A large array of digital effects and plug-ins;
- Noise removal;
- The ability to make precise adjustments to the audio's speed while maintaining pitch, in order to synchronize it with video, run for the right length of time, etc;
- Converting cassette tapes or records into digital tracks by automatically splitting one wav (or the other supported types) track into multiple tracks based on silences in the track and the export multiple option.

Audacity can also be used for post-processing of all types of audio, including podcasts. It can be used for finishing podcasts by adding effects such as normalization, trimming, and fading in and out.

(2) Renee Audio Tools

Version: 1.0.0

<https://www.reneelab.com/audio-tools>

Renee Audio Tools is a very powerful and convenient free software with several components such as Record Music, Cut Music, Join Music into One, Music Conversion, Convert Videos to MP3, Get Music from CD, Transfer Music to iTunes, ID3 Editor and Burn Music to CD.

(3) SoundEngine Free

Version: 5.2.3

<http://soundengine.jp/>

SoundEngine Free is a wave form editing software putting effects and/or cutting the 'WAVE' format files.

(4) MuseScore

Version: 2.0

<https://musescore.org/ja/2.0>

MuseScore is a music score writer for Linux and Microsoft Windows. MuseScore is a WYSIWYG editor, complete with support for score playback and import/export of MusicXML and standard MIDI files. Percussion notation is supported, as is direct printing from the program. The program has a clean user interface, with fast note editing input similar to the step-

time note entry found in popular commercial score writing software packages.

Version: 2.1 for Windows, Linux and macOS 10.7 or higher, while Mac OS X 10.6+ 64-bit:
[MuseScore 1.3](#) and for 10.6+ 32-bit Core Duo: [MuseScore 1.2](#)
<https://musescore.org/ja/download>

(5) Songbird

Version: 2.2.0

Songbird is an open source customizable music player and web browser featuring automatic media import, smart playlists, media library, radio streaming and multi-language support. It can play almost any audio/video format, including mp3, avi, wma and mp4. Users can add features and change functionality in Songbird by installing extensions. Community coded extensions are available on Songbird's add-ons support webpage.

(6) LMMS – Linux Multimedia Studio

Version: 1.2.1

Linux MultiMedia Studio is a free cross-platform alternative to commercial programs which allow you to produce music with your computer. This includes the creation of melodies and beats, the synthesis and mixing of sounds, and arranging of samples. You can have fun with your MIDI-keyboard and much more; all in a user-friendly and modern interface.

https://lmms.io/?lang=en_US

(7) Screen Recording into Video/Animation

(a) CamStudio Recorder

Version: 2.7.2

<http://camstudio.org/>

(b) Wink

Version: 2.0

<http://www.debugmode.com/wink/>

(c) Camtasia Studio (equivalent to (a) and (b) but Trial version for 30days)

<http://camtasia-studio.en.softonic.com/>

These software provide you with a dedicated built-in tool to record moving/video images from your screen. They features many different options to customize your recording settings: use the whole screen or a user-defined area, add cursor effects, record audio as well, and grab the image source from your webcam, among others.

(d) Madophoto

Version: 8.6.1

<https://www.otsoftware.net/software/madophoto.html>

Easy to use and capture the screen image, or screen-shot software.

(8) Windows (Live) Movie maker (in Windows Live Essentials 2012)

=>With windows10, in case you want to use Windows Live Essentials 2012, which you cannot install through MS website since they finish official support in 2016, you may download the software AT YOUR OWN RISK at:

<http://trekkerworld.blog.fc2.com/blog-entry-195.html>,

or by clicking the URL, part of the website I cited as shown below as of 12 Sept., 2017,

For Japanese version

<http://g.live.com/1rewlive5-all/ja/wlsetup-all.exe>

<http://wl.dlservice.microsoft.com/download/F/A/D/FAD48A38-8F81-4DA1-8302-EFAB6FEC4A92/ja/wlsetup-all.exe>

<https://web.archive.org/web/20170120121901/http://wl.dlservice.microsoft.com/download/F/A/D/FAD48A38-8F81-4DA1-8302-EFAB6FEC4A92/ja/wlsetup-all.exe>

while for English version,

<http://g.live.com/1rewlive5-all/en/wlsetup-all.exe>

<http://wl.dlservice.microsoft.com/download/C/1/B/C1BA42D6-6A50-4A4A-90E5-FA9347E9360C/en/wlsetup-all.exe>

<https://web.archive.org/web/20170225080058/http://wl.dlservice.microsoft.com/download/C/1/B/C1BA42D6-6A50-4A4A-90E5-FA9347E9360C/en/wlsetup-all.exe>

(9) filmora => <https://filmora.wondershare.jp/video-editor/> (instead of (8) upstated)

(10) Windows DVD maker

(11) Windows Photo Story 3 (For XP and VISTA)

(12) Photo Flash Maker Free

(13) Studio ftn Score Editor (Japanese)

(14) Pazera_Free_Audio_Extractor

Version: 2.1

Pazera Free Audio Extractor is a free application that extracts audio tracks from video files without loss of sound quality or convert them to MP3, AAC, AC3, WMA, FLAC, M4A, OGG or WAV format. The application supports all major video formats (AVI, FLV, MP4, MPG, MOV, RM, 3GP, WMV, WebM, VOB and other), moreover, allows the conversion of music

files, so it can be used as a universal audio converter. The program has a number of predefined settings (profiles) specially designed for novice users. While more advanced users can customize audio encoding parameters for its own needs.

<http://www.pazera-software.com/>

2. GRAPHICS AND ANIMATION

(1) Blender (Also *See below* 'Other Animation Free Software and websites for tool' and see above 'Screen Recording into Video/Animation)

Version: 2.49a

Blender is a 3D graphics application. It can be used for modelling, texturing, rigging, water simulations, skinning, animating, rendering, particle and other simulations, non-linear editing, compositing, and creating interactive 3D applications. Blender has a robust feature set similar in scope and depth to other high-end 3D software. These features include advanced simulation tools such as rigid body, fluid, cloth and softbody dynamics, modifier based modelling tools, powerful character animation tools, a node based material and compositing system and Python (a programming language) for embedded scripting.

(2) Microsoft GIF Animator

Version: 2.0

(3) Dia

Version: 0.97

Dia is roughly inspired by the commercial Windows program 'Visio', though more geared towards informal diagrams for casual use. It can be used to draw many different kinds of diagrams. It currently has special objects to help draw entity relationship diagrams, UML diagrams, flowcharts, network diagrams, and many others. It is also possible to add support for new shapes by writing simple XML files, using a subset of SVG to draw the shape.

It can load and save diagrams to a custom XML format, can export diagrams to a number of formats (including EPS, SVG, XFIG, WMF and PNG), and can print diagrams (including those that span multiple pages).

(4) Gimp 2

Version: 2.8

GIMP is a free raster graphics editor used to process digital graphics and photographs. Typical uses include creating graphics and logos, resizing and cropping photos, altering colours,

combining multiple images, removing unwanted image features, and converting between different image formats. GIMP can also be used to create basic animated images in GIF format. It is often used as a free software alternative for Adobe Photoshop, the most widely used bitmap editor in the printing and graphics industries. However, it is not designed to be a Photoshop clone.

<http://www.gimp.org/>

(5) Giam

Version: 2.0.9

Giam is a simple but functional free software to develop and edit a simple and fundamental gif animation.

(6) Inkscape

Version: 0.46

Inkscape is a vector graphics editor. What sets Inkscape apart from other graphic software is its use of Scalable Vector Graphics (SVG). In contrast to raster (bitmap) graphics editors such as Photoshop or Gimp, Inkscape stores its graphics in a vector format. Vector graphics is a resolution-independent description of the actual shapes and objects that you see in the image. A rasterization engine uses this information to determine how to plot each line and curve at any resolution or zoom level.

Contrast that to bitmap (raster) graphics which is always bound to a specific resolution and stores an image as a grid of pixels.

Vector graphics are a complement, rather than an alternative, to bitmap graphics. Each has its own purpose and are useful for different kinds of things. Raster graphics tend to be better for photographs and some kinds of artistic drawings, whereas vectors are more suitable for design compositions, logos, images with text, technical illustrations, etc.

Note that Inkscape can import and display bitmap images, too. An imported bitmap becomes yet another object in your vector graphics, and you can do with it everything you can do to other kinds of objects (move, transform, clip, etc.)

(7) Fotor2.0.2

Version: 2.02

Powerful with several functions categorized as 'Edit,' 'Collage,' and 'Batch.'

<http://www.fotor.com/>

(8) LICEcap

LICEcap can capture an area of your desktop and save it directly to .GIF (for viewing

in web browsers, etc) or .LCF (see below).

LICEcap is an intuitive but flexible application (for Windows and now OSX), that is designed to be lightweight and function with high performance.

LICEcap is GPL free software, each download package includes the source.

<http://www.cockos.com/licecap/>

(9) Other Animation Free Software and websites for tool

(a) Software

Pencil Version: 04.4b

Animated Desktop Wallpaper Starfield version:3.5

(b) Tool Websites: Online creation of animation

<http://www.powtoon.com/>

<http://www.bannerkoubou.com/> (Japanese)

<http://mcgif.nexz.jp/create.html> (Japanese)

<https://gyazo.com/en>

<http://www.3dmagix.org/>

(10) Creation of game

Unity

<https://unity3d.com/jp/unity>

3. EDUCATIONAL TOOLS

(1) HotPotatoes

Version: 6.0

Easy to develop interactive component of e-learning materials, including six applications, enabling you to create interactive multiple-choice, short-answer, jumbled-sentence, crossword, matching/ordering and gap-fill exercises for the World Wide Web. Hot Potatoes is freeware, and you may use it for any purpose or project you like. It is not open-source. The Java version provides all the features found in the windows version, except: you can't upload to hotpotatoes.net and you can't export a SCORM object from Java Hot Potatoes.

<http://hotpot.uvic.ca/>

<Tutorial Video on YouTube>

For *JQuiz*, please visit at <https://www.youtube.com/watch?v=Aq4NnIFtAk>

For *JMix*, please visit at <https://www.youtube.com/watch?v=jMZgEM2pPRw>

(2) Calibre

Version: 3.0.0

Calibre is a free and open source e-book library management application, functioned on not only Windows but also Mac and Android as well and several language versions like English, Russian, Italian, Spanish taking for examples, developed by users of e-books for users of e-books. It has a cornucopia of features divided into the following main categories :

- Library Management
- E-book conversion to Mac
- Syncing to e-book reader devices
- Downloading news from the web and converting it into e-book form
- Comprehensive e-book viewer
- Content server for online access to your book collection
- E-book editor for the major e-book formats.

Available at

<https://calibre-ebook.com/download>

(3) iBooks Author

Version: 2.4

iBooks Author is an amazing app that allows anyone to create beautiful iBooks Textbooks — and just about any other kind of book — for iPad, iPhone and Mac. The app has been beautifully redesigned for OS X Yosemite. With galleries, video, interactive diagrams, 3D objects, mathematical expressions, and more, these books bring content to life in ways the printed page never could.

Available free on the Mac App Store and/or at

www.apple.com/ibooks-author

(4) CourseLab

Version: 2.4

CourseLab is a powerful, yet easy to use, e-learning authoring tool that offers programming-free "What You See Is What You Get" (WYSIWYG) environments for creating high-quality interactive e-learning content which can be published on the internet, Learning Management Systems (LMS), CD-ROMS and other devices.

Key Features:

- WYSIWYG environment for creating and managing high quality interactive e-learning content - no HTML or other programming skills required;
- Unicode support - use any font and encoding supported by the Windows® operating system, including double-byte character sets;
- Allows constructing e-learning content of almost any complexity
- Objects are highly customizable;
- Dynamic HTML based output can be displayed by most browsers - no special software required for playing created e-learning content;
- Built-in assessments and tests creation capabilities.

(5) eXe

Version: 1.04

The Web is a revolutionary educational tool because it presents teachers and learners with a technology that simultaneously provides something to talk about (content) and the means to hold the conversation (interaction). Unfortunately, the power of this hypertext medium is constrained in educational settings because the vast majority of teachers and academics do not have the technical skills to build their own web pages, and must therefore rely on the availability of web developers to generate professional looking online content.

The aforementioned problem is soon becoming a history, thanks to the development of the eLearning XHTML editor (eXe). eXe is an authoring environment designed to assist teachers and academics in the design, development, and publishing of Web-based learning and teaching materials without the need to become proficient in HTML, XML, or complicated Web-publishing applications. eXe can export content as self-contained web sites or as SCORM 1.2 content packages.

(6) Quantum GIS

Version: 1.0.1

Quantum GIS is a free software desktop Geographic Information Systems (GIS) application that provides data viewing, editing, and analysis capabilities. You can visualize, manage, edit, analyse data, and compose printable maps.

QGIS offers many common GIS functionalities provided by core features and plug-ins:

- View data;
- Explore data and compose maps;
- Create, edit, manage and export data;

- Analyse data;
- Publish maps on the internet;
- Extend QGIS functionality through plug-ins.

(7) Ren'Py

Version: 6.9.3

Ren'Py is a free and cross-platform engine that helps you make story-based games. These include:

- Visual Novels, computer-based stories using words, pictures, sounds and music. Ren'Py's script language makes writing visual novels easy and efficient, allowing visual novels to be made without needing a dedicated programmer.
- Simulation Games, can be written using Ren'Py's support for embedded Python. Ren'Py takes care of details like persistence and efficient rendering, letting the programmer focus on the game's user interface and logic. The same Ren'Py script language that makes writing visual novels easy makes it easy to include story segments inside your simulation game.

Ren'Py can be extended using user-defined displayables to support a wide variety of gameplay. Ren'Py should be suitable for any 2D story-centric game.

4. OFFICE AND DESIGN

(1) FreeMind

Version: 0.8.

FreeMind is a mind mapping application. A mind map is a diagram used to represent words, ideas, tasks, or other items linked to and arranged radially around a central key word or idea. Mind maps are used to generate, visualize, structure, and classify ideas; and as an aid in study, organization, problem solving, decision-making, and writing.

The elements of a given mind map are arranged intuitively according to the importance of the concepts, and are classified into groupings, branches, or areas, with the goal of representing semantic or other connections between portions of information. Mind maps may also aid recall of existing memories.

By presenting ideas in a radial, graphical, non-linear manner, mind maps encourage an unorthodox brainstorming approach that can generate ideas without regard for a more formal, hierarchical organization system.

http://freemind.sourceforge.net/wiki/index.php/Main_Page

(2) GanttProject

Version: 2.0.9

With GanttProject you can break down your project into a tree of tasks and assign human resources that have to work on each task. You can also establish dependencies between tasks, like "this task can't start until this one is finished". GanttProject renders your project using two charts: Gantt chart for tasks and resource load chart for resources. You may print your charts, generate PDF and HTML reports, exchange data with Microsoft^(R) Project^(TM) and spreadsheet applications.

(3) LyX – The Document Processor

Version: 1.6.3.2

LyX is an advanced open source document processor. It is called a "document processor" because unlike standard word processors, LyX encourages an approach to writing based on the structure of your documents, not their appearance. LyX lets you concentrate on writing, leaving details of visual layout to the software. LyX automates formatting according to predefined rule sets, yielding consistency throughout even the most complex documents. LyX produces high quality, professional output - using LaTeX, an open source, industrial strength typesetting engine, in the background. With LyX, short notes or letters are a snap. LyX really shines, though, when composing complex documents like technical documentation, doctoral theses and conference proceedings.

(4) Open Office

Version: 3.1

Open Office is an office software suite for word processing, spreadsheets, presentations, graphics, databases and more. It is available in many languages and works on all common computers. It stores all your data in an international open standard format and can also read and write files from other common office software packages.

(5) Scribus

Version: 1.3.5

Scribus is a desktop publishing (DTP) application. It is known for its broad set of page layout features comparable to leading commercial applications.

Scribus is designed for flexible layout and typesetting, and the ability to prepare files for professional quality image setting equipment. It can also create animated and interactive

PDF presentations and forms. Uses include writing small newspapers, brochures, newsletters, posters and books.

(6) Mery

Version: 2.8.6

<http://www.haijin-boys.com/>

Mery is a powerful text editor for the simple text document and for the programming codes like HTML, Java, PHP, and SQL for example with several color variations.

5. UTILITIES

(1) WinSCP

Version: 5.15.5

<https://winscp.net/eng/download.php>

WinSCP is an open source free SFTP client, FTP client, WebDAV client and SCP client for Windows. Its main function is file transfer between a local and a remote computer. Beyond this, WinSCP offers scripting and basic file manager functionality

- Due to the security reasons, strongly recommend this WinSCP instead of FFFTP and its like.

(2) 7-Zip

Version: 4.65

7-Zip is a file archiver designed originally for Microsoft Windows. 7-Zip operates primarily with the 7z archive format, as well as being able to read and write to several other archive formats. It enables you to bundle and compress multiple files into one.

(3) ClamWin

Version: 0.95.2

<http://www.clamwin.com/content/view/18/46/>

ClamWin is a free antivirus program for Microsoft Windows. It comes with an easy installer and open source code. It features:

- High detection rates for viruses and spyware;
- Scanning Scheduler;
- Automatic downloads of regularly updated Virus Database;
- Stand-alone virus scanner and right-click menu integration to Microsoft Windows

Explorer;

- Add-in to Microsoft Outlook to remove virus-infected attachments automatically.

There are no subscription fees for updating the virus database.

(4) DVD Flick

Version: 1.3.07

<http://www.dvdflick.net/>

DVD Flick aims to be a simple but at the same time powerful DVD authoring tool. It can take a number of video files stored on your computer and turn them into a DVD that will play back on your DVD player, media centre or home cinema set. You can add additional custom audio tracks, subtitles, as well as a menu for easier navigation.

- Burn near any video file to DVD;
- Support for over 45 file formats;
- Support for over 60 video codecs;
- Support for over 40 audio codecs;
- Easily add a menu;
- Add your own subtitles;
- Easy to use interface;
- Burn your project to disc after encoding.

(5) InfraRecorder

Version: 0.46.2

InfraRecorder is a free CD/DVD burning solution for Microsoft Windows. It offers a wide range of powerful features; all through an easy to use application interface and Windows Explorer integration:

- Create custom data, audio and mixed-mode projects and record them to physical discs as well as disc images;
- Supports recording to dual-layer DVDs;
- Record disc images (ISO and BIN/CUE);
- Create disc copies on the fly and using a temporary disc image.

(6) TheSage

Version: 3.1.2.1744

TheSage's English dictionary and thesaurus is a professional software package that integrates a complete dictionary and multifaceted thesaurus of the English language into a single

and powerful language reference system. TheSage can look up words directly from almost any program (IE, Word, Firefox, Outlook, Thunderbird,...) and is 100 percent portable (e.g. doesn't need to be installed on your computer.)

(7) Microsoft Security Essentials

http://www.microsoft.com/security_essentials/?mkt=en-us

Microsoft Security Essentials provides real-time protection for your home PC that guards against viruses, spyware, and other malicious software.

(8) PDF reDirect

Version: 2.5.2

<http://www.exp-systems.com/> or

to choose New PDF reDirect v2.5.2 'Freeware version' _

<http://www.exp-systems.com/PDFreDirect/Downloads.htm?1>

The PDF reDirect enables you to create universal, standard, reliable and secure PDF files, recognized by industries and governments around the world. Perfect for sharing information with others.

(9) Cube PDF

Version: 1.0.0

<http://www.cube-soft.jp/cubepdf/>

(10) PDF24 Creator

Version: 2.8.2

<http://ja.pdf24.org/>

The PDF24 Creator enables you to develop pdf files.

(11) DVDfab

Version: 8.0.2.2

The DVDfab enables you to copy DVD, Blu-ray disk and CD-ROM.

<http://jp.dvdfab.com/download.htm>

(12) MagicDisc or for English version MagicISO

Version: 2.7

<http://www.forest.impress.co.jp/lib/sys/hardcust/virtualdrv/magicdisc.html> or

<http://www.magiciso.com/>

MagicDisc or MagicISO is a powerful CD/DVD image file creating/editing/extracting tool. It can open / create / edit /extract CD/DVD image files.

(13) Daemon Tools Lite

Version: 10.0

<https://www.daemon-tools.cc/products/dtLite>

Daemon Tools Lite is free for home use and a powerful CD/DVD/BD image file creating/editing/extracting tool. It can open / create / edit /extract CD/DVD/BD image files.

6. PROGRAMMING

(1) Scratch

<https://www.scratchfoundation.org/>

They focus on Scratch, the block-based programming language and online community developed by the Lifelong Kindergarten Group at the MIT Media Lab. Scratch makes it easy for young people to create their own interactive media projects -- like art, stories, games, animations, and simulations -- and then share their creations with others in an active, online community.

Scratch is available for free, for everyone.

(2) Puroguramin

<http://www.mext.go.jp/programin/>

'Puroguramin' is a website launched by the Japanese Ministry of Education, Culture, Sports, Science and Technology, MEXT Japan, in 2010, aiming at making children familiar with the characteristics and power of computers with virtual warm 'Puroguramin' or rather promote the primitive and fundamental sense of control technology.

*** **Important Notice** ***

The editor himself specifically disclaims any liability for any actions resulting from your use of any Software listed above. You may access and install to use the above mentioned Software at your own discretion and risk, and you are solely responsible for any damage to your computer system or loss of data that results from the use and access of any Software. In case 'Customised Install' will be highly recommended to install only the target Software.