

# FreeRIP V2

FreeRIP is a free application which let you extract audio tracks from compact discs and export them to Wav, Ogg Vorbis or MP3 audio files.

FreeRIP can record digital audio tracks directly from compact discs, without going through your sound card (this process is known as "ripping").

You can save tracks as CD-quality WAV files or encode them to Ogg Vorbis or MP3 compressed format.

FreeRIP supports freedb, it means that it can automatically connect to an Internet database to download information about your CDs, such as songs titles, LP title, and so on.

FreeRIP supports ID3 tagging so it can store track info into MP3 or Ogg files so that your player can retrieve and display them.

FreeRIP includes a Wav file converter that can encode any kind of Wav file to a Wav, MP3 or Ogg Vorbis file.

Finally FreeRIP let you easily search audio and music files over The Internet.

# License

FreeRIP v2.xx

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Please read the [Supporting FreeRIP](#) section.

# Contact Information

FreeRIP is a **MGShareware** product.

You can contact **MGShareware** at the following URL:

<http://www.mgshareware.com>

# Getting Started

Launch FreeRIP.

The first time you use it you need to choose few options: see [Configure FreeRIP](#).

Now you're ready to create MP3, Ogg or Wav files. Insert an audio CD into the CD Player and wait few seconds. The main window will be filled with CD tracks details. If you're connected to the Internet FreeRIP automatically query CDDb.

If you want to change a song title just click with the left mouse button on the right end of the current title. An entry field will appear.

If you want to change LP title, author or year just click on the entry fields and type what you wish.

You can choose Category and Genre from a Drop-Down list.

Now select all the tracks you want to rip by checking the check-box on the left of each one and finally press the "RIP Tracks to default format" button on the toolbar.

A working log window appears and you just have to wait the end of the job.

During the work you will notice that your system speed will slow down. That's because converting audio files to compressed format is a CPU bound process.

Related topics: [What is Ogg Vorbis](#), [Wav files conversion window](#), [Single Wav file conversion window](#), [Search Music](#)

# Configure FreeRIP

To configure FreeRIP select Options from the CD menu.

Options window contains the following configuration options pages:

General

Device

Encoding

Internet

freedb

# Converting Wav to MP3

You can convert existing 16 bit, stereo Wav files to MP3 with FreeRIP.

Use the "Convert wav files..." option of the "Tools" menu.

More info at: [Wav conversion window](#)

# Converting Wav to Ogg Vorbis

You can convert existing 16 bit, stereo Wav files to Ogg Vorbis with FreeRIP.

Use the "Convert wav files..." option of the "Tools" menu.

More info at: [Wav conversion window](#)

# What is Ogg Vorbis

*(excerpt from Vorbis docs)*

Vorbis is a general purpose audio and music encoding format contemporary to MPEG-4's AAC and TwinVQ, the next generation beyond MPEG audio layer 3. Unlike the MPEG sponsored formats (and other proprietary formats such as RealAudio G2 and Windows' flavor of the month), the Vorbis CODEC specification belongs to the public domain.

All the technical details are published and documented, and any software entity may make full use of the format without royalty or patent concerns.

This package contains libvorbis, an LGPLed software implementation of the Vorbis specification by the Xiphophorus company (<http://www.xiph.org/>), vorbisfile, an LGPLed convenience library built on Vorbis designed to simplify common uses and a number of GPL example programs, utilities and player plugins.

CONTACT:

The OggSquish homepage is located at '<http://www.xiph.org/ogg/>'.

Vorbis's homepage is located at '<http://www.xiph.org/ogg/vorbis/>'.

Up to date technical documents, contact information, source code and pre-built utilities may be found there.

*Note:*

*LGPL = GNU Library General Public License*



# Supporting FreeRIP

FreeRIP is a free product, this means that you can download and use it for free. Anyway we greatly appreciate that you register it: we will use collected money to finance new development of the product.

You can register at our web site: <http://www.mgshareware.com>

Thanks for your help.

MGShareware

# General

## **Default encoding**

Select a default encoding for output files.

You can choose between Wav, MP3 and Ogg Vorbis encoding.

## **Ripping Volume**

Select a volume level for CD track ripping. You can adjust volume from 1/100 of the original volume (1%) to 2 times it (200%).

Default value is 100% and it means rip track at the original volume.

NOTE: setting volume to a value different from 100% could cause a decrement of ripping speed. This behaviour is expected since volume adjusting requires lot of CPU work.

## **Use Automatic Gain Control**

Automatic Gain Control (AGC) is an adaptive algorithm that tries to adjust track volume on the fly to a constant value. This is very important when you are collecting tracks from multiple CDs recorded with different volume levels.

Selecting this option will disable manual volume control.

## **Beep on rip end**

Checking this checkbox will enable FreeRIP to emit the default system sound on the end of ripping activity.

Following options are reserved to registered users:

## **Show banners**

Select whether to show advertising banners in FreeRIP main window. Need to restart FreeRIP for changes to take effect.

# Device

## **CD Reader**

Select a source CD recorder from a list of devices available on your system.

## **Read Mode**

Select a specific read mode for your CD device. Generally you should keep default value (MMC) but you can try to change it in case of problems.

## **Retries on error**

Select how many times FreeRIP must retries a read of a sector in case of read error (software error correction). You should generally set this value from 3 to 5.

## **Use safe mode**

Safe mode is a special, low speed, reading mode that can help you reading when the standard mode fails. Safe mode sets a slow CD reading speed and this make easier for the CD player doing its job.

# Encoding

## MP3:

### Mode

Select a bitrate mode. Available modes are:

CBR = Constant Bit Rate: encoder uses a fixed bitrate value equals to the Min Bitrate specified

VBR = Variable Bit rate: encoder uses a variable bitrate from Min Bitrate to Max Bitrate specified

ABR = Average Bit rate: similar to VBR but simpler and less efficient but quicker

### Min Bitrate

Set the minimum bitrate to use in encoding process.

### Max Bitrate

Set the maximum bitrate to use in encoding process.

### Stereo

Set stereo mode. Available modes are:

Mono: this mode mix two audio tracks in a single track as the average of each sample.

Stereo: true stereo mode, both audio tracks are encoded separately.

Joint stereo: resulting is a track encoded and the other one encoded just as difference from the first one.

This generally let file size decrease.

### Write CRCs

Let encoder write cyclic redundancy checks within the encoded file so that decoder can understand whether each frame is good or had been damaged (i.e. file corruption).

## OGG VORBIS:

### Mode

Select a bitrate mode. Available modes are:

ABR = Average Bit rate: similar to VBR but simpler and less efficient but quicker

VBR = Variable Bit rate: encoder uses a variable bitrate from Min Bitrate to Max Bitrate specified

### Bitrate

Set the central bitrate to use in encoding process with both ABR and VBR modes.

### Stereo

Set stereo mode. Available modes are:

Mono: this mode mix two audio tracks in a single track as the average of each sample.

Stereo: true stereo mode, both audio tracks are encoded separately.

# Internet

## **On line status detection**

Select which strategy FreeRIP must use to guess whether your system is connected to the internet or not.

Available strategies are:

Always online: you are permanently connected to the Internet.

Online when an IP address is present: you connect to the Internet with a dial-up connection (i.e. an ISDN modem) and you are not connected to a private LAN.

Online when a public IP address is present: you are connected to a private LAN but eventually use a dial up connection to access the Internet.

Always offline: you are permanently offline (not connected to the Internet).

## **Proxy**

If your Internet connection is handled by a proxy specify here your proxy server address.

## **Port**

Proxy server port.

## **Proxy user**

If your proxy needs authentication specify here your proxy server user name.

## **Proxy password**

If your proxy needs authentication specify here your proxy server password.

# freedb

**Main server**

Select here the address of the preferred freedb server.

**Backup server**

Select here a secondary freedb server. Backup server will be eventually used to query CD info in the case that main server is unavailable.

**Update list**

Click this button to let FreeRIP download an updated list of freedb servers from freedb main server freedb.freedb.org .

**Your email address**

Type here your email address. This field is mandatory for freedb submissions.

**Automatically search freedb when online**

Select this option to let FreeRIP automatically search freedb for CD info when the system is connected to the Internet (see [Internet](#)).

# What is freedb

From [freedb](#) faq page:

freedb is a database to look up CD information using the internet. This is done by a client (a freedb aware application) which calculates a (nearly) unique disc ID for a CD in your CD-Rom and then queries the database. As a result, the client displays the artist, CD-title, tracklist and some additional infos.

# Output Path

In this page you can set the destination path of ripped music files and the file naming rules.

## Base path

Select here, pressing the "..." button, a base directory where FreeRIP will store ripped tracks.

## Output path extension

With this option you can choose to create under the base directory other folders using artist name, CD title or both.

## File name prefix

Select whether to prefix track name with track number, artist name or both while creating the output file.

## Use advanced output file name definition

Checking this checkbox will let you use the following entry field to specify the path extension and file name of the ripped tracks.

In the format string you can use the following keywords that will be substituted with the actual track and CD data (if available):

```
%# Track number
%1 Track title
%2 Track extended info
%m Track time (XXmYYs)
%e Extension (.wav, .mp3, .ogg)
%t CD Title
%a CD Artist
%g CD Genre
%c CD Category
%y CD Year
%o CD Comment
%i CD freedb ID
%% The % symbol
```

Example: the format string

```
%a\%t\%#-%1 (%m) %e
```

will create under the base path a directory named as the CD Author, and within it a subdirectory named as the CD Title. In it it will create the tracks files using as name the track number, a minus sign '-', the song title, the track time within a couple of parenthesis and finally the right extension depending on the selected encoding.

The final path name could be similar to the following:

ArtistName\CDTitle\07-Song number seven (4m27s).mp3





# freedb search window

This window show Cd info downloaded from Internet [freedb](#) service.

Select the album title in the top listbox to see in the bottom one album details.  
Once you found the correct album press the Select button.

See also: [What is freedb](#)

# Operation progress window

This window shows the work in progress status of ripping or conversion operations.

# CD reader info window

This window shows information about your CDRom reader devices.  
Select the CDRom in drop down control to see the info.

# Wav files conversion window

This tool let you convert multiple existing .Wav audio files to .mp3 or .ogg encoded files.

First of all add the files to the list with the Add... button, then add ID3 tagging information and press Convert button to let FreeRIP convert your files. You can use the Properties button to view detailed info about the file, and change track specific ID3 and volume information.

## Add

Pressing this button allow you to add .Wav files to the list of file to convert.

FreeRIP will convert any kind of Wav file, stereo or mono, 8 or 16 bit, sampled at any rate, to a Wav, MP3 or Ogg Vorbis file.

## Remove

Select a file in the list and press Remove button to remove the file from the list.

## Properties

Select a file in the list and press Info button to let Wav file info window appear and show you detailed file info and options.

## Output format

In this panel you can select output file encoding options.

You can select an output encoding format between MP3 and Ogg Vorbis.

Please see Encoding help page for more details.

Note that if you select the Use Automatic Gain Control checkbox FreeRIP will ignore per-track volume settings.

## ID3 Tagging

Here you can specify general ID3 tags, commons to all selected tracks.

Use Wav file info window for track specific ID3 tags.

## Output path

Select here an output path where to place converted tracks.

# Wav file info window

Here you can see information about the selected Wav audio file.  
Moreover you can specify additional ID3 Tagging data and adjust track volume.

## **Title**

Specify here the full title of the track to store in the ID3 tags

## **Extended Info**

Here you can add an extended track description that will be stored in ID3 tags.

## **Volume Level**

Select a volume level for CD track ripping. You can adjust volume from 1/100 of the original volume (1%) to 2 times it (200%).

Default value is 100% and it means rip track at the original volume.

NOTE: setting volume to a value different from 100% could cause a decrement of ripping speed. This behaviour is expected since volume adjusting requires lot of CPU work.

# Single Wav file conversion window

This tool let you convert a single .Wav audio file to .mp3 or .ogg encoded file.

First of all select the file to the convert, then add ID3 tagging information and press Convert button to let FreeRIP convert the file.

## **File to convert**

Select here, by pressing the "... " button, a Wav file to convert.

## **Output format**

In this panel you can select output file encoding options.

You can select an output encoding format between Wav, MP3 and Ogg Vorbis.

Please see [Encoding](#) help page for more details.

## **ID3 Tagging**

Here you can specify ID3 tags.

## **Output path**

Select here an output path where to place converted track.

# Search Music

Searching audio and music files on the Internet with FreeRIP is easy and effective: in the main Window just click on the toolbar edit box (the "Search Music!" text will disappear), type the keywords you want to search for and click on the "Search" button.

A browser window will appear and your search of audio and music files will start.





