VQF

TAG editor

Version 2.0

With this program you can edit the tag on VQF files. Title, author, copyright, comment and save permission.

How to use the VQF TAG editor

Title of VQF file

Default filename

E:\delpwork32\vqftag\samples\melkim.vqf - VQF Tag editor

VQF tag editor

Title   Respectable

The author of the file

Author   Mel & Kim

Copyright owner

Copyright   Mel & Kim

Save permission if checked

☑ Allow save   melkim.vqf

Comment to the music

Comments

Save & Exit

Quit without saving

About   Help

Save options
☐ Update filestamp
☑ Create backup

File details
2021560 bytes
44 KHz
80 kbit/s
STEREO
3:22 min

Save and exit the program

Or if you dont wanna make any changes, click here!

If checked, the filestamp will be updated

Check this box, if you want a backup. (good idea if you want to undo or until you are sure that the new file is okay)

Details about the current VQF file

What if the file is locked by another program or is on a CDROM?
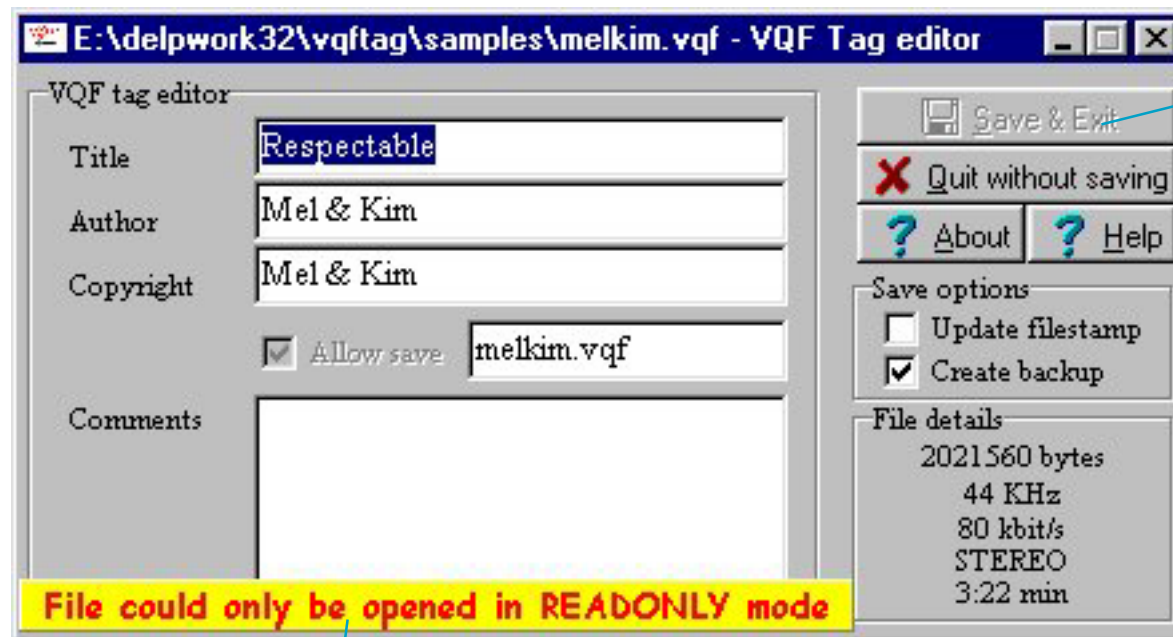
In READONLY mode the SAVE AND EXIT button is disabled

In case the program cannot gain write access to the file, it will automatic switch to READONLY mode. Showing filedetails and existing TAG.

About the program

Why did I make this editor?
Well, I did download a VQF TAG editor (vqftagger) from the Internet, but it does not read the vqf file correctly and you can easily corrupt the file with it. So I decided to find out, how the VQF audio files are structured and make my own editor. I could not find any help on the Internet, so I used the try-and-error method. And that went very well, as you can see.

I have decided to release my personal notes about the structure of VQF files.

If you use my notes in any way, please give me credit for them.

You are also welcome to copy this program to your friends, since the program is released as FREEWARE

If you have any comments or have found any bugs, please write to me at following address:

```
KSsoft
Att.: Kim M. Soerensen
Bernstorffsvej 14
8260  Viby J.
Denmark
```

or you can E-mail me at: `kssoft@hotmail.com`

Thanx for using my program

Kim M. Soerensen

My personal Work notes!

After the first public release I got an E-mail from user that helped me fix a major bug in the editor causing a TAG limit on 255 bytes.

This is my new up-to-date work notes.

Every VQF audio file starts with an File ID. It's always:

"TWIN97012000"   (12 bytes)

Followed by 1 longint(dword) (in Motorola 68000 format) telling you (and the player) the size of the TAG. It can also tell you the offset of the sound data, if you take the value+16 (ID+this longint).

Then the actually TAG (repeat 6-7 times, depending on save permission. Anyway until you meat the ID "DATA" that's starts at offset (longint's value+16). From "DATA" and to EOF is then the sounddata.)

```
  repeat
      HeaderID     4 bytes*SEE TABLE*
      ValueLength  1 longint (in Motorola format)
      Value          *SEE TABLE*
  until filepos=headersize+16;
```

```
*********************************************************
*** TABLE ***********************************************
*********************************************************
```

HeaderID(4bytes)	Value
"COMM"	4 longint (motorola)
	1. channels (1=stereo,0=mono),
	2. kbit/s,
	3. khz,
	4. unknown (always zero - reserved?)
"NAME"	title
"COMT"	comment
"(c) "	copyright
"FILE"	Filename (only present if save allowed)
"AUTH"	author
"DSIZ"	1 longint (unknown)

```
*********************************************************
```

That's all. Hope these notes can help you.

What is VQF?

· High compression ratio while minimizing any loss of sound quality

High compression ratio while minimizing any loss of sound quality Audio data can be compressed to one tenth or twentieth of its original size. "TwinVQ" technology ensures that the sound quality of the compressed data remains virtually identical to that of the original data, allowing near-CD-quality data (16 bit 44.1 kHz stereo) to be distributed. For less critical applications such as human voice or sound effects, the transmission time can be shortened by limiting the frequency or raising the compression ratio. (22 kHz or 11 kHz, monaural, etc.)

· Audio data can be easily distributed without special hardware or servers

The compression software runs on Windows 95/NT 4.0 or MacOS 7.5.1 or later (PowerMac), and allows audio data (Windows WAVE format, Apple AIFF format) to be compressed on a Windows computer without special hardware. No special server is required for distribution, and any provider can distribute audio data just by making some simple settings on their existing server. SoundVQ can also be used on intranets.

· Easier encoding is now possible.

With user friendly interface, you can encode files more easily than before. Encoding to files which have different frequency from original is possible. And stereo files can be encoded to monaural files. It is also possible to encode plural files automatically and continuously with describing rquied infomation first.

· Easy use in home pages

Compressed audio data can easily be embedded in home pages. Even individuals can create audio-enabled pages or pages with voice messages, for a revolutionary leap in expressive potential.

· Copyright protection and restricted distribution are supported

"Stream Playback" which leaves no audio data on the receiving computer can be used when copyright protection is a concern, so that unauthorized duplication can be prevented. Of course it is also possible for the audio data to be left on the received device. Since the standard Internet access limitations are supported, distribution of music data can be limited to specific users.

· Supports MMX(R) technology. (Windows version)

Computers with MMX(R) tecnology makes it possible to encode files more efficiently. (R) technology CPU.

· Easy operation linked with your Internet browser

The player functions as supplementary software (a helper application) for an Internet browser. Once settings have been made, you can browse web pages without being aware of the "Player" software, and the audio content provided by the author will playback automatically. Browsers supported are Netscape Navigator Version 2.0 or later, and Internet Explorer Version 3.0 and later.

· Stream playback allows playback during reception

"Stream playback" allows you to listen to the sound while the audio data is being received, instead of having to wait until all data is received before beginning play-back. This makes it possible for playback to begin immediately, even for large amounts of audio data.

· Automatic page loading function

While reproducing audio files, the new SoundVQ player can request browser to loading new html files at specific interval which is difined in vql files. This function makes it possible to syncronize audio with homepages. (Macintosh version is not fully equiped with this function.)

Thanx to users there has been helping me making this program

Thanx to :

John Soerensen My uncle and betatester
Skies for pointing out that some users starts the program without parametre
Denis Lepine for helping me with the VQF format
Mike Kristoffersen for his help with converting motorola2pc

Keep sending your comment about the program, good and bad, so I can improve the program.

How to convert motorola to pc format

(Delphi 3 examples)

16 bit
```
function motorola16(w : word): word;
{ Motorola 68000 => PC format }
assembler;
asm
    mov ax,w
    xchg ah,al
end;
```

32 bit:
```
function Motorola32(m32bit : longint): longint;
{ Motorola 68000 => PC format }
assembler;
asm
    mov eax, m32bit
    bswap eax
end;
```

Where can you find the VQF Tag editor?

VQF Tag editor official homepage:

http://members.xoom.com/kssoft/

Winfiles:

http://www.winfiles.com

Plus WinSite and all its mirrors

Australia

ftp://ftp.monash.edu.au/pub/win95/sounds/
ftp://ftp.cc.monash.edu.au/pub/win95/sounds/
ftp://ftp.tas.gov.au/pc/winsite/win95/sounds/

France

ftp://ftp.pressimage.fr/pub/pc/winsite/win95/sounds/

Germany

ftp://ftp.tu-chemnitz.de/pub/cica-win95/sounds/
ftp://sunsite.informatik.rwth-aachen.de/pub/mirror/ftp.winsite.com/win95/sounds/

Greece

ftp://ftp.duth.gr/pub/win95/WinSite/sounds/
ftp://ftp.ntua.gr/mirror/winsite/win95/sounds/

Italy

ftp://ftp.unipd.it/mirror/win95/sounds/
ftp://ftp.tol.it/pub/software/win95/sounds/

Japan

ftp://ftp.lab.kdd.co.jp/WinSite/win95/sounds/
ftp://ring.aist.go.jp/pub/pc/winsite/win95/sounds/

Poland

ftp://ftp.cyf-kr.edu.pl/pub/mirror/WinSite/win95/sounds/
ftp://SunSITE.icm.edu.pl/pub/winsite/win95/sounds/

Portugal

ftp://mirrors.telepac.pt/pub/winsite/pc/win95/sounds/

Singapore

ftp://ntuix.ntu.ac.sg/pub/win95/sounds/

South Africa

ftp://ftp.und.ac.za/pub/cica/win95/sounds/

Sweden

ftp://ftp.sunet.se/pub/pc/windows/mirror-cica/win95/sounds/

Switzerland

ftp://sunsite.cnlab-switch.ch/mirror/winsite/win95/sounds/

Thailand

ftp://ftp.nectec.or.th/pub/mirrors/winsite/win95/sounds/

USA

ftp://ftp.winsite.com/pub/pc/win95/sounds/
ftp://ftp.the.net/mirrors/ftp.winsite.com/pc/win95/sounds/
ftp://ftp.orst.edu/pub/mirrors/ftp.winsite.com/pc/win95/sounds/
ftp://wuarchive.wustl.edu/systems/ibmpc/win95/sounds/
ftp://mirrors.aol.com/pub/cica/pc/win95/sounds/
ftp://ftp.infomagic.com/pub/mirrors/winsite/win95/sounds/
ftp://ftp.rge.com/pub/systems/win95/winsite/sounds/
ftp://uiarchive.cso.uiuc.edu/pub/systems/pc/winsite/win95/sounds/
ftp://ftp.drcdrom.com/mir02/WinSite-win95/sounds/
ftp://gatekeeper.dec.com/pub/micro/pc/winsite/win95/sounds/
ftp://ftp.ind.net/pub/mirrors/winsite/pc/win95/sounds/
ftp://ftp.epix.net/mirrors2/ftp.winsite.com/pc/win95/sounds/

United Kingdom

ftp://ftp.keme.co.uk/pub/winsite-mirror/win95/sounds/
ftp://src.doc.ic.ac.uk/packages/windows95/sounds/
ftp://micros.hensa.ac.uk/mirrors/winsite/win95/sounds/