

OptiMod

COLLABORATORS

	<i>TITLE :</i> OptiMod		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	OptiMod	1
1.1	OptiMod.guide	1
1.2	OptiMod.guide/Requirements	1
1.3	OptiMod.guide/powerpacker.library	2
1.4	OptiMod.guide/reqtools.library	2
1.5	OptiMod.guide/Distribution	2
1.6	OptiMod.guide/Disclaimer	3
1.7	OptiMod.guide/IMPORTANT	3
1.8	OptiMod.guide/What is OptiMod?	4
1.9	OptiMod.guide/Rearrange patterns	5
1.10	OptiMod.guide/Delete unused samples	5
1.11	OptiMod.guide/Cut away zeros	5
1.12	OptiMod.guide/Delete Garbage	5
1.13	OptiMod.guide/NoiseTracker REPLEN	6
1.14	OptiMod.guide/Clear unused samples	6
1.15	OptiMod.guide/Template	6
1.16	OptiMod.guide/SOURCE	7
1.17	OptiMod.guide/DESTINATION	7
1.18	OptiMod.guide/SHORT	8
1.19	OptiMod.guide/SHORT2	8
1.20	OptiMod.guide/MEDIUM	8
1.21	OptiMod.guide/NAME	9
1.22	OptiMod.guide/QUIET	9
1.23	OptiMod.guide/REQ	9
1.24	OptiMod.guide/VERBOSE	9
1.25	OptiMod.guide/NOSAVE	10
1.26	OptiMod.guide/NOPATTERN	10
1.27	OptiMod.guide/NOSAMPLE	10
1.28	OptiMod.guide/NOSAMPLELEN	10
1.29	OptiMod.guide/NOAUTHOR	10

1.30	OptiMod.guide/NOPP	11
1.31	OptiMod.guide/NOERROR	11
1.32	OptiMod.guide/NEWPM	11
1.33	OptiMod.guide/EFFECT	11
1.34	OptiMod.guide/UNWANTED	12
1.35	OptiMod.guide/Illegal PosJumps	12
1.36	OptiMod.guide/Used nonexistant samples	12
1.37	OptiMod.guide/NOBUFF	13
1.38	OptiMod.guide/INSTR	13
1.39	OptiMod.guide/NORESAVE	13
1.40	OptiMod.guide/Examples	13
1.41	OptiMod.guide/Tips about Usage	14
1.42	OptiMod.guide/DirOpus-OptiMod	14
1.43	OptiMod.guide/DirOpus-OptiModCheck	14
1.44	OptiMod.guide/Message to all Musicans	15
1.45	OptiMod.guide/Thanks to	15
1.46	OptiMod.guide/SHAREWARE	16
1.47	OptiMod.guide/Author Info	16
1.48	OptiMod.guide/>> REGISTRED USERS <<	17
1.49	OptiMod.guide/History	18
1.50	OptiMod.guide/Version 0.1	18
1.51	OptiMod.guide/Version 1.0	18
1.52	OptiMod.guide/Version 2.01	18
1.53	OptiMod.guide/Version 2.10	19
1.54	OptiMod.guide/Version 3.00	19
1.55	OptiMod.guide/Version 4.00	19
1.56	OptiMod.guide/Version 4.30	20
1.57	OptiMod.guide/Version 4.40	20
1.58	OptiMod.guide/Version 4.41	20
1.59	OptiMod.guide/Version 5.00	21
1.60	OptiMod.guide/Version 5.10	22
1.61	OptiMod.guide/Version 5.20	22
1.62	OptiMod.guide/Concept Index	23

Chapter 1

OptiMod

1.1 OptiMod.guide

Optimize Module

OptiMod v5.20 Copyright (C) 1992-1994 Joakim Ögren, All rights reserved.

OptiMod is part of the Q-Tech Tools distribution!

Requirements	Requirements for OptiMod
Distribution	Distribution notes
Disclaimer	Disclaimer notes
IMPORTANT	Important note!
What is OptiMod?	Basic description of OptiMod
How to use OptiMod	CLI Template
Examples	Examples how to use OptiMod
Tips about Usage	Usage with DirectoryOpus
Message to all Musicans	Information about author's name
Thanks to	Thanks to the following persons
SHAREWARE	OptiMod is ShareWare
Author Info	Adress to the author
>> REGISTRED USERS <<	Nice people who payed the shareware fee!
History	Changes since previous versions
Concept Index	Index

1.2 OptiMod.guide/Requirements

Requirements

OptiMod 5.20 runs only with version 2.04 (V37) or higher of the operating system. It utilizes many of of OS2.04's features to get it as fast, short and powerfull as possible. If you don't have version 2.04 of the operating system I can only say: Upgrade :-)

OptiMod can utilize the following libraries, it doesn't require them.

powerpacker.library	For loading of powerpacked files
reqtools.library	For requesters in the REQ mode & from WB.

1.3 OptiMod.guide/powerpacker.library

PowerPacker
=====

powerpacker.library is an excellent library for decrunching of files by Nico François. It's available on most BBS's & from all PublicDomain distributors.

1.4 OptiMod.guide/reqtools.library

ReqTools
=====

reqtools.library is an excellent library for displaying requesters by Nico François. It's available on most BBS's & from all PublicDomain distributors.

1.5 OptiMod.guide/Distribution

Distribution

All these programs are copyrighted by Quality Technology. But they are freely distributable as long as they're not included in any commercial product or sold for a price higher than the cost for the disk and drive use. All documents and files must always be kept together. The only exception is when it's copied to eg a harddrive for own use. You are not allowed to spread it unless it's a 100% complete package. You are neither allowed to spread it if any file is changed. The best way to distribute it, is in a LhA archive. It may not be included in any commercial products without contacting the author before.

All files are also classified as SHAREWARE. That means that you are not allowed to use for a longer time than two weeks if you haven't paid the shareware fee. But you are allowed to distribute it. More about the shareware fee later. See SHAREWARE, for more information about how to become a registered user.

Fred Fish have the right to include OptiMod in his Amiga Library.

Other makers of PD-series also have the right to include it as long as all rules above are respected.

Please respect these rules, and I will continue to make new versions of OptiMod.

All files:

OptiMod	MainProgram
OptiMod.info	icon
OptiMod.doc	Documenation
OptiMod.doc.info	icon
OptiMod.guide	Documentation in AmigaGuide-format
OptiMod.guide.info	icon
OptiMod.dvi	Documentation in DVI-format
OptiMod.dvi.info	icon
OptiMod.RegForm	Registration form
OptiMod.RegForm.info	icon

1.6 OptiMod.guide/Disclaimer

Disclaimer

OptiMod is provided AS-IS.

The author cannot be held liable for the suitability or accuracy of this manual and/or the program(s) it describes. Any damage (software or hardware damage) directly or indirectly caused by the use or misuse of this manual and/or the program it describes is the sole responsibility of the user her/him self.

1.7 OptiMod.guide/IMPORTANT

IMPORTANT!!!

DO NOT USE OptiMod ON MODULES THAT AREN'T COMPLETELY FINISHED. THIS MAY CAUSE SOME NOT YET INSERTED PATTERNS/SAMPLES TO BE DELETED!!!

DON'T BLAME ME IF SOMETHING GOES WRONG, I HAVE NOTE YET FOUND A MODULE THAT WERE CORRUPTED AFTER OPTIMIZING. AND I HAVE TESTED ON ABOUT 4000 (!) MODULES.

THE MODULE WILL SOUND EXACTLY THE SAME AFTER OPTIMIZATION AS BEFORE!!!

If OptiMod crashes or won't optimize a module correctly, please load it into ProTracker and save it again.

If newer versions of ProTracker changes the fileformat or adds new

advanced commands, I can't guarantee OptiMod to work correctly!

1.8 OptiMod.guide/What is OptiMod?

What is OptiMod?

OptiMod is a utility to optimize NoiseTracker and ProTracker modules. All modules must be in the 31 instruments fileformat and be a ProTracker/NoiseTracker module. ie OptiMod won't accept any StarTrekker or 15 instruments SoundTracker modules. To use OptiMod on any of them please load them into ProTracker (or some other Tracker) and save it again.

I began to program OptiMod when I saw that most modules were longer than they would have to be. And the stupid fileformat of modules doesn't make it shorter. Unused samples & patterns exists in almost all modules. OptiMod will try to correct these faults. Some other authors have already tried to do this but in another way: Azatoth of Phenomena with his ProPacker, but it changed the whole format and deleted all instrument names etc. There exists some more programs that do the same thing, The Player is one example. OptiMod will keep all instruments names & not change the format. It will just rearrange the patterns & delete unused samples & patterns.

OptiMod will keep the old format, but if you keep all your modules compressed/packed I would strongly recommend the NewPM option. By using OptiMod with the NewPM option the module will be saved into PowerMusic moduleformat. When you crunch/archive them you'll gain about 10% more than just crunching it.

YOU'LL SAVE ABOUT 40-50% WITH NEWPM OPTION + LhA (by Stefan Boberg)

But now with OptiMod you can optimize modules and they will sound EXACTLY the same.

OptiMod will try to do these things:

- Rearrange patterns
- Delete unused samples
- Cut away zeros
- Delete Garbage

Additionally to this, OptiMod will correct the following errors:

- NoiseTracker REPLEN
- Clear unused samples

OptiMod has also the ability to check who has done the module. If you use the Verbose (No option), Short or Name mode you'll see the authors name (if any). OptiMod will search thru all sample names for strings.

1.9 OptiMod.guide/Rearrange patterns

Rearrange patterns to take less space.

=====

For instance by using pattern 0,1,2 & 6. All patterns in the middle will be saved (3,4 & 5) but unused and empty. This will gain 1024 bytes per deleted pattern. OptiMod won't delete any used pattern. As long as it's in the 'SongPositions' it will be left. Duplicate patterns will be removed.

1.10 OptiMod.guide/Delete unused samples

Delete unused samples.

=====

Every unused but existing sample will be deleted. Why should you keep them?

1.11 OptiMod.guide/Cut away zeros

Cut away zeros in the end of Samples.

=====

If a instrument/sample ends with many zeros they will be cut away. This will not affect how it sounds, if the zeros is in a loop they will not be deleted. At least 2 zeros is always left to make the sound not 'click' at the end. Sample data after a loop is deleted. Watch out if you're using the command to start playing a sample at a certain offset.

1.12 OptiMod.guide/Delete Garbage

Delete Garbage

=====

If the module contains garbage at the end of the module it will be cut away. Some rippers save some bytes extra just in case. But OptiMod will cut them. Please note that Garbage gain can be negative. If it is negative the module wasn't correct at the start. OptiMod will add some zero bytes were it should be. (Load it into ProTracker, and you'll see the same result)

1.13 OptiMod.guide/NoiseTracker REPLEN

NoiseTracker REPLEN
=====

Old NoiseTracker replen to be converted to ProTracker replen. This will automatically be done. This will make the module SOUND a lot BETTER. Fixes a lot of problems.

1.14 OptiMod.guide/Clear unused samples

Clear unused samples
=====

All empty or unused samples data it will reset and clear:
FineTune/Size/RepLen/RepPos/Volume but not SampleName.

If the module has used an nonexistent sample it will not sound BAD in some badly written players.

1.15 OptiMod.guide/Template

Template

OptiMod can be started from Workbench as well as from CLI.

The CLI template is:

```
OptiMod  SOURCE/M,DEST=DESTINATION/K,SHORT/S,XG=SHORT2/S,QUIET/S,REQ/S
         NS=NOSAVE/S,NPAT=NOPATTERN/S,NSMP=NOSAMPLE/S,VERBOSE/S
         NSMPLEN=NOSAMPLELEN/S,NA=NOAUTHOR/S,MEDIUM/S,NAME/S,NOPP/S,NEWPM/S
         FX=EFFECT/S,BUG=UNWANTED/S,NOBUFF/S,SAMPLE=INSTR/S,NRS=NORESAVE/S
```

/S is a switch, by using the option you will turn it on.

= means that you can use either one of the options. (NS is the same as NOSAVE)

SOURCE	Filname(s)
DESTINATION	Optional destination directory
SHORT	Short output
SHORT2	Short output 2
MEDIUM	Medium output
NAME	Name output
QUIET	No output at all
REQ	Choose everything with Requesters
VERBOSE	Verbose output (default)
NOSAVE	Don't save resulting file
NOPATTERN	Don't optimize

NOSAMPLE	Don't optimize
NOSAMPLELEN	Don't optimize
NOAUTHOR	Don't find authors name
NOPP	Don't accept powerpacked files
NOERROR	No error returncode
NEWPM	Use PowerMusic format
EFFECT	Effect usage output
UNWANTED	Bugreport output
NOBUFF	No extra big buffer
INSTR	Instrument names output
NORESAVE	No resave if no change

Please refer to any AmigaDos 2.0 Reference for more information about Templates and modifiers.

1.16 OptiMod.guide/SOURCE

SOURCE
=====

The module(s) to optimize. One or many modules can be specified. Currently are wildcards (1) NOT allowed.

OptiMod can handle powerpacked files also. But all files will be saved as non-packed files whether or not they were packed before.

Example: OptiMod mod.BombJack "mod.It's tuesday"

Remember to put the argument within "" if it contains a space.

----- Footnotes -----

(1) Wildcards are used to specify files that match a pattern. #? is the famous wildcard combination, it will match all files.

1.17 OptiMod.guide/DESTINATION

DESTINATION
=====

This is an optional destination directory. If omitted the sourcefile will be overwritten, else it will be written to the destination directory.

This is a keyword, that means that you must write:
DEST destination_path

You may not omit the keyword DEST.

Example:

OptiMod ram:tmp/mod.BlueGrass DEST dh0:mod

The module mod.BlueGrass will be loaded from ram:mod/tmp and saved to the directory dh0:mod.

1.18 OptiMod.guide/SHORT

SHORT
=====

This will list:

FileSize before	(in bytes)
FileSize after	(in bytes)
Gain	(in bytes)
SongLength	(number of positions)
Real Module name	
Author	

1.19 OptiMod.guide/SHORT2

SHORT2
=====

This will list

FileSize after	(in bytes)
Gain	(in bytes)
SongLength.	(number of positions)
How much percent with effects	
Play time of Module. (approx.)	
Bugs in Module:	- = Legal PosJump P = Illegal PosJump I = Used nonexistent sample
	Use the BUG option for more info about which patterns that contains 'unwanted' commands. See UNWANTED, for more info.
Real Module name	
Author	

1.20 OptiMod.guide/MEDIUM

MEDIUM
=====

This will list

FileSize before	(in bytes)
FileSize after	(in bytes)

```
All four Gains      (Pat/Smp/SamEnd/Garbage)
Total Gain          (in bytes)
SongLength.         (number of positions)
Real Module name
```

1.21 OptiMod.guide/NAME

```
NAME
=====
```

```
This will list
  Filename          (without path)
  Gain              (in bytes)
  Real Module name
  Author
```

1.22 OptiMod.guide/QUIET

```
QUIET
=====
```

No output at all, will make it go slightly faster :-)

1.23 OptiMod.guide/REQ

```
REQ
===
```

If this option is specified OptiMod will bring up some requesters to choose everything with. This will require the reqtools.library by Nico François

This is the default if OptiMod is called from Workbench.

1.24 OptiMod.guide/VERBOSE

```
VERBOSE
=====
```

If none of these output modes are selected, the optimization will be output in Verbose mode, and when I say verbose I mean VERBOSE!

1.25 OptiMod.guide/NOSAVE

NOSAVE
=====

Only examine, don't save the file. This could be used to look for errors in a module that is under development.

1.26 OptiMod.guide/NOPATTERN

NOPATTERN
=====

Don't optimize patterns, default is to optimize patterns. See Rearrange patterns, for more info.

1.27 OptiMod.guide/NOSAMPLE

NOSAMPLE
=====

Don't optimize samples usage, default is to optimize samples usage. See Delete unused samples, for more info.

1.28 OptiMod.guide/NOSAMPLELEN

NOSAMPLELEN
=====

Don't optimize samples len, default is to optimize samples len. See Cut away zeros, for more info.

1.29 OptiMod.guide/NOAUTHOR

NOAUTHOR
=====

Don't show authors name, default is to examine the instrument names to find the authors name.

1.30 OptiMod.guide/NOPP

NOPP
=====

Don't use `powerpacker.library`. This will disable the loading of powerpacked files but will increase loading speed a little. It will also make OptiMod use a little less memory.

1.31 OptiMod.guide/NOERROR

NOERROR
=====

No `returncode=20` whenever an error occurs. OptiMod will return 20 if an error occurs, this will for example directly break any script file. OptiMod will currently break the execution as an error occurs, even if more files was specified.

1.32 OptiMod.guide/NEWPM

NEWPM
=====

This will convert the module into the new PowerMusic module format. The module will have the same size as a normal module, but when you pack with a packer/archiver it will be crunched better. OptiMod will always output normal ProTracker module (except when the optimization failed and no file was generated) even if the source file was a PM-module. Keep that in mind.

Don't forget to specify NEWPM to use the better format.

Read PowerMusic (1) documentation for more information.

The PowerMusic moduleformat can currently only be played from either PowerMusic (by Joakim Ogren) or SmartPlay (by Peter Hjelt)!

----- Footnotes -----

(1) PowerMusic is a moduleplayer developed by Joakim Ögren

1.33 OptiMod.guide/EFFECT

EFFECT
=====

This will show some information about how much all effect-commands are used. Both graphically and with numbers.

1.34 OptiMod.guide/UNWANTED

UNWANTED
=====

This will spot 'bugs' in a module! You can find any used but nonexisting sample. And nested pos-jumps which causes some positions not to be played. NoSave is automaticly enabled. Module won't be saved. USE IT BEFORE RELEASING ANY MODULE!!! Please...

OptiMod will look for the following bugs in modules

- Illegal PosJumps
- Used nonexistant samples

1.35 OptiMod.guide/Illegal PosJumps

Illegal PosJumps

Illegal PositionJumps are those positionjumps which makes some parts of the module not be played. If the positiontable are like this:

Position:	0	1	2	3	4	5	6
Pattern:	4	5	1	0	3	2	4

If pattern 3 contains a posjump to position 6 will Pattern 2 never be played.

The posjump command was invented to be used in the end of a module to jump to the middle for better repeating of the song, not to be a substitute for the patternbreak command!

1.36 OptiMod.guide/Used nonexistant samples

Used nonexistant samples

If a pattern contains data that will play a sample that don't exists I'll classify that as a bug. This could have been caused by either that the sample has disappeared or that author haven't thought of it.

1.37 OptiMod.guide/NOBUFF

NOBUFF
=====

In normal cases OptiMod will allocate a little extra bit of memory after the module, in case that the module are trashed and some instruments are missing. Then it will save zero's at the end instead of trash. By using this option you'll save some bytes of memory. Only use this if you're short of memory.

1.38 OptiMod.guide/INSTR

INSTR
=====

This will list all instruments. NoSave is automaticly enabled.

1.39 OptiMod.guide/NORESAVE

NORESAVE
=====

OptiMod won't save the module if you haven't gained anything unless you wan't to change the format. From ProTracker to PowerMusic format or the other way. (Good for floppy-only users.)

1.40 OptiMod.guide/Examples

Examples

OptiMod req	Use a requester to choose modules.
OptiMod mod.LetsRock ns	To just analyze the module. Great for musicians.
OptiMod mod.LetsTwist name newpm	Optimize module, save as the same name as the Source. Show it in Name output mode. Output format=PowerMusic
OptiMod mod.LetsBoogie dest T: nsmf	Optimize everything except sample usage, and save as T:mod.LetsBoogie

1.41 OptiMod.guide/Tips about Usage

Tips about Usage

It's smart to use OptiMod in conjunction with DirectoryOpus, here is two gadgets to use in DirOpus (v3.51 or higher).

DirOpus-OptiMod	Button to optimize modules.
DirOpus-OptiModCheck	Button to check modules structure.

Directory Opus is Copyrighted by Jonathan Potter 1990-92
Published by INOVAtronics

1.42 OptiMod.guide/DirOpus-OptiMod

DirOpus-OptiMod

=====

```
Button:      OptiMod

Executable   OptiMod {f} newpm short2

Flags:  * Output window
        * Recursive directories
        * Do all files
        * Reload each time.

CloseDelay: -1
```

1.43 OptiMod.guide/DirOpus-OptiModCheck

DirOpus-OptiModCheck

=====

```
Button:      OptiMod Chk

Executable   OptiMod {f} nosave

Flags:  * Output window
        * Recursive directories
        * Do all files
        * Reload each time.

CloseDelay: -1
```

1.44 OptiMod.guide/Message to all Musicans

Message to all Musicans

All modules will sooner or later be ripped or spreaded. But when this happens it's better that you, the author of the module gets the credits instead of no one. Please try to write your name in the first instrumentname in every new module you make!

INSTRUMENT 1: #JOAKIM OGREN_____

And it would be good if you included your adress some place in the module as well. Many musicians already do this but some musicians don't. Please do it in the future!

1.45 OptiMod.guide/Thanks to

Thanks to

Niklas Edmundsson
For helping me with a lot Betatesting!!!

Marcus Ottosson
For some optimizing with the PowerMusic routines! Thanks alot!

Peter 'Crayon' H
For his ProTracker. Get in touch if you want to include this in the ProTracker.

Freelancers
Previous ProTrackers..

Mahoney & Kaktus etc...
For all other Trackers.

Nico François
For his two Great libraries (powerpacker & regtools) which I have used in some of my other programs.

Robert Wahlström
For Beta testing some of my programs. He has also hatched my programs into San sometimes.

Pierre Andersen
For some modules.

Martin Larsson
For some modules.

Kalle Kiviaho
For some suggestions and some modules.

Per Salmi
For hatching into file-distribution nets.

Myself
For making this wonderful program.

1.46 OptiMod.guide/SHAREWARE

SHAREWARE

This program is SHAREWARE! If you use it you are urged to pay the shareware fee! All users who pay the shareware fee will be inserted to the list of registered users!

You're allowed to use this program for trial period no longer than two weeks, if you find this program usable after that trial period you must register yourself. Register yourself by sending 50 SEK or US\$10 (1) (by international money order/postal money order in SEK, look at Registration Form for more info). As registred user you'll get the latest version of OptiMod If a new version is under development I will wait until it's ready before sending the programs. Please remember that a lot of time and money have been spent on OptiMod and other QTech Tools. You SHOULD GET yourself REGISTRED now!

Continuing to use OptiMod without being registred is both illegal and immoral!

Or send the money to Svenska Postgirot PG 9203446-1.

----- Footnotes -----

(1) Please compare the fee with shareware fee's for other prograns, and you'll find that this is the cheapest & best software you'll ever find.

1.47 OptiMod.guide/Author Info

Author Info

Happy OptiMod-ing! Please send any bug report or enhancement request to:

Address: Joakim Ögren /Q-Tech
Snipgränd 69
S-90624 UMEÅ
Sweden

NetMail: 2:205/420 (Joakim Ogren) (No dots above the O)

1.48 OptiMod.guide/>> REGISTRED USERS <<

>> REGISTRED USERS <<

List of (nice) registred Users:

Niklas Edmundsson (Sweden)

Mathias Andersson (Sweden)

David Elfström (Sweden)

Marcus Ottosson (Sweden)

Mario Gonzalez (Norway)

Josef Fuchs (Austria)

Johan Hillnäs (Sweden)

Staffan Hämälä (Sweden)

Mats-Olov Rustad (Sweden)

Patrik Lundberg (Sweden)

Billy Lundgren (Sweden)

Lars-Åke Vallin-Silverrek (Sweden)

Mikael Nordlund (Sweden)

Micke Persson (Sweden)

Martin Larsson (Sweden)

Ulf Andersson (Sweden)

Håkan Engelström (Sweden)

Kalle Kiviaho (Sweden)

Christophe Wegmuller (Sweden)

Marcus Ottosson (Sweden)

Hopefully is no one forgotten.. Consider to registrer yourself.

1.49 OptiMod.guide/History

History

Changes for OptiMod

Version 0.1	Changes in Version 0.1
Version 1.0	Changes in Version 1.0
Version 2.01	Changes in Version 2.01
Version 2.10	Changes in Version 2.10
Version 3.00	Changes in Version 3.00
Version 4.00	Changes in Version 4.00
Version 4.30	Changes in Version 4.30
Version 4.40	Changes in Version 4.40
Version 4.41	Changes in Version 4.41
Version 5.00	Changes in Version 5.00
Version 5.10	Changes in Version 5.10
Version 5.20	Changes in Version 5.20

1.50 OptiMod.guide/Version 0.1

Version 0.1

=====

Started: 9206??

* The project started! Wasn't that a good change :-)

1.51 OptiMod.guide/Version 1.0

Version 1.0

=====

Released: 920704

* It could have been the first public release but I wanted to Betatest it a while longer.

1.52 OptiMod.guide/Version 2.01

Version 2.01

=====

Released: 921107

- * First public release. No known BUGS!!! OptiMod has been Betatested for a long period of time now.

1.53 OptiMod.guide/Version 2.10

Version 2.10

=====

Released: 921116

- * OptiMod will now optimize about 200-300 bytes more, this was accomplished by cutting away 1 & -1 in samples also. This makes no noticeable difference but some samplers seems to be a bit untuned (eg no sound = -1 or 1 instead of 0).
- * OptiMod is now even more foolproof.

1.54 OptiMod.guide/Version 3.00

Version 3.00

=====

Released: 921213

- * Added support for the new fileformat: PM-module. This is a moduleformat which is to be used with PowerMusic when it comes. Read Main doc.

1.55 OptiMod.guide/Version 4.00

Version 4.00

=====

Released: 930129

- * Harddisk crash destroyed my source, I had to restart all my work from v2.99. *#&%
 - * Added option: SHORT2/S - New listmode.
 - * Added option: EFFECT/S - Show all effect commands.
 - * Added option: UNWANTED/S - Spot 'bugs' in a module.
 - * Added option: NOBUFF/S - No extra buffer. Read Doc!
-

- * Added option: INSTR/S - Show all instruments.
- * Great enhancement of the author find routine!
- * Now deletes duplicate patterns.
- * Deletes data after a sample loop.
- * These options will allow you to gain a few more bytes.
- * If a sample is empty or unused it will reset and clear:
FineTune/Size/RepLen/RepPos/Volume

1.56 OptiMod.guide/Version 4.30

Version 4.30
=====

Released: 930616

- * OptiMod seems to be 100.00 % safe now!
- * Added option: NORESAVE/S - Don't save if no gain! (For floppy users mostly, suggested by Kalle Kiviaho)
- * Added Time estimation in Short2 mode. Estimates the time it will take to play the module. (Not 100% perfect yet.)
- * Added conversion for old NoiseTracker replen to be converted to ProTracker replen. This will automaticly be done. This will make the module SOUND a lot BETTER. Fixes a lot of problems.
- * Enhanced the optimization routines, could save more bytes.

1.57 OptiMod.guide/Version 4.40

Version 4.40
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Released: 930625

- * New routines in v4.30 caused the modules to crash sometimes, I'm very sorry for this! * NEVER USE V4.30 AGAIN!!!! *

1.58 OptiMod.guide/Version 4.41

Version 4.41

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Released: 930627

- * Optimized code, shorter executable.
- * I'm not using MCAsm (assembler) anymore cause of all bugs! It generates wrong code!
- * Some 020+ commands (oops) removed to become 100% compatible with 000 processors.

1.59 OptiMod.guide/Version 5.00

Version 5.00

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Released: 931215

- * Been a while since last update! Sorry for the long delay!!!
 - * Just to be noticed: Over one & a half year since v1.0 :-)
 - * New faster PowerMusic decoding routines used, Thanks to Marcus Ottosson for sending them to me!!!
 - * Instruments that are used without any note, ie in Chip-mods where instruments often are used just to change the sound, they're not 'retrigged'. OptiMod will not optimize away those samples anymore.
 - * Routine that optimizes unused samples rewritten a bit (ie rewritten alot :-). A nasty bug removed. Haven't occured for me yet anyway, sample 16 could sometimes be optimized away.
 - * Nasty bug removed that caused OptiMod to crash if the module was corrupted (instrument number>31) OptiMod will now repair those modules.
 - * If the instrument names are corrupted they will not trash the display when they are displayed with option INSTR.
 - * Removed some strange text ('x123x') from the verbose output, it was printed at top of sample optimization. I must have used it for some debugging?!
 - * Added option: REQ - For a small GUI. See REQ, for more info.
 - * OptiMod didn't seem to handle the situation if there was no output window available before, it just crashed. Not anymore.
 - * OptiMod can now be started from Workbench, it also includes a beautiful icon. See Template, for more info.
-

- * OptiMod can now handle multiple files to optimize. This will speed up a lot of things, since OptiMod don't have to be loaded each time.
- * The DESTINATION option has change a little bit. In previous version did it require a filename as argument. It will now instead require a directory (due to the Multiple file handling). DESTINATION is now a keyword. See DESTINATION, for more info.
- * The documentation is almost completely rewritten. I hope this one is better.
- * Documenation is included as AmigaGuide-, Text- and DVI-file. Be sure to use a textviewer that supports bold & italic. The DVI-file is not 100% finished yet.. I'm sorry for that.
- * It's now possible to pay the registration fee to the 'Svenska Postgirot'. See SHAREWARE, for more info.

1.60 OptiMod.guide/Version 5.10

Version 5.10

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Released: 940103

- * MAJOR BUG: Most of the options that could be specified from Shell didn't work!! Major mistake by me! THIS VERSION WILL WORK..
- * Niklas Edmundsson found some strange spellingerrors in the documents, as usual! Fixed!
- * Happy New Year... Let this be a year with lots of new & great software for the AMIGA!

1.61 OptiMod.guide/Version 5.20

Version 5.20

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Released: 940316

- * OptiMod no longer contains the annoying shareware requesters!! This is why:
 - * The future of OptiMod is in YOUR hands! You should send me the ShareWare-money if use it. I will NOT continue to develop OptiMod for the public if I don't get any response!! Think about this!!

* Registered users won't get the special keyfile, but the will be inserted into the list of registered users! Using OptiMod without paying the ShareWare fee is both immoral & stupid!!

* Wanted: A nice MagicWB icon for OptiMod, does anyone feel like drawing one?

1.62 OptiMod.guide/Concept Index

Concept Index

>> REGISTERED USERS <<	>> REGISTERED USERS <<
Author Info	Author Info
Changes	History
Clear unused samples	Clear unused samples
Cut away zeros in the end of Samples.	Cut away zeros
Delete Garbage	Delete Garbage
Delete unused samples.	Delete unused samples
DESTINATION	DESTINATION
DirOpus-OptiMod	DirOpus-OptiMod
DirOpus-OptiModCheck	DirOpus-OptiModCheck
Disclaimer	Disclaimer
Distribution	Distribution
EFFECT	EFFECT
Examples	Examples
History	History
How to register	SHAREWARE
How to start OptiMod	Template
Illegal PosJumps	Illegal PosJumps
IMPORTANT!!!	IMPORTANT
INSTR	INSTR
MEDIUM	MEDIUM
Message to all Musicians	Message to all Musicians
NAME	NAME
NEWPM	NEWPM
Nice people	>> REGISTERED USERS <<
NOAUTHOR	NOAUTHOR
NOBUFF	NOBUFF
NOERROR	NOERROR
NoiseTracker REPLEN	NoiseTracker REPLEN
NOPATTERN	NOPATTERN
NOPP	NOPP
NORESAVE	NORESAVE
NOSAMPLE	NOSAMPLE
NOSAMPLELEN	NOSAMPLELEN
NOSAVE	NOSAVE
PowerMusic format	NEWPM
powerpacked files	powerpacker.library
powerpacker.library	powerpacker.library
QUIET	QUIET
Rearrange patterns to take less space.	Rearrange patterns
Registration	SHAREWARE
REQ	REQ

reqtools.library	reqtools.library
Requesters	REQ
Required libraries	Requirements
Requirements	Requirements
SHAREWARE	SHAREWARE
SHORT	SHORT
SHORT2	SHORT2
SOURCE	SOURCE
Template	Template
Thanks to	Thanks to
Tips about Usage	Tips about Usage
UNWANTED	UNWANTED
Used nonexistant samples	Used nonexistant samples
VERBOSE	VERBOSE
Version 0.1	Version 0.1
Version 1.0	Version 1.0
Version 2.01	Version 2.01
Version 2.10	Version 2.10
Version 3.00	Version 3.00
Version 4.00	Version 4.00
Version 4.30	Version 4.30
Version 4.40	Version 4.40
Version 4.41	Version 4.41
Version 5.00	Version 5.00
Version 5.10	Version 5.10
Version 5.20	Version 5.20
What is OptiMod?	What is OptiMod?