

# **AudioED\_2.5**

Frank Enderle

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**COLLABORATORS**

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# Chapter 1

## AudioED\_2.5

### 1.1 AudioED 2.5

AudioED v 2.5

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First Public Release

AUDIOED IS SHAREWARE !!  
READ THE SECTION REGISTER.

#### CONTENTS

~DISCLAIMER~	Important !
~REGISTER~	Also important !
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~Preferences~	The personal taste...
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~Error~messages~	Error discriptions
~To~Translators~	Where you find some files
~Credits~	I wish to say 'thanks'

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## 1.3 REGISTER

First of all: excuse my partly bad English ! Thanks.

AudioED is SHAREWARE. If you're interested to use AudioED in the full spectrum you have to send me 20 DM. This can happen in many different ways. The easiest, and probably riskiest, way to send me the registration fee is to send it by mail. Another possibility is the international money order. Cheques are only accepted from within Germany. Make cheques/order payable to "Frank Enderle". My actual address is:

Frank Enderle  
Lessingstr. 9  
79312 Emmendingen  
GERMANY

For users in other countries: I also accept foreign currencies but only the following:

15 US\$, 10 £, 20 SFr oder 70 FF

On receiving the money I'll send you the newest AudioED version and a personalized keyfile containing you address as quick as possible. Using the keyfile you're able to print 'real' tape covers containing the 'real' titles. I spent very much time in creating AudioED and I suppose a price of 20 DM is

not too much. Updates will appear on the Aminet and maybe on the Aminet-CD and in some mailboxes. I don't distribute updates ! The keyfile you buy will works up to version 3.x (if there'll ever be one) of AudioED. For a major update (version 2.x to version 3.x) a registered user must pay 10 DM (the half registration fee) to me.

PLEASE ALLOW UP TO FOUR WEEKS FOR DELIVERY !!!  
(ESPECIALLY FOR USERS IN OTHER COUNTRIES - I'LL HAVE TO CHANGE THE MONEY !)

To all distributors of the demo-version for AudioED:

Everybody may copy AudioED. The program may be uploaded to every mailbox or server. The program may not be patched in any way. You may distribute it on CDs as long as the price is acceptable which is the range from 20 up to 60 DM ! AudioED may, of course, be distributed on Fresh Fish CDs and in the Aminet series. If you want to distribute AudioED on a coverdisk(s) (disk or CD) you'll have to contact me before.

## 1.4 Requirements

For using AudioED you need an Amiga, a harddisk and a printer.

The computer: faster means better. Using a 68000 you'll go mad or get a coffee contamination. At least a 68020 is recommended. Using a Amiga 1200 with 2 MByte RAM should be enough.

The harddisk is mainly required for MUI which needs lots of storage. My advice: install it and register for MUI.

There's no special printer required but the printer must be able to print graphics. Higher resolution means more joy at the results.

## 1.5 Intro

AudioED was born out of the idea to print tape covers using the computer. That's already about 3 years ago. At that time I and a friend decided to write the first version of AudioED using AmigaBasic. The program wasn't it even worth to be called a program. There was no GUI or other user friendly stuff included. The input was done using Input commands and the whole 'wonder' only works on one type of printer. This friend digged very on my nerves, until I decided one day to write a C version of AudioED. This version was called AudioED 1.00. A very big leap in the direction 'real program' was done. However, this version had also some disadvantages. For example, there were only 100 tapes that could be stored and the printing still depends on one printer type. Then the development stood still and AudioED has been used for private purposes. Mid 1993 I heard in the Computer Science Class of my school something about list-controlled databases. Suddenly I remembered AudioED which still got very dusty in the drawer of my desk. I removed the dust from the disk and looked again at the source of the program. The source was very sloppy and I decided to do a complete reprogram. There it was: AudioED 2.0. A new version that was it worth to become the version number 2.0. For the reprogramming I set some goals to myself:

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- \* completely programmed for OS 2.04
- \* a free data concept (no 100 tapes limit)
- \* follow the Style Guide
- \* printing on every printer
- \* be font-sensitive
- \* easy to use

Very high requirements - and I had to reach them. Since I only program on OS 2.04 the first item has been gone with the wind. The free data concept was a hard thing. I especially programmed a new shared library, called `idx.library`, which is included in this package. this library provides functions for list-controlled databases. The advantage of such a concept is that the program only have to keep something like a directory in the memory and this opens the way for many, many tapes. The third item was done by using MUI and raising the version number to 2.5 (in October 1994). The printer interface had been completely reprogrammed and then offered a graphic page instead of text mode. That's it ! Lets talk about the program.

AudioED is a program to print tape covers on the printer. The program contains the base elements of a database but it's still 'only' a program to print covers not to manage your tape collection. However, there is the possibility to save the tapes in a kind of a database. The printer output provides high quality tape covers. AudioED gets at the start of the print routine the maximum resolution of the selected printer and creates a bitmap where one pixel in the bitmap represents one pixel on the printer. Using this method it's possible to get the best quality on every printer. To get really the highest quality you must select Density 7 in the preferences program `PrinterGfx`. Select another density and you'll limit the output quality to that resolution (quite useably for a draft print). To generate such a big bitmap AudioED needs really big fonts. The best way to get them is to use Agfa `CompuGraph Fonts (tm)` which are included in the OS 2.04 system software. These fonts could be scaled in any way without any loss of quality. There are also bitmap fonts on the Amiga system. Scaling this type of fonts results in very ugly outputs. To scale fonts you must install at least version 37 of the `diskfont.library`. In the Upgrade kit for OS 2.04 of Commodore this library is banned to the Fonts disk. Since version 2.5 of AudioED I use MUI to create the user interface. The `Magic~User~Interface (MUI)` was created by Stefan Stuntz spending very much time in programming this wonderful program package. MUI is shareware. If you want to register send 30 DM (or more) to:

Stefan Stuntz  
Eduard-Spranger-Straße 7  
80935 München  
GERMANY

I can only say that MUI is it worth to register. You can get it also from mailboxes or via the Aminet (also Aminet-CD). If you want to get an appetizer look at `ThisIsMUI.ilbm`.

## 1.6 Magic User Interface

This application uses

## MUI - MagicUserInterface

(c) Copyright 1993/95 by Stefan Stuntz

MUI is a system to generate and maintain graphical user interfaces. With the aid of a preferences program, the user of an application has the ability to customize the outfit according to his personal taste.

MUI is distributed as shareware. To obtain a complete package containing lots of examples and more information about registration please look for a file called "muiXXusr.lha" (XX means the latest version number) on your local bulletin boards or on public domain disks.

If you want to register directly, feel free to send

DM 30.- or US\$ 20.-

to

Stefan Stuntz  
Eduard-Spranger-Straße 7  
80935 München  
GERMANY

## 1.7 Features

Some interesting features on AudioED:

- \* prints tape covers in the highest possible quality
- \* prints using Bitmap and Compugraph fonts
- \* offers the possibility to store the tapes in a database. The database may be freely expanded.
- \* takes advantage of the Commodore Style Guides
- \* offers Online-Help
- \* prints covers for normal and slimline tapes
- \* every Workbench printer which offers graphics is supported
- \* thanks to MUI AudioED works on every screen resolution
- \* a preview function helps to save paper

## 1.8 Installing

Installing AudioED is very easy. It supports the Commodore installer which is not included due to license reasons. You can obtain the Installer from the Aminet and several other sources. Start the install script simply by double clicking the icon.

## 1.9 Main window

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The main window of AudioED splits into three groups. Two of these three are nearly identical. This is the only window which offers a menustrip.

The Project-Menu

```
+-----+
| Project |
|-----+-----+
| Open Database... |
| Reorganize Database |
|-----|
| Preferences... |
| About... |
|-----|
| Quit |
|-----+-----+
```

Open Database... Using this menuitem you're able to open a database. If the database doesn't exist, it would be created.

Reorganize Database From time to time you have to clean your database up. You start such an action by selecting this menuitem. Reorganizing of a database can take some time to be done, depending on the size of your database.

Preferences... Open the preferences~window.

About... Shows the version and in the registered release the name and address of the user.

Quit Use this item to quit from AudioED. The database would be closed and some things would be stored in the file AudioED.resident. AudioED remembers the following:

- \* last used database
- \* number of last selected entry
- \* the resolutions in the preview~window
- \* the font sizes in the print~window
- \* the fontsets

On a new startup this file is read and all the parameters are restored.

Global-Group

This group contains all the information which are global (that's where the name comes from) to all tapes. The first sight surely recognizes the big listview which contains the tape list. Beneath this list you can find five buttons.

New Using this button you generate a complete new tape. The tape is appended to the bottom of the list. AudioED activate then the string gadget for the side title.

Up shifts the marked entry one position up.

Down shifts the marked entry one position down.

Remove removes the marked entry. If specified in the preferences-window you're ask for confirmation before removing the entry.

Below this buttons you find some string gadgets. Using the Title Side A and Title Side B string gadgets you can change the side titles of the marked entry. Under theses string gadgets you'll find another one called Fontset. Use this gadget to change the name of the used fontset. The gadget is assisted by a popup button which opens the fontset window.

### Side-Groups

For every tape side there's a sidegroup. Similar to the Global-Group this groups contain as main attraction a listview gadgets. These listviews contain the song titles and the times of each side. Beneath these listviews are buttons:

New creates a completely new and virgin entry. There's a limit of 22 entries. When you reach 22 entries AudioED will disable the New button.

Up shifts the marked entry one position up.

Down shifts the marked entry one position down.

Remove deletes the marked entry. If selected by the preferences a confirmation is required.

The Side-Group is completed through string gadgets. Using them you're able to change the Songname and the Length of the marked entry. You can also change the used Noise-Reduction and the Source of the tape. A little textfield at the right hand shows the complete tape length, calculated by the sum of the single song entries.

## 1.10 Das Druckfenster

Although this is not a big window, it offers many options. It's split into three groups: Fonts, Options and Misc.

### Fonts

The used fonts have a very strong influence on the look and feel of a tape cover. In this group you're able to change the single fonts a last time before you print. The changes don't affect the fontsets. Similar to the Global-Group Fontset gadgets you can also select a new fontset. If you change the fontset this change is not permanent, which means that if you close the print window and open it again the tape attached fontset is restored. If you want to change the fontset permanent you'll have to do that in the main-window.

Beside the string gadgets you find a little slider. Using this slider you're able to change the font sizes. You can adjust the font sizes in the following ranges:

- \* Titel from 1.0 to 5.0 mm
- \* Info from 1.0 to 5.0 mm
- \* Contents from 1.0 to 4.0 mm

Please note that the real size of the font depends on the font itself. So it's possible that the text overlap in few cases. In this case smaller the font by shifting the corresponding slider. When you quit AudioED the program saves the positions of the sliders and restores them after a new startup.

#### Options

- Test font dimensions    When this option is selected AudioED checks the textwidth at creation time. If the text won't fit in the cover the user is alerted by a requester and AudioED terminates the creation.
- Print sidelabels        If you select this AudioED prints in addition to the sidetitles the sidelabels A and B. When only one side of the tape has a title, this option is disabled and the title appears centered, without A or B, at the back of the tape.
- Print tape number      Here you decide whether the tape number is printed or not. The number appears at the back and at the backside (which is not the back ;-).
- Additional Label        When this option is activated the back of the tape is printed twice. You may probably ask why. The answer is easy: recently I got some slimline cases which were completely black. This looks real nice, but is deadly for covers. You simply can't read them. Now paste the second label on the tape and you'll now for now and ever what's the contents of this tape is.

#### Misc

Here you find some string gadgets, first of all Tape info. In this string gadget you can enter a little text which is printed on the backside of the tape cover. For example: I note here the type of the tape (vendor and playing time).

In Number you should enter the number of the tape. If you select Use position as tape number in the preferences-window AudioED would insert here the position of the tape in the tape list. Switching the option Print tape number to off you disable the number gadget since it has now no meaning.

Using the Type cylce gadget you can select the type of tape cover you're going to print. That's either normal or slimline depending on the case of the tape.

Last but not least there're some Comment string gadgets. Here you may enter a text which will appear beneath the songs on the cover. For example you can submit here the address of the owner.

What remains ?

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Print	inits the output to the printer. In this moment AudioED begins with scaling the fonts. Bitmap fonts are scaled very fast but the result is more than useless. If you use Intellifonts you'll need some time to scale the fonts since the computer have to do complex mathematic calculations. The result will be very good. Looks really nice :-))). After scaling AudioED opens a window and starts the printout. This window contains a gadget called Abort. If you click here you cancel the printout.
Preview	inits the output to the screen. After scaling the fonts AudioED opens the preview window and shows the results. Read also the chapter preview.
Cancel	aborts printing.

## 1.11 Vorschau

Using the preview mode you're able to see the results before you use the printer. This all profits in saving much print media.

X-DPI	Enter here the resolution in the x-direction. One inch corresponds to the number of pixels entered in this gadget.
Y-DPI	Enter here the resolution in the y-direction. One inch corresponds to the number of pixels entered in this gadget.
Redisplay	If you change X-DPI or Y-DPI this gadget becomes enabled. Clicking here redisplays the page using the new entered resolution.
Cancel	aborts the preview mode.

## 1.12 Die Voreinstellungen

This window is used to adjust some user variables. The window is splitted into two groups: Layout& Misc and Options. Most of the adjustments only take effect on the first opening of the print~window to set some gadgets to a defined state.

### Layout & Misc

Fontset	The fontset named in this gadget is copied to every new created tape. Using this option you can save some work in creating tapes.
Tape-Info	If you open the print~window for the first time after a startup the contents of this gadget is copied to the Tape-Info gadget of the print~window.

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Type	On opening the print~window this is the selected tape type. This only takes affect after the startup of AudioED.
Comment	On opening the print~window this is the entered comment. This only takes affect after the startup of AudioED.
Options	
Request on deleting entries	If this option is selected AudioED asks you for confirmation when you try to delete a song.
Request on deleting tapes	If this option is selected AudioED asks you for confirmation when you try to delete a tape.
Use position as tape number	Selecting this option AudioED takes the position of the tape in the list as the tape number when you open the print~window.
Test font dimensions	State of the Test font dimensions option in the print window after startup time.
Print sidelabels	State of the Print sidelabels option in the print~window after startup time.
Print tape number	State of the Print tape number option in the print~window after startup time.
And...	
Save	saves the preferences pernament to the harddisk, then the window is closed. After a reset the changes will be present again.
Use	saves the preferences temporary to RAM, then the window is closed. After a reset the changes are lost.
Cancel	close the window and don't perform changes.

## 1.13 Schriftsätze

This window is used to define several fontsets or to choose an existing fontset out of the list of available fontsets. A fontset is a set of three fonts used to typeset the tape cover. Using fontsets you're able to arrange these fonts without loosing the control over them. If you quit AudioED the fontsets are saved.

New	This button appends a new entry to the fontset list. The new entry receives the name Unnamed. You should change this name in any case since no double entries are allowed. You're alerted if you try to use a name twice.
Remove	The marked entry is removed from the list of fontsets.

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Title	The selected font for the title area. This font is used for the side titles on the back of the tape.
Info	The selected font for the info area. This font is used for the complete backside, the tape number(s) and for the Source and Noise-Reduction labels. Reduction.
Contents	The selected font for the contents area. This font is used for the songs, the song lengths and the comments.

That's it ! If you didn't understand what I tried to submit to you I recommend you to try the program out. Learning by doing !

## 1.14 Fehlermeldungen

Can't access intuition.library 37+

Can't access muimaster.library 8+

Can't access idx.library 34+

Can't access graphics.library 37+

Can't access diskfont.library 37+

It's not possible to open a required library. Maybe there's not the correct version or the library is not installed. Examine your LIBS: directory for the missing library. Use the VERSION command to check the library version.

Can't create MUI-Application

Maybe your screen is too small or you got not enough memory. Try a bigger screen and terminate background tasks.

Can't allocate Hook Object

Sorry, not enough memory ! Terminate background tasks.

Can't allocate memory

Not enough memory ! Terminate background tasks.

Write Error on Index- or Datafile

Possible disk fault, but check for write protection !

Read Error on Index- or Datafile

Possible disk fault, but check for read protection on file !  
Use DiskSalv (or an equivalent software) to repair the file structure.

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Can't create index-entry. Ran out of memory.

Not enough memory ! Terminate background tasks.

Index position invalid (?)

This error should be impossible. If it occurs it's a malfunction.

This is no AudioED 2.5 database !

You tried to open a database which wasn't created by AudioED in the version state of 2.5.

Can't create index or data file !

Due to some reasons, e.g. full disk, it's impossible to create a new data or index file.

You tried to use a fontset name twice.

It's not possible to use the name of a fontset twice in two different fontsets ! Read chapter Fontsets for further information.

The selected preferences printer supports no graphics !

You've probably selected the wrong printer driver (e.g. Generic). If your printer don't support graphics buy a new one ! The required printer driver may be found on the Storage disk of the system software package.

Some text in the Information Area won't fit in the cover.

Some text in the Title Area won't fit in the cover.

Some text in the Contents Area won't fit in the cover.

You use the option Test font dimensions and the entry won't fit the cover. Disable the option and use the preview feature to see which entry won't fit. Rename that entry and try again.

Can't open the selected Info Font !

Can't open the selected Title Font !

Can't open the selected Contents Font !

The selected font can't be accessed. Maybe the font is not installed correctly or it's incomplete. Check your FONTS: directory.

Can't open 'printer.device' !

Another task uses the printer port. Wait until the task finishes its work and try again.

The used fontset is currently undefined ! Using the default fontset.

---

You tried to use a fontset which is currently undefined. Define it and try again.

## 1.15 An die Übersetzer

Since I am able to speak and write German and at least a bit English you'll an English and a German version of the documentation and the catalog-files. For those of you who want to localize AudioED to their own language: you'll find the catalog-description and the catalog-translation for German in the directory AudioED/Locale/. Using these files with CatComp or CatEdit you should be able to a localization.

## 1.16 Credits

Thanks to:

- Uwe Kretschmer for the Betatesting.
  - Stefan Stuntz for his marvelous MUI.
  - Edd Dumbill for Heddley. AmigaGuide becomes so handy.
  - Dietmar Eilert for GoldED the best existing editor.
  - Amiga Inc. for the best computer.
  - Motorola Inc. for some nice processors.
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