

MUICD

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Chapter 1

MUICD

1.1 MUI CD Player

Please note: the author's native language is Polish, so please ←
forgive bad
spelling, grammar mistakes, etc.

MUI CD Player package version 1.07 (30-12-96)
The CDDA player for cd.device and MUI
Written by Piotr Pawlow (PP/UNION)

Introduction

Requirements

Installation

The package:

Player

Editor

Manager

Miscellaneous:

Files format

Acknowledgements

History

To do

Bugs

Author

About MUI

1.2 Introduction

Introduction

Since I bought a CD32 I was looking for a CD player that doesn't make small gaps between tracks while playing. Because all players make such gaps I decided to write my own.

This program is still incompleted. I released it, because I want to hear what do you think about it. Tell me if this project is worth to continue.

This program is placed in public domain, but if you want, you can send me some money :). I really need some!

Use these programs at your own risk. I'm not responsible for any damage these programs may do (but I'm quite sure that they will not eat your cat).

1.3 Requirements

Requirements

This package requires

MUI 3.3

or newer, MUI NList custom class

by Gilles Masson and a CD-ROM drive with a cd.device compatible driver.

1.4 Installation

Installation

It's very easy. Just copy all files wherever you want!

If you haven't NList custom class already, you will have to download and install it. New versions of NList can be found on:

- * ["ftp.bibliut.unice.fr/amiga/mui"](ftp.bibliut.unice.fr/amiga/mui)
- * Aminet
- * my WWW page: ["http://www.cs.com.pl/amiga/index.html"](http://www.cs.com.pl/amiga/index.html)

1.5 Player

MUI CD Player

Window contents

Menu

Tooltips

1.6 Window contents

Window contents (See preview)

Player's window consists of 3 groups:

Control group with gadgets to control playing:

Play, Stop, Pause, Eject, Previous, Next, < Search, Search >

Eject gadget will open/close CD tray or only turn off drive motor if your CD-ROM doesn't support ejecting.

Search gadgets are controlled from keyboard with "," and "." keys.

Info group with time and status information.

You can change time mode with the cycle gadget. Position of this gadget is saved when you save settings

.

This group disappears when the window is too small to fit it.

CD info group with name of the CD, list of track names, program list, and the "Edit" button.

The "Edit" button runs external editor program to edit inserted

CD.

To play a track from the list, double click on it.

If you press RMB on an entry in the list of tracks, this entry will become disabled (entry number will disappear). Disabled entries are not played (they're skipped while playing).

Program list keeps actual program for inserted CD. New entries can be inserted in the program by dragging them from list of tracks. Selected program entries can be deleted using Delete button below. Program can be written to disk using Write button. To play an entry from the program double click on this entry. Below the program list can be found a status line, it shows number of entries in the program and total playing time.

Please note that the program cannot be changed while playing it.

This group also disappears when the window is too small to fit it.

1.7 Menu

Menu

Project menu:

```

About
About MUI
-----
CD Manager - run
            manager
            CD Editor - run
            editor
            -----
Quit       - quit program

```

Settings menu:

```

LoopCD

Auto play

Auto use program

Joypad

Popup

Volume control

Play data track

Display program

Confirm quit
-----
MUI      -
MUI
preferences for player
-----
Save settings - save current settings to the icon as
tootypes

```

1.8 LoopCD

LoopCD

If this option is set then after reaching the end of CD it will be played again.

1.9 Auto play

Auto play

When you insert a CD, it will be played automatically.

1.10 Auto use program

Auto use program

CDs will be played using their programs.

1.11 Joypad

Joypad

When this option is set, you can control playing with a joypad.

Up/Down - scroll the list of tracks
Left/Right - previous/next track
Red button - start playing
Green button - eject
Yellow button - change time mode

Other buttons work like in the player built in CD32.

1.12 Popup

Popup

If this option is off, the player will start iconified.

1.13 Volume control

Volume control

Turns on/off the slider for volume level control.

Please note, that some drives don't support volume control, or support only mute (for example CD32).

1.14 Play data track

Play data track

If this option is turned on, data track can be played too. Please note, that some devices don't allow to play data tracks.

1.15 Display program

Display program

If this option is off, program list will not be displayed.

1.16 Confirm quit

Confirm quit

Always - the program will always ask if you really want to quit
Never - will never ask
While playing - you will be asked only while playing a CD

1.17 Use program

1.18 Tooltypes

Tooltypes

Currently supported tooltypes are:

LIBRARY
=<name>

DEVICE
=<name>

UNIT
=<number>

VOLUME
=<number>

VOLUMECTRL
=<YES | NO>

LOOPCD
=<YES | NO>

AUTOPLAY

```
=<YES | NO>

AUTOUSEPROGRAM
=<YES | NO>

CONFIRMQUIT
=<ALWAYS | NEVER | PLAYING>

TIMER
=<TRACK | TRACKLEFT | CD | CDLEFT>

PLAYDATA
=<YES | NO>

DISPLAYPROGRAM
=<YES | NO>

CX_POPUP
=<YES | NO>
```

1.19 Library

Library

The name of library that will be used to control specified device

.

In this release there's only one library "cddevplay.library" for cd.device and compatible devices.

I'm planning to add in future libraries for SCSI and ATAPI drives, but I don't know how to control these drives.

1.20 Device

Device

The name of device that will be used by player's library to control your CD-ROM.

For CD32 this should be cd.device.

1.21 Unit

Unit

Unit number for your CD-ROM (0 for CD32).

1.22 Volume

Volume

Initial volume value from 0 to 100%.

1.23 Timer

Timer

Initial timer mode.

1.24 Editor

CD Editor

This simple program is used to edit contents of one CD description file. It can be called from the

```
player
  or from the
manager
.
```

The main window contains:

- the
 - menu
 - a string gadget for CD title and Other
 - button
- a list with all tracks
- a string gadget with the name of selected track
- "Save" and "Cancel" buttons

You can use Drag'n'Drop feature to change succession of entries.

1.25 Menu

Menu

Project
About

```

About MUI
-----
CD Manager - call the
             manager
             -----
Load       - load a CD description from a text file
Save       - save current CD (like "Save" button in editor's window)
Save as... - save current CD as a text file
-----
Quit

Settings
  MUI...

```

1.26 Other

"Other" button

If you press this button a new window will open. The window contains a list with other CDs in the database having the same number of tracks than edited CD. So, if you insert a CD and this CD is not recognized, you can run the editor and use "Other" gadget - maybe you will find your CD in this list !

You can view any CD by selecting it from the list. Its contents will be displayed in editor's main window (don't worry - old contents will be saved). If you press "OK" then actual contents of main window will be used, and if you press "Cancel" - the old contents will be restored.

1.27 Manager

CD Manager

With this program you can manage your CD database. You can edit your CDs, delete them, search for some information, import CDs from other programs or export them.

After starting the program it will scan your database. It may take some time if you have a big database!

Program's window contains:

```

- the
      menu
      - a list of all CDs in the database
- 4 pages' group:
  *
      Commands
      *
      Select
      *
      Search

```

*
Imp./Exp.

1.28 Menu

Menu

```
Project
  About
  About MUI
  -----
  Rescan directory - rescan directory with your database, add comments to files
  -----
  Quit

Settings
  Show
    Number           - show CD numbers
    Tracks           - show number of tracks
    Dates            - show CD dates
    File names       - show
                    file name
                    for every CD

  Sort by
    Name             - sort by name of CD
    Number of tracks - guess :)
    Date             - by date of last change
  -----
  MUI
```

1.29 Commands

Commands

```
Show all           - show all CDs
Show selected      - show only selected CDs
Edit               - edit active CD
Delete             - delete selected CDs
```

1.30 Select

Select

```
All               - select all CDs
None              - deselect all CDs
Invert            - invert selection
Pattern           - select all CDs matching given pattern
```

This pattern is a standard
AmigaDOS pattern
.

1.31 Search

Search

Using this function you can search selected CDs for a given string. Wildcards are not supported.

1.32 Import/Export

Import/Export

MUI CD

- import/export for MUI CD Player (this player !)

Interplay

- import from Interplay

MegaCd Player

- import from MegaCd Player

ID files

- import from MCDP, CeeD, SkandalfoCDP etc.

Before importing database, you will be asked for an
AmigaDOS pattern
.

Only CDs
matching this pattern will be imported, so you can import only really needed
CD descriptions.

1.33 MUI CD

MUI CD Player

With this option you can import/export CDs in Manager's own format. Remember to always use it if you want to share your CDs with other people, don't just copy your "Disks" directory! Please use ".MCD" extension for exported files.

You must select CDs you want to export.

WARNING: If you import damaged file, the manager may hang.

1.34 manager_interplay

Importing from Interplay

Interplay is a great CDDA player for Overdrive, Zappo, CD32 or SCSI CD-ROMS written by Stian Olsen & Espen Skog. It can be found on Aminet.

Using this option you can import CD descriptions from Interplay. Interplay's database should be located in "S:" directory.

WARNING: If imported database is damaged, the manager may hang.

1.35 manager_megacdplayer

Importing from MegaCd Player

MegaCd Player is a CDDA player for CD32 written by Steven Ross. It can be found on Aminet. Its database is located in "datastore" directory.

WARNING: If the database is damaged, the manager may hang.

1.36 manager_idfiles

ID files import

The ID files are used by many players for SCSI CD-ROMs, like MCDP, SkandalfoCDP, CeeD etc. Each file contains one CD (this player uses similar format). ID files can be found in "Disks" directory.

CeeD uses slightly modified file names, so if you want to import from CeeD, switch the cycle gadget to "CeeD".

Some people making ID collections, are mixing files from CeeD with the other files. The manager cannot recognize file format, because it's sometimes impossible, but if you import files using wrong format, they will only have wrong IDs (so they will be unrecognizable by the player).

1.37 Files format

Files format

MUI CD Player uses some sort of ID files:

xxyyyyyy.zzzzzz

xx - number of tracks (hex)

yyyyyy - position of last track in LSN format (hex) (optional)

.zzzzzz - length of CD in MSF format (hex) (optional)

For example "0703E706.402649" means that CD has 7 tracks, last track begins at

sector 255750 (\$03E706) and length of CD is 64:38:73 (\$40,\$26,\$49).

This CD will be also recognized, when written as "0703E706" or "07.~~~~~402649".

When you insert a CD, the Player tries to read a file with complete information. If it fails, the program tries also incomplete format.

Every file contains:

- Name of CD
- Track names

The Manager uses also other format in which database is exported.

Format of archive file:

- "MCD1" string
- and for every file in the archive:
- name of file
 - length of file
 - file itself

Format of these files may be changed or extended in future.

1.38 Acknowledgements

Acknowledgements

Many thanks to Gilles Masson for his custom class - it's great !
Thanks to Stefan Stuntz for MUI. It's so easy to create very flexible user interface with it !
Thanks to my friend Marek Kostykowski for testing.

Greetings fly to (no order):

Hali
Tom
Kulfon
Irek P.
Infection
Docent
Diodak
Snoopy
Root
Shocker
Sachy
Tracer
Musashi
Pic
Amst
Magor
... and all I have forgotten

1.39 Bugs

Known bugs

Set window redraw to "with clear" in MUI preferences for the player, or you will sometimes get some graphical trashes while resizing the window. It's probably a bug in MUI.

1.40 History

History

- 1.00, 20-11-96 - First release
- 1.01, 26-11-96 - manager, editor, player:
 - * fixed some bugs in memory allocation.
- player:
 - * changed time counter - length of deselected tracks is subtracted from playing time.
- 1.02, 02-12-96 - editor:
 - * fixed stupid bug in drag'n'drop feature
- 1.03, 06-12-96 - archive:
 - * NList removed
- 1.04, 23-12-96 - player, editor and manager:
 - * now using their icons while sleeping instead of MUI default
 - * fixed possibility of small memory leak
- 1.05, 27-12-96 - player:
 - * added an option to play data tracks too.
- 1.06, 29-12-96 - player:
 - * things related to tracks' programming added
- 1.07, 30-12-96 - player:
 - * fixed timer in program mode

Changes in cddevplay.library:

- 1.0, 26-11-96
 - * some bugs fixed
 - * shorter :)
 - * some commands changed
- 1.1, 29-12-96
 - * removed code, that prevents from playing data tracks

1.41 To do

Things to do in the future

- Lyrics support
- Conversion from JukeBox
- library for SCSI and ATAPI drives
 - It's very hard for me to make such libraries, because I have only CD32.
 - I've included my library for cd.device, could anyone make a library for ATAPI or SCSI using this source ?
- your ideas :)

Don't expect new versions so soon, because I'm very lazy, and I haven't much time (but some money can push me to work harder :).

1.42 Author

Send your bug reports, suggestions, opinions, gifts and `-- money --` to:

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Poland

EEmail: `pp@cs.com.pl`

1.43 Patterns

AmigaDOS patterns (taken from `dos.library` autodocs)

The patterns are fairly extensive, and approximate some of the ability of Unix/grep "regular expression" patterns. Here are the available tokens:

? Matches a single character.
Matches the following expression 0 or more times.
(ab|cd) Matches any one of the items seperated by '|'.
~ Negates the following expression. It matches all strings that do not match the expression (aka `~(foo)` matches all strings that are not exactly "foo").
[abc] Character class: matches any of the characters in the class.
[~bc] Character class: matches any of the characters not in the class.
a-z Character range (only within character classes).
% Matches 0 characters always (useful in `"(foo|bar|%)"`).
* Synonym for "#?", not available by default in 2.0. Available as an option that can be turned on.

"Expression" in the above table means either a single character (ex: "#?"), or an alternation (ex: "#(ab|cd|ef)"), or a character class (ex: "#[a-zA-Z]").

1.44 About MUI

This application uses

MUI - MagicUserInterface

(c) Copyright 1993-96 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

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80935 München
GERMANY

Support and online registration is available at

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