

StreAmi_eng

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COLLABORATORS

	<i>TITLE :</i> StreAmi_eng		
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REVISION HISTORY

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Chapter 1

StreAmi_eng

1.1 StreAmi documentation

StreAmi v1.22 User Manual

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Introduction

- Introduction to StreAmi

Disclaimer

- Disclaimer

Requirements

- Software/Hardware requirements

Installation

- How to install StreAmi

Usage

- How to use StreAmi

FAQ

- Frequently Asked Questions

History

- What's New?!

Known Bugs

- Existing problems

Future

- What's still on the TODO list?!

Authors

- Contact information

1.2 Introduction

Introduction

StreAmi is a MUI based Amiga client for very popular audio streaming over the net. There are two well known streaming systems, Icecast and Shoutcast, which can send audio data over network compressed with mpg audio. StreAmi allows you to connect to such a server and listen to the audio in realtime. To get more information about streaming audio go to <http://www.SHOUTcast.com> or <http://www.icecast.org>.

Trademark and copyright notices

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Amiga, AmigaOS and Workbench are trademarks of Amiga, Inc.

SHOUTCast is a trademark of NullSoft, Inc.

MUI
is copyright © Stefan Stuntz

1.3 Disclaimer

Disclaimer

This software is provided "as-is", without any warranty and/or responsibility for the author to accidental damages caused by the use of the program.

Use this software at your own risk!

You can spread the program and all the related files as long as all remains unmodified.

1.4 Magic User Interface

This application uses

MUI - MagicUserInterface

(c) Copyright 1992-97 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.

1.5 Requirements

Requirements

- Any CPU to use MUI but at least 68030 for MPEG playback
- "fast" internet connection (at least 28.8k)
- about 300kb of memory
- AmigaOS 3.x
- MUI 3.8 or higher
- NList.mcc 19.97+ (MUI Class)
- TCP/IP stack (Genesis, Miami 2.0+ or MiamiDX)
- mpega.library (PPC, WOS or 68k)
- AHI

1.6 Installation

Installation

Hmmm more than simple.

Just unpack the StreAmi.lha file to any place on your harddrive and install mpega.library, NList.mcc and AHI like written in the readme`s/guide`s if not already done.

1.7 Usage

Usage

The following pages should describe all parts of StreAmi:

Main window

- Uhhh, what does this button do?! ;)

Server list

- Adding ShoutCast/Icecast servers via pulldown menu

Prefs window

- Configuration options

1.8 Main window

Main StreAmi window

```

-----
| -----Info----- |
| |                   |Name:           | |
| |   StreAmi         |Location:        | |
| |     Logo          |URL:             | |
| |                   |Genre:           | |
| |                   |MPEG Info:       | |
| ----- |
| -----Server----- |
| | Your Server Name           |B| | |
|---|---|---|---|---|
| | Status Window           | Connect | Prefs | |
| ----- |
-----

```

Name: The real name of the server you are connected to.

Location: Where in the world is the server located!?

URL: Use this URL with your browser to get more Information about the server... like playlists, faster servers aso.

Genre: What kind of music plays the server? Like Rock, Pop, Techno, ←
Trance etc.

MPEG Info: Shows info about the MPEG format of the stream you are ←
listening to.
Like kbps/s, khz and Mono or Stereo
More kbps/s and khz give better sound but the stream gets much ←
bigger
and you need a faster internet connection.

Your Server Name: The name of the server you gave it in the
Server list
.

B: Push this button to choose another server from your server list ←
.

Status Window: Gives you information about the status of StreAmi.
-Boring : StreAmi isn't doing anything
-Connecting : Trying to connect to a server
-Connected & PreLoading: Connected and filling the NetBuffer
-Connected & Playing : Connected and playing funky music
-Connection Timed Out : Server may be down or VERY slow ←
connection
-Server Full : Bad luck, server is full... try again ←
later
-Connection Refused : Server down or wrong port
-Server unavailable : Server down

-Disconnecting : StreAmi trys to disconnect, could take a while
 -Other?

Connect: Push this button to connect to the selected server in the server field

Prefs: Push this button to open the Prefs window

.

1.9 Server window

StreAmi Server List

```

-----
| ----- |
| |Name          | URL          | Port        | |
| ----- |
| |Blablalba     | 0.0.0.0     | 0000       | |
| |              |              |            | |
| |              |              |            | |
| |              |              |            | |
| ----- |
|   -----   |
| Name |      | Host |      | Port |      | |
| ----- |
|           |      |      |      |      | |
|           |      |      |      |      | |
|           |      |      |      |      | |
| ----- |
|           |      |      |      |      | |
|           |      |      |      |      | |
| ----- |
  
```

Name: The names of all servers in your list are listed below

URL: The URL's or IP's of the servers are listed below

Port: The ports of your servers are listed below

Name: Enter the name of the server in the field behind

Host: Enter the URL or IP of the server in the field behind

Port: Enter the port of the server in the field behind

Add: Push this button to add the data in the fields above to your server list

Delete: Deletes the selected serverentry

1.10 Prefs window

StreAmi prefs

```

-----
|
| Audio quality: |high/medium/low|
| =====
| Freq Div:      | 1 / 2 / 4 | |
|---|---|---|
| Force Mono:    |         | |
| -----
| AHI Unit:      | 0 / 1 / 2 / 3 |
| -----
| Audio buffer size (Kb): | 4-16 |
| -----
| Net buffer size (Kb): | 8 - 32 | | | | | |
|---|---|---|---|---|---|---|
| | Save & Use| | Use | | Cancel | |
| -----

```

- Audio quality: Choose playback quality of the MPEG stream. There are High, Medium and Low. Should only be used on slow systems and since the most audio streams give poor quality anyway...
- Freq Div: Divides the streaming frequency through the choosed number.
 Must not be used since most audio streams have low frequency anyway.
- Force Mono: Play's audio as mono only... gives extra speed but many streams use mono anyway.
 For all above have a look at the "MPEG Info" in the Main window
- AHI Unit: Choose the AHI unit for audio playback. You can set the parameters for the units with the AHI Prefs program.
- Audio buffer size (Kb): Set's the size of how many audio data is send to AHI every time.
- Net buffer size (Kb): Set's the size of how many data is fetched from the network.
 (data is fetched in asynchronous way)
- Save & Use: Save's all changes of the prefs and use's them.
- Use: Only use the prefs... nothing is written to the prefs file
- Cancel: Forget all changes you did to the prefs

NOTE: Prefs and server lists are stored in progdir: in a text file.
Do not mess with it unless you know exactly what are you doing.
You have been warned.

Changing prefs on fly does not work. Only audio buffer size
and net io size is updated. Save prefs and restart StreAmi to use changes.

1.11 FAQ

Frequently Asked Questions

Any questions?

1.12 History

History/Changes

1.1

- fixed problems with deadlocks if connection failed.
- no more deadlocks if connection is lost.

1.2

- fixed bug in ahi code causing crash.

1.21

- Fixed bug in Server List gui.

1.22

- Fixed bug which caused deadlock, when server sends error response on StreAmi request.
- AHI Unit was not read from .prefs file. fixed.

1.13 Known bugs

Known Bugs/Problems

- Changing prefs on fly does not work. Only audio buffer size and net io size is updated.
- With slow connections sometimes audio goes crazy. Dunno why.
- some of the errors are still displayed in CLI.
- Long disconnect times. Dunno why.

You think you found a bug? Send detailed info to: streami@frogger.rules.pl

1.14 Future

Future/TODO

- Support for #?.pls files should be added.
- CLI options whould be a nice idea too.
- Maybe I will also create server, for sending audio streams to the net.
- Volume control
- Graph for NetBuffer
- Arexx port
- Equilizer
- and many more...

Any suggestions? Send them to: streami@frogger.rules.pl

1.15 Authors

Contact Informations

Programming: Sebastian Jedruszkiewicz
StreAmi logo: Grzegorz Kraszewski
Documentation: Alexander Wachau

Send anything about StreAmi to: streami@frogger.rulez.pl
Get the newest version of StreAmi at: <http://frogger.rules.pl/streami>
Send anything concerning the guide to: MellowBrain@gmx.de
