gir

Sinisa Kesic

COLLABORATORS

	TITLE : gir		
ACTION	NAME	DATE	SIGNATURE
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

gir

1.1   gir.guide

```
              GIR

  The realtime internet audio player for GSM 6.10 speech compression
                          for AmigaOS.
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  Release 0.2

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1.3 Copyright and Distribution

Gsm Internet Radio - GIR

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sinisa.kesic@po.tel.hr

public@systematics.fido.hr

GSM 06.10 13 kbit/s RPE/LTP speech compression

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Jutta Degener (jutta@cs.tu-berlin.de)
Carsten Bormann (cabo@cs.tu-berlin.de)

1.4   introduction

Introduction

What is GIR ?

GIR is small internet realtime audio player for GSM 06.10 speech compression.

Gir was edited for C language and compiled with GNU C 2.7.2.1 for ixemul 45.0+
library .Gir use some of API funkcions from GSM 6.10 source distribution.

What is GSM ?

GSM 06.10 compresses frames of 160 13-bit samples (8 kHz sampling
rate, i.e. a frame rate of 50 Hz) into 260 bits; for compatibility
with typical UNIX applications, our implementation turns frames of 160
16-bit linear samples into 33-byte frames (1650 Bytes/s).
The quality of the algorithm is good enough for reliable speaker
recognition; even music often survives transcoding in recognizable
form (given the bandwidth limitations of 8 kHz sampling rate).

What with this ?

I don't know, first I thought that was good idea but when I sought for
testers in my country, I could not interest anyone for this project.
But in other country of the world I find many people who interesting
in it ,and becouse I was continue developing GIR . Tnx all for support .

All bugs and suggestions report to :

Author

1.5   req

Requirements

An Amiga computer ECS/AGA.

mc68020+

Not tested on 68020 but I think 68020 is not good enough.

Little memory = ~1MB (FAST memory speeds things up remarkably ;)

ixemul.library v45.0 + (from aminet)

ixnet.library v45.0 + (from ixemul packet)

AmiTCP or compatible connection to internet

OS 2.0. +

1.6 installation

Installation

Copy GIR directory and all files where you want. Use version for
your CPU (gir000 is for CPU 68000 & gir020 is 68020 and up)

1.7 distribution

Distribution

Please send mail to me and I would be happy if you want to distribute it

for non commercial purpose (pd/sharware collection), but if you wont to

distribute this commercialy, you must contact the author .

Author

1.8 future

Future

More sound-speach compressions, maybe support for MIDI files, MPEG, who knows ?

PPC version , of course !!

1.9   registration

Registration

If you like this software, please contact me and I will continue developing it.

No money, no gifts, only send mail to me and say somethig about GIR.

I am planing to include mpeg compression to GIR in future versions but this

is not small work and don't expect this for to-morrow .

If you won't to speedup project and help author send 10 US $ (15 DM)

in safely mail .

                   Author

1.10   usage

```
                Usage

        quick:
                click on GIR icon, and do what you want.


   add      button will add link from link window to data file gir.prefs
                     and add link on listview window
  connect   button will do connection to host written in link window

  volume    sound volume

  stop      will break connection and stop the sound

  save      will save gsm file to disk in same directory where is GIR,
                  the save button is only enabled before you press the  ←
                  connect button .

    in string window you may write internet adress of gsm file, adress must
    have format:
               http://adress.adress.adress/dir/dir/file.gsm
```

this version of GIR support playing local files, if you want in string
window write a local path, for example :

        dh0:dir/dir/file.gsm

if you playing gsm files from same directory where is GIR write in
string window only:
        name_of_file.gsm

                CLI USAGE

In this version you may start the GIR from shell ,the syntax is

        GIR   file.gsm

           or

        GIR http://interne.tadress/dir/file.gsm

           or

        GIR

all the syntax what you'll writte after GIR will be displayed in
string window .

                TOOLS

raw2gsm

        tool for converting 8 bit raw iff sample to gsm file

        usage:
           raw2iff sample file.gsm

gsm2raw

        tool for converting gsm file to 8 bit raw iff sample

        usage:

           gsm2raw file.gsm sample

littlegir

        cli version of GIR program for web brovsers and slow CPUs

1.11 preferences

Preferences

In file prefs.gir you will find some links to gsm files on internet.
You may add/delete some links with any text editor .

1.12 wanted

Wanted

docs/sources about other compressions, if you have or know for some, contact ↩
    the GIR author.

Sand me your gir.prefs and I'll include all interesting links to future GIR ↩
    relise

Author

1.13 author

Author

Sinisa Kesic
Hrvatskih branitelja 27
34000 Pozega
C R O A T I A

email:
sinisa.kesic@po.tel.hr
or

public@systematics.fido.hr

1.14 history

history

```
Version: 00.01 27-Jan-97
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include : GIR , Gir.guide
feature :
        - realtime playing GSM files from internet


Version: 00.02 14-Mar-97
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include: GIR , Gir.guide , raw2gsm , gsm2raw , littlegir
        for 68000 and 68020 versions
feature:
        - realtime playing the local GSM files and GSM files from internet
        - possible start form cli
        - include cli version of GIR nammed littlegir for WEB browsers
        - include tool for converting 8 bit raw iff samples to gsm files:  ←
          raw2gsm
        - include tool for converting gsm files to 8 bit raw iff samples:  ←
          gsm2raw
```