Taffys

Paul Bowen

COLLABORATORS

	TITLE : Taffys		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY	Paul Bowen	July 8, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

Taffys

1.1   Taffys Player

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              ============================================
              TAFFYS PLAYER VERSION 0.2 BETA
              ============================================


              Simple FreeWare Multiformat Module Player

                      © 2000 Paul Bowen

                 Taffy@pbowen.Freeserve.co.uk




         Introduction
         - About Taffys Player.

         Installation
         - Installing on a hard disk.

         Features
         - What it can do.

         Credits
         - Who what and where.

         Requirements
         - System requirements.

         Bugs Updates
         - Planned improvements updates.

         History
         - Bugs I've missed & fixed.

     This is beta Software use it at your own Risk you have been Warned.
```

1.2 introduction

INTRODUCTION

WHAT DOES IT DO..............

It tries to Play OctaMed and Protracker Modules using a mixture of
Assembly language routines and library calls.

Great yet other Module Player and whats so good about this one then

Err well.

* Its small compact size.

* The author is so sad he's tested it on just about every type of
   Octamed & Protracker Module.

* It makes loads of checks and informs the user if anything go's
   wrong (most of the time).

* Checks Fastmem loading/Playing and turns on/off accordingly.

* The user has a choice of using the simple window displayed on
   opening or clicking on the more gadget for extra goodies.

* Its got a very simple user interface.

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1.3 installation

Taffys Player (Installing it).

Installing this program is very easy you should have no problems just
drag the Taffys Player Icon wherever you wish it to go on your Hard
Disk.

LIBRARIES...................

All the Libraries you need should already be in your sys/libs Drawer
on your hard disk.

If not the program will tell you what version number you need
here's a list anyway.

*

            medplayer.library
                v7.1   4 Channels

*

            octaplayer.library
                v7.1   8 Channels

*

            octamixplayer.library
            v7.1   64 Channels

*

            ptreplay.library
                v6.6   4 Channels

- gadtools.library   v39
- asl.library   v40
- dos.library   v39   ;
- intuition.library   v40   ;

OBTAINING LIBRARIES...........

    You can obtain the player librarys needed from the following.......

AMIGA FORMAT..................

    Cover CDs 41-49 in :+System+/Libs for :- ptreplay.library v6.6.

    medplayer.library * octaplayer.library * octamix.library.

    can also be found in various draws on the above cds.

The AMINET....................

    The Aminet also contains all the above librarys.

OTHER SITES...................

    For the Octamed librarys try Http://www.Octamed.co.uk

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1.4 features

FEATURES

After loading a supported module you are able to PLAY STOP CONTINUE
from the small window.

CUSTOM WINDOW...............

Clicking on the "MORE" gadget after loading a supported module
opens a custom window with adjustable options for the module loaded.

Four Channel Octamed Module Loaded.

Eight Channel Octamed Module Loaded.

Mix mode (64) Channel Octamed Module Loaded.

Protracker Module.

General Module Information displayed on every window.
SUPPORTED MODULES............

* Four Channel Octamed Module's using
          Medplayer.library.
               v7.1

* Eight Channel Octamed Module's using
          Octaplayer.library.
               v7.1

* Sixty Four Channel Modules using
          Octamixplayer.library.
          v7.1

* Four Channel Protracker Modules using
          ptreplay.library.
               v6.6

FILE ID'S SUPPORTED.........

* MMD0 MMD1 MMD2 MMD3 M.K.

AUTOMATIC CHECKS.............

*
          Fastmem Play
          on/off at loading.

* Load Fastram check before loading.

* Does not rely on the MMD id for Module Replaying or loading.

* Automatically loads to Fastram if Chip to Small and turns on

        Fastmem Play
    .

* (Hope to add Load and play Fast RAM for Octamed Modules.)

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1.5 fourchannel

                Options for 4 Channel Octamed Module (medplayer Library v7 ←
                .1).

CYCLE GADGETS...............

    *
            Fastmem Play
                    Turns
            Fastmem Play
            on/off.

    * Reset MIDI   Not available in this version.

    *
            LowPass Filter
                Toggles lowpass filter on/off.
                        The Module Playing will override this
                        setting if lowpass filtering is used by the
                        Module.

INTEGER GADGETS.............

    * Fast Memory Play   Change the size of the Fast memory
      Buffer Size   Play buffer. See :-
            Fastmem Play
            BUTTON GADGETS...............

    * Apply Changes   Affects all the changes made with the cycle
                            and integer gadgets (Not Filter).
                            Divide's the integer contents by four checks
                            max min.
                            Stops the Module if Playing calls library
                            routine's required.

    * PLAY   Plays the currently loaded Module.

    * STOP   Stops the currently Playing Module.

    *   CONT   Continues the Module from current Position.

    *   EJECT   Stops/Ejects/Unloads Module free's Player
                                 Closes Player library.

PLEASE NOTE..................

    These options are only available by clicking on the more gadget
    when a supported Module is loaded.

    When Playing Module from first window after adjusting the above
    settings.

    *
            LowPass Filter
            on/off is Ignored.

    * Any Buffer size changes or
            Fastmem Play
             state will remain as set
    by this window.

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1.6 general

                        General Module Attributes

ATTRIBUTES...................

    * Module Size   Size of Module in Bytes.

    * Instruments   Number of Samples,Synth sounds used.

    * Num Blocks   Number of Blocks used.

    * Playing Seq   Number of Blocks in sequence.

    * Module File Type   Type of Module loaded.

    * Memory Type   Type of Memory used Chip or Fast.

PLEASE NOTE.................

    * Playing Sel is used instead of Playing Seq in Modules with file

type MMD2 and MMD3. Which is the number of Sequences Used.

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1.7 eightchannel

Options for 8 Channel Octamed Module (octaplayer Library v7 ↩
.1).

CYCLE GADGETS................

*

        Fastmem Play
              Turns
        Fastmem Play
        on/off.

*

        High Quality
            Turns High Quality mode on/off.

*

        LowPass Filter
          Toggles lowpass filter on/off. The Module
              Playing will override this setting if lowpass
              filtering is used by the Module.

INTEGER GADGETS..............

* Fast Memory Play   Change the size of the Fast memory Play
  Buffer Size   buffer. See:-
        Fastmem Play
        BUTTON GADGETS...............

* Apply Changes   Affects all the changes made with the cycle
                and integer gadgets (Not Filter).
                Divide's the integer contents by four checks
                max min.
                Stops the Module if Playing calls library
                routine's required.

* PLAY   Plays the currently loaded Module.

* STOP   Stops the currently Playing Module.

* CONT   Continues the Module from current Position.

* EJECT   Stops/Ejects/Unloads Module free's Player
                Closes Player library.

PLEASE NOTE.................

    These options are only available by clicking on the more gadget
    when a supported Module is loaded.

    When Playing Module from first window after adjusting the above
    settings.

  *
          LowPass Filter
          on/off is Ignored.

  * Any Buffer size changes or
          Fastmem Play
          state will remain
    as set by this window.

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1.8 sixtyfourchannel

       Options for Mix Mode 64 Channel Octamed Module (octamixplayer. ←
         Library v7.1).

CYCLE GADGETS...............

   *
         Set 14Bit Mode
           Turns 14Bit Play Mode on/off.

   *
         LowPass Filter
           Toggles lowpass filter on/off.The Module
              Playing will override this setting if lowpass
              filtering is used by the Module.

INTEGER GADGETS..............

   *
         MixBuffer
             Change the size of the Mixing buffer.

   *
         Change Mixing freq
          Change the Output Mixing frequency.

BUTTON GADGETS...............

    * Apply Changes   Affects all the changes made with the cycle
                               and integer gadgets (Not Filter).
                               Sets value in MixBuffer & Mixing frequency
                               integer Gadgets.
                               Stops the Module if Playing calls library
                               routine's required.

    * PLAY   Plays the currently loaded Module.

    * STOP   Stops the currently Playing Module.

    * CONT   Continues the Module from current Position.

    * EJECT   Stops/Ejects/Unloads Module free's Player
                               Closes Player library.

PLEASE NOTE.................

   These options are only available by clicking on the more gadget
   when a supported Module is loaded.

   When Playing Module from first window after adjusting the above
   settings.

   *
          LowPass Filter
          on/off is Ignored.

   * Any Buffer size changes will remain as set by this window.

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1.9 protracker

               Options for ProTracker 4 Channel Module (ptreplay.Library ←
                  v6.6).

CYCLE GADGETS...............

   *
          LowPass Filter
              Toggles lowpass filter on/off. The Module
              Playing will override this setting if audio
              filtering is used by the Module.

BUTTON GADGETS..............

    * PLAY   Plays the currently loaded Module.

```
    *   STOP                    Stops the currently Playing Module.

    *   CONT                    Continues the Module from current Position.

    *   EJECT                   Stops/Ejects/Unloads Module free's Player
                                Closes Player library.
```

PLEASE NOTE.................

    These options are only available by clicking on the more gadget
    when a supported Module is loaded.

    When Playing Module from first window after adjusting the above
    settings.

    *
            LowPass Filter
            on/off is Ignored.

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1.10 credits

                                    THANKYOU TO THE FOLLOWING

PLAYER LIBRARIES USED........

    Teijo Kinnuem and Ray-Frost & Copyright RBF Software.

    *
            Medplayer.library
                *
            Octaplayer.library
                *
            Octamixplayer.library

    Andreas Pålsson Copyright (c) 1996 Andreas Pålsson
    (Pucko/Digital Dreams)

    *
            ptreplay.library
                        ----

    *   Anybody who's Uploaded source code Thankyou.

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1.11   requirements

                              SYSTEM REQUIREMENTS

   * Amiga Running Workbench 3.0 or Better.

   * The Faster the processor the Better.

   * Should run on a standard Amiga A1200 not Tested can't be bothered
     to pull board out.

   * Will work with 2Megs but don't expect much with 2Megs of anything.

   * The more Memory the better.

   * Written on an Amiga A1200 040 16MB OS 3.5.


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1.12   bugs

                                    BUGS

WHAT DON'T WORK..............

     * Midi Loading/Reset Midi not active.

     * Can't spell to save my life.

UPDATES.....................

     * I hope to add more Players Plus PowerPacker and other Packers.

     * Toggle load to Fast/chip Mem.

     * Add Midi loading Playing.

     * Protracker Library Support. (Done)

     * This Software is Beta.

  * Written on an Amiga A1200 040 16MB OS 3.5

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1.13 history

                                           HISTORY

 FIRST UPLOADED...............

      * 16.12.99 Version 0.1 beta.

      * Plays octamed modules using (medplayer) (octaplayer)

        (octamixplayer) libraries.

       Bugs.......

      * Did not always close the file after reading it (sorry).

      * Crashed after loading a mix mod in fast ram.

      * Did not display mod size if less 10K properly.

 SECOND UPLOAD................

      * 16.1.2000 Version 0.2 beta.

      * Added Protracker support Fixed some major bugs the program
        should be more stable now.

      * Toggle filter on/off without hitting apply changes gadget added.

      * Once play-stop-cont is hit, repeatedly hitting that gadget will
        have no effect.

      * Major rewrite of parts of the whole program adding Protracker
        support was not easy. (Grab that audio.device and don't tell me
        about it then).

      * This Software is Beta.

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1.14 medplayer.library

MEDPLAYER.LIBRARY

BASIC INFORMATION............

  * Medplayer library is a shared library for loading and playing four
    channel Med Songs with MIDI support.

  * Please See Octamed Sound Studio programmers directory for
    more information.

  Written by Teijo Kinnuem & Copyright Ray-Frost RBF Software.

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1.15 octaplayer.library

OCTAPLAYER.LIBRARY

BASIC INFORMATION............

  * Octaplayer library is a shared library for loading and playing
    5-8 channel Songs.

  * Please See Octamed Sound Studio programmers directory for more
    information.

  Written by Teijo Kinnuem & Copyright Ray-Frost RBF Software.

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1.16 octamixplayer.library

OCTAMIXPLAYER.LIBRARY

BASIC INFORMATION............

* Octamixplayer library is a shared library for loading and playing
  1-64 channel Songs.

* Please See Octamed Sound Studio programmers directory for more
  information.

Written by Teijo Kinnuem & Copyright Ray-Frost RBF Software.

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1.17 ptreplay.library

                                  PTREPLAY.LIBRARY

BASIC INFORMATION............

    * Ptreplay library is a shared library for loading and playing
      4 channel Protracker Modules.

    * More information available on the Aminet and Amiga Format
      Cover CD 41:-Seriously_Amiga-/Programming/Basic/ACE_FTP/prgs/
      audio/ptreplay.lha

    Copyright (c) 1994-1996 Mattias Karlsson (BetaSoft)
    Copyright (c) 1996 Andreas Pålsson (Pucko/Digital Dreams).

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1.18 fastmemplay

                              FASTMEM PLAY

FUNCTION.....................

    * Enables or disables Fastmem playing, and sets the size of the
      output buffer 4 to 400 divisible by four.(rounded by program.)

    * Enabling allows samples greater than 131,072 bytes to be played in
      chip or fast ram.

    * Changes made only applied to module by clicking on the APPLY CHANGES
  gadget.

Only available in 4 and 8 Channel Octamed Modules.

1.19 Filter

                          LOWPASS FILTER

FUNCTION.....................

   * Toggling the Amiga's lowpass filter off/on done by this
      (bchg #1,$BFE001). Sorry !

   * Lowpass filter works by reducing the high frequencies.

   * Enabling the lowpass filter smooths the sound but reduces the volume.

   * Enabling the lowpass filter eliminates buzz at low sample rates.

   * Modules which toggle filter on/off will override filter setting.

   * Lowpass filter is set off when playing from first window.

1.20 Mode

              HIGH QUALITY MODE (8 CHANNEL OCTAMED MODULE)

FUNCTION.....................

   * Enabling smooths out the sound but takes up processor time.

   * An A1200 68020 is needed.

   * Significantly increases the audio quality.

   * Enabling reduces volume of Module.

   * Changes made only applied to module by clicking on the APPLY CHANGES
 gadget.

1.21 set14bitmode

14 BITMODE (64 CHANNEL OCTAMED MODULE)

FUNCTION....................

    ⋆ The sound is much louder when turned off but suffers from distortion.

    ⋆ An A1200 68020 is needed.

    ⋆ Enabling significantly increases the audio quality.

    ⋆ Enabling reduces volume of Module.

    ⋆ Changes made only applied to module by clicking on the APPLY CHANGES
gadget.

1.22   mixbuffer64

MIX BUFFER (64 CHANNEL OCTAMED MODULE)

FUNCTION....................

    ⋆ An area of memory used to mix samples together before output.

    ⋆ An A1200 68020 is the min spec here but still a bit slow.

    ⋆ Default of 1024 is adequate for most Modules.

    ⋆ Values between 4-32768 can be entered.

    ⋆ Changes made only applied to module by clicking on the APPLY CHANGES
gadget.

1.23   frequency

MIXING FREQUENCY (64 CHANNEL OCTAMED MODULE)

FUNCTION....................

    ⋆ Specifies in Hertz how quickly the samples should be mixed.

    ⋆ An A1200 68020 is the min spec here but still a bit slow.

    ⋆ The higher the frequency the better the sound quality the more
       processor load.

    ⋆ Highest possible frequency depends on the screen mode in use.

*   Maximum value program allows you to use is 28375.

*   Values between 1000-65535 can be entered.

*   Changes made only applied to module by clicking on the APPLY CHANGES
gadget.