Envelope

COLLABORATORS

	TITLE : Envelope		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		August 24, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Envelope

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              Envelope Printer Guide
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Version 1.08

24th December 1997 (Merry Christmas)

WARNING : READ THE DISCLAIMER BEFORE USE


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              The Author
              © 1997 Jason Brown
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1.2 Introduction

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Introduction
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Over Christmas 1996, my typewriter became terminally ill. The only thing
I used my typewriter for was to address envelopes. So until I could get a
new typewriter in the New Year, I decided to use my computer and printer.
However, I very quickly got tired of loading a word processor just to type
out an address (especially if I was low on memory and had to quit what I
was doing at the time).

So I decided to write a quick program that would print out the addresses
for me, thus Envelope was born.

Envelope is very simple. It prints addresses onto envelopes. It is also
small program.

Because of the vast expanse of E-Mail not everyone will have a use for this
program (I use it less often now I'm on the Internet). If fact most will
probably send it to the Trashcan immediately.

Envelope fully functions as a commodity.

Envelope is also fully font-sensitive and font-selectable.

1.3 Disclaimer

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I M P O R T A N T
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Although I have tested the program thoroughly and although the program code
is very simple, this software is supplied with no form of warranty or
guarantee whatsoever. USE IT AT YOUR OWN RISK

This does not only apply to crashing a machine with important work being
done on it, but also if an important envelope is misaddressed. In the end
you must check any envelope as soon as it is printed for any errors. I
will not be held responsible for any losses incurred by an important
envelope getting lost in the post because it was misaddressed.

YOU HAVE BEEN WARNED!!!

1.4 Licence

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Licence
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You are free to copy, distribute etc. Envelope as long as the archive
is not modified in any way and all files are kept intact and no charge other
than reasonable disk copying charges is made.

1.5 Requirements

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                Requirements
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Machine
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Envelope was programmed and tested on a A4000, so should run on an
A1200 without any problems.

Furthermore Envelope should run on any machine with Kickstart 37+
(AmigaDos v2 or higher), but since I do not have one of these to hand I
have been unable to test this for sure. If there are any problems then
please contact the
                Author
                .

Envelope will not run on AmigaDos v1.3 or lower

Envelope is fully font sensitive. If the font requested does not fit onto the
screen, then Topaz/8 will be used.

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Memory
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Envelope is designed to use as little memory as possible, so it can if
need be remain in memory permanently.

However, one thing to remember is that because Envelope uses the
standard printer device, then this will consume approximately 40K when opened
if no other program has used the printer device.

If memory is low and an error occurs (such as trying to open the main
window when there is not enough memory) then Envelope will quit
completely. This 'feature' was originally a bug, but I decided to leave it in
because if memory is that low, then you will need to quit out of something
anyway.

1.6 Usage

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                Usage
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Envelope can be started from either Workbench or CLI. See
                Tooltypes
                You will be presented with a requester which will open on the ←
                    default
public screen (almost always Workbench). This screen will also be brought
to the front.

There are six string gadget into which you should type the name and
address of the person you wish the envelope to be addresses to (although
you can type whatever you like for that matter).

There is a checkbox below these. If you have not set a sender's address in
the
                  Preferences
                  then this will be ghosted and you don't need TO
worry about it. If you have entered these details, then the state of the
checkbox dictates whether the sender's address will be printed.

There are four gadgets at the bottom. They are fairly self-explainatory
but just in case:-

QUIT - Quits

HIDE - Closes down the window, but the program is still in the Amiga's
         memory. It will re-open the window if :-
         a) The Hotkey 'Control LeftAlt E' is pressed
         b) Since Envelope is a commodity, you can use the Commodity
            Exchange program.

PRINT - This prints the data contained in the string gadgets onto an
         envelope. Envelope first re-initialises the printer, then
         performs six linefeeds, prints the appropriate data in Boldface, then
         performs a Form Feed to eject the envelope.
         Envelope currently indents the address 33 spaces.

PREFS - This will open a preferences window. See
                  Preferences
                          It was a bit of a crush making sure that it fitted onto a
         640*200 NTSC screen (does anyone use this mode), but on larger
         screens Envelope will increase the spacing, thus improving
         the look.

1.7 Tooltypes

                  Tooltypes

These are the Tooltypes allowed. If a Tooltype is in brackets, then it
is in effect 'switched off' and is ignored by Envelope (the same is true
for all programs).

For CLI startup, simply use the keywords below in the command line.
See
                  Bugs
                         .

You may now run more than one version of Envelope at once. So you could
have different Tooltypes set for different versions.

CX_HOTKEY   The Hotkey combination to open the window. If this is not set
               it will default to 'ctrl lalt e'.

CX_POPUP   If this is set to YES, then the requester will 'popup' when

first loaded. If set to NO, then Envelope will hide in the
background until the hotkey is pressed or called as a
commodity. Default is YES.

CX_PRIORITY   Set the priority of the commodity within the commodities broker.
               This is not the same as the TOOLPRI Tooltype however.

TOOLPRI   The programs priority. Defaults to 0 and I wouldn't mess around
               with it too much.

PREFSFILE   Where Envelope should look for it's preferences file.
               If this is not set, Envelope will look in ENV: then
               PROGDIR:

1.8 Preferences

                    Preferences

You can open the preferences window by clicking on the Prefs button
in the main window. You can also edit the preferences by loading the

                  PrefsFile
                  into a text editor.

Sender Information

Sender   Here you can enter six lines of the Sender's Address.
               No other lines will be added, so you may wish to pu
               "Sender:" on the first line.

Style   Select the print style for the Sender's Address

Print   This controls the state of the Print Sender's Address
               checkbox in the main window.

Other Information

Linefeeds   The amount of Linefeeds to perform down the envelope
               before printing the main address.

               Default is 6. Minimum is 6. Maximum is 50

Leftedge   The amount of spaces to perform across the envelope
               before printing the main address

               Your printer preferences margin could also affect this.
               If the main address is set to print in CONDENSED, then the
               because the width of the space is different, the value may
               need to be adjusted.

Default is 33. Minimum is 0. Maximum is 200

Init1   Initialisation data. Currently the only supported tool value
Init2   is HPLANDSCAPE. This should allow HP printer to print the
               envelopes in Landscape mode. INIT1 is the data sent to
               the printer at the start, and INIT2 is the data sent after
               the envelope has been printed. You need supply the
               information for both.

Device   By default Envelope prints to PRT: However, you can
               select a different device, say PRT2:

Address Style Select the print style for the Main address

Window Title   You can change the main window title here. This is useful
               if you have different versions of Envelope for different
               sized envelopes, different sender's addresses (business
               & personal) etc. By setting a different title, you can easily
               tell which is which.

Screen Font   Check this gadget if you wish to have the screen font.
               Otherwise click on the Choose button (you will have to
               uncheck the checkbox first).

               If a window can't be opened because the font you have
               chosen is too large, then Envelope will revert to Topaz/8.
               Although this shouldn't happen with the main window, it
               could happen with the preferences window on smaller screens
               with larger fonts. Who said you needed MUI for font
               sensitive requesters ;-)

1.9 PrefsFile

Preferences File

You can, if you wish, edit the preferences by loading the preferences
file into a text editor). These are the keywords that it currently supports.
To temporarily "turn off" a command, simply put any character before
it, like an asterisk (e.g. "*FONT topaz" will be ignored). Note, that
Envelope will completely remove these lines when saving it's own
preferences.

FONT   If you do not wish to use the default screen font, you may
               type in the name of another font in here. It must be in the
               format   "times.font 11" (without the quotes). The font
               name must include .font, followed by one space and then
               the font size.

LINEFEEDS   The number of linefeeds

LEFTEDGE   The left edge of the address.

```
WINTITLE       The main window title.

INIT1          Initialisation data. Same as the equivalent commands in
INIT2          the preferences window.

PRINTSENDER    Controls the state of the checkbox in the main window.
               If set to YES, the checkbox will be checked, but you can still
               print the sender's address by selecting the checkbox before
               printing. You must set some senderline data however

SENDERSTYLE    Four options are allowed. NORMAL, BOLD, ITALIC, CONDENSED.
ADDRSTYLE      You can mix them together  eg BOLDITALIC, but NORMAL
               will clear all styles. ADDRSTYLE is the main address style
               and SENDERSTYLE is the Sender's Address.

SENDERLINE1    The lines of the address of the sender.
2, 3, 4 etc

DEVICE         By default Envelope prints to PRT: However, you can
               select a different device, say PRT2:
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1.10 Arexx

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               Arexx
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Envelope supports Arexx. The default port name is ENVELOPE.1, the second
ENVELOPE.2 and so on. Up to nine different programs can be run at once.
These are the supported functions

PUTADDRESS <line> <text>   ie PUTADDRESS 1 Nelson Mandela

```
HIDE       Hides the Interface
SHOW       Shows the Interface
PRINT      Prints the envelope
QUIT       Have a Guess !!

OPENPREFS  Opens prefs window. No harm will be done if already open.
CLOSEPREFS Closes prefs window. No harm will be done if not open.
SAVEPREFS  Saves current preferences
```

You can also adjust all of the settings from Arexx. To do this just prefix
the keywords in the
               PrefsFile
               with SET. eg

```
SETLINEFEEDS 16                         Sets the linefeeds to 16
SETWINTITLE Arexx Window Title          Sets the window title
SETFONT xhelvetica.font 11              Changes the font
```

The SET commands will not have any effect if the preferences window
is open however and will return a Warn to the Arexx sender, so it's best
to perform a CLOSEPREFS first.

The only thing to remember is that Arexx automatically converts characters
to upper case, so when sending address line data the top example would
end up as NELSON MANDELA. I haven't found a way round this yet.

1.11 Bugs

                 Bugs
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– Just realised that the function Gt_GetGadgetAttrsA() is not supported
  on OS2.0. This function reads certain gadgets. This function will
  no longer be called on pre OS3.0 systems, but this will cause some
  problems since I don't know how to read cycle gadgets without this
  function. All other gadgets are scanned by a different process.

– If you have a custom PREFSFILE stored in ENV: or ENVARC: then Envelope
  will only save to that particular file. This is not the case with the
  default prefs file. (ENV:Envelope.prefs).

– The CLI options are not fully working. They work fine as long as
  you don't put a space in the actual argument eg.

  Envelope PREFSFILE s:Envelope.prefs   is fine
  Envelope PREFSFILE s:Envelope prefs   will not work (and should not)
  Envelope PREFSFILE "s:Envelope prefs"   still won't work (but should)

  Because of this, the CX_HOTKEY option will not work from the CLI, yet

– Cancel doesn't quite work as it should. It will cancel any changes
  you have made, UNLESS you press Test. This is still proving to be quite
  tricky to get round.

I can't test the HPLANDSCAPE tooltype since I don't have one of these
printers. Let me know how it works. You may have problems printing the
Sender's Address to Landscape however.

If something does go wrong then please contact the
                 Author
                 Try to send as much information as you can. A recent bug (crash if ←
                    no
prefs file is found) only caused a crash on some machines. It turned out
that it was only on Amigas with WB3.0 or lower. And remember to include
the version of Envelope you are running.

1.12 History

                 History
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05/05/97   Version 1.00

                         - Initial version

11/05/97   Version 1.01
                         - Fixed positioning for certain fonts
                         - Implemented Tooltypes
                         - Implemented configurable positioning
                         - Implemented Senders Address Details
                         - Implemented Selectable Font
                         - Implemented Popup/Hotkey options

18/05/97   Version 1.02
                         - Fixed crash bug on Hide window button
                         - Fixed address positioning if Sender's address wasn't used
                         - Implemented SENDERPRINT Tooltype
                         - Tidyied up code a bit

24/05/97   Version 1.03
                         - Fixed Tooltypes bug when running from a project icon
                         - Added a checkbox on the window to decide whether to print
                           senders details or not
                         - Implemented CX_PRIORITY tooltype
                         - Implemented DEVICE tooltype

29/05/97   Version 1.04
                         - Improved Font Sensitivity. Maximum font size now 30 points
                         - Improved GUI a bit. Made it a bit tighter.
                         - Fixed FONTSIZE, LINEFEEDS, LEFTEDGE & CX_PRIORITY Tooltypes
                           which couldn't be changed from the default settings.
                         - Fixed CX_HOTKEY which was broken for a different reason.
                           (I spelled it HOTEKY in the program code).

04/06/97   Version 1.05
                         - Implemented
                             Arexx
                           . Only a few basic commands at present.
                         - Improved Font Sensitivity even further. All my fonts now display
                           correctly including xhelvetica which previously didn't work
                           at all.
                         - Envelope now reverts to Topaz/8 if the font selected causes the
                           window to be larger than the current screen. Font size limits
                           have therefore now been removed. You should only encounter this
                           if you are using large fonts and/or a small screen.
                         - You may now run more than one version of Envelope at any one
                           time. Up to nine may be run at once.

18/06/97   Version 1.06
                         - Implemented WINTITLE tooltype
                         - Implemented INIT1 tooltype
                         - Added additional Arexx commands
                         - Envelope now closes fonts upon exit

10/12/97   Version 1.07
                         - Major rewrite to allow multiple windows
                         - Now reads a preference file
                         - New preferences window (with full font-sensitivity)
                         - Multiple print styles can be applied to Sender's Address
                           AND main Address (before only condensed could be applied

```
                           to the Sender's Address).
                      - Fixed the problem with the Print Sender's Address
                      - Memory for strings is now allocated when needed and can
                        be of any size (there were limits on string sizes before).
                      - Fixed crash bug when a non-existent font was selected.
                      - Improved GUI.

24/12/97    Version 1.08
                      - Added keyboard shortcuts in the preferences window
                      - Fixed a bug which would cause a crash if the prefs file could
                        not be found (only on systems prior to WB3.1)
                      - If a prefs file could not be found, then the Window Title
                        will be set to No Prefs File
                      - Saving preferences now works if no preferences were loaded
                        in the first place (to ENVARC: and ENV:)
                      - A window redraw (change of font, window title) no longer
                        causes the address data to be cleared.
                      - Implemented CLI startup options. Not fully complete. See
                           Bugs
                                    - Added many more
                         Arexx
                          commands
                      - Added a MagicWB style icon for Envelope.
                      - Increased the maximum leftedge value to 200 to accomodate
                        some HP printers which have a wide left margin until I can
                        sort out true initialisation codes.
                      - Increased the spacing between the buttons in the main
                        window (one user kept missing the button).
                      - The Device string in the preferences window will now display
                        the default (PRT:) if nothing else is set. This default won't
                        be "saved" in the prefsfile however.
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1.13   Things for future releases

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Future
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Ideas for the future

- Configuration of Sender's Address position (bottom left, on reverse side).
  This may be nessecary for HP printers anyway because of the Landscape
  envelope feeding.

- Address Book and Database Scanning options. (slowly moving up the list).

- The ability for the user to set printer initialisation codes for various
  special commands. Landscaping, printer fonts, different tray etc.

- Possible MUI & ClassAct version. To be honest, I don't think this is
  nessesary. I do find writing font-sensitive GUI's very easy indeed
  (take a look at the prefs window), but if I get enough demands for it,
  I will certainly consider it.
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1.14   The Author

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Contacting the Author
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If you wish to send me bug-reports, requests, etc. my E-Mail address is

jason@albatross.co.uk
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