WindowDaemon 1.6

COLLABORATORS

	TITLE : WindowDaemon 1.6		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		September 19, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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WindowDaemon 1.6

1.1   WindowDaemon 1.6 (15.02.94)

```
              WindowDaemon 1.6         Copyright (C)1992,93,94 David Swasbrook.
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```

1.2   Its not my fault...

```
Disclaimer
**********
```

  I hereby reject any liability or responsibility for these or any
  other consequences from the use of WindowDaemon whatsoever. This
  includes, but is not limited to, damage to your equipment, to your
  data, personal injuries, financial loss or any other kinds of side
  effects.

  Although WindowDaemon has been tested thoroughly on several different
  machines, I cannot rule out the possibility that WindowDaemon

      o is somehow incompatible to your equipment

      o has bugs that show up on your equipment

      o does not do what it is supposed to do on your equipment

  It is your responsiblity to take any precautions necessary to
  protect yourself from these or any other effects. I explicitly
  reject any liability or responsibility from the consequences of you
  using WindowDaemon.

      Swaz.

1.3   Shareware distribution info...

```
Shareware
*********
```

  WindowDaemon is shareware. The program may be freely distributed and
  copied, as long as the following conditions are fulfilled:

      o The sales price must not be higher than the cost of an (empty)
        disk plus a nominal copying fee plus costs for shipping. The total
        price must not be higher than 5 US$.

      o All parts of the program and the documentation must be complete.
        The distribution of single parts or incomplete subsets of the
        original distribution is NOT ALLOWED.

      o WindowDaemon or parts of it may not be sold in combination with or
        as part of commercial software.

      o Program and documentation may not be changed in any way.

   o Permission has been given for distribution through Aminet and
     Fred Fish.

WindowDaemon is shareware, this means I request those users, who
use WindowDaemon, to send me the shareware fee of 10 US$ (or any other
contributions gratefully accepted) to the following address:

Postal: David Swasbrook,
               43 Pickwick Parade,
               Howick,
               Auckland,
               New Zealand.

Internet: swaz@iconz.co.nz (private)
          or   msd@iconz.co.nz

Please include the following information in your registration:

   o your name, address (electronic mail addresses preferred)

   o your Amiga model(s)

   o Kickstart and Workbench versions

   o the WindowDaemon version number

 I assure you that the information you send me will be treated
confidentially.

 I will try and inform everybody, who has registered with me as
described above, when a new version of WindowDaemon becomes available.

 If you have sent a sharware donation, if possible, you will recieve
an update through mail (preferably email).

Thank you very much in advance !

1.4 introduction

               Introduction
****

 WindowDaemon gives you more control over intuition windows and screens:

 o Windows and screens can be manipulated by several
                Arexx commands
                  o The active window may be pushed to the front or back my ←
                    pressing the
   left and right mouse buttons simultaneuously.

 o A
                special feature

available under kickstart V39 only is the ability
   to close the parent window when double clicking on a drawer.

  o When closing a workbench drawer window while holding down control
    its parent drawer window will be opened up.

1.5 Bonus V39 feature!

```
Special V39 Feature
*******************
```

  When you open a drawer on workbench and hold down CONTROL, the currently
  active window will be closed when workbench has finished displaying the
  drawers window.

1.6 installation

```
Installation
************
```

  Double click on the "install" icon.

1.7 development

```
What is "matrix.library"
************************
```

  Yet another library to put in your LIBS: drawer.

  "matrix.library" has been developed over the last year or so, and has
  become a general utility library currently containing 167 functions,
  used by many programs I have written.

  Matrix.library is a development tool which will be used in
  forthcoming releases of programs I have written.

  The name "matrix" came from "The Matrix" - The computer system used
  by the TimeLords (Re: Dr Who).

```
Current Projects
****************
```

  Current Projects being worked on:

    BlankerServer   - modular screen blanker

    GateKeeper/BBS/Terminal/Console... - bbs/terminal

```
    MatrixSoundDaemon                       - sound player

    MedPlay                                 - med module player

    ModePrefs                               - screen promotion

    Plus several miscellaneous (hacky) programs.
```

1.8 How to use WindowDaemon

```
                How To Use WindowDaemon
***********************

                Workbench/CLI

                Arexx

                Sounds

                Settings
```

1.9 How to configure WindowDaemon

```
                WindowDaemon Settings Editor
*******************************

  The editor for WindowDaemon settings may be activated through the
  WindowDaemon interface by selecting the "Settings" button.

  Pop Up          - if checked then the interface window will be
                    displayed the first time this program is run.

  ALT patch       - if checked then patches will be installed for
                    the ALT-CloseWindow to perform the action of
                    closing all workbench windows.

  CONTROL patch   - if checked then a patch is installed such that
                    when you double click on a drawer on workbench
                    the currently active window will be closed.

  Both Buttons    - if checked this will enable the window to front
                    or back action to be performed when both mouse
                    buttons are down.

  MSDSounds       - if checked this will send an Arexx command to the
                    Arexx Port named "PLAY". See
                  Sound Useage
                  .

  Reverse Close   - if set then when a window is closed its parent
```

                           window will be opened. Also when a drawer is opend
                           its parent window will be closed. It is necessary
                           to set the CONTROL patch for these features.

   Arexx Port   - Sets the name of the arexx port.

   Font   - Sets the font to be used for the windows.

   Listview   - This is a list of all the hotkeys, double click
                      on an entry in this list and you get a brief
                      description on what that hotkey action does and
                      you are able to define the
                    hotkey
                      .

   Save   - Save the current settings to the icon.

   Use   - Use the current settings

   Cancel   - Do nothing, thouch nothing, get Kryten!

1.10   CLI/Workbench Arguments

                    Workbench/CLI Arguments for WindowDaemon
   ****

   WindowDaemon can edit and save the tooltypes if you use the
   editor buit into WindowDaemon. See
                   Settings
                    The following arguments may be specified as either ToolTypes or
   entered in on the command line. If possible WindowDaemon will load
   the tooltypes from the icon (if available) and any cli arguments
   will overide the tooltypes specified.

   AREXXPORTNAME   - Sets the name of the arexx port.
                          Default is "WINDOWDAEMON"

   BOTHBUTTONS   - Enable left and right mouse button press to push
                          the active window to the front or back.
                          Default = TRUE.

   CX_POPKEY   - The hot key to display the WindowDaemon interface.
                          Default = "CONTROL ALT w"
                    See HotKey
                     CX_POPUP   - Show the WindowDaemon interface. Default ←
                       = TRUE.

   CX_PRIORITY   - Set the priority of the WindowDaemon broker.

   CONTROLKEYPATCHES   - Install patches to the CONTROL key to close the current
                          window when you open a drawer on workbench, and to open

```
                                   the parent window when the current drawer is closed.
                                   Also when CONTROL-BACKSLASH is pressed the active window
                                   will be closed (if it has a closegadget).
                                   ( NOTE: The close current window patch is only available
                                   under kickstart V39 or higher )

    REVERSECLOSE               - initial state of the reverse close feature.

    FONT                       - Name and size of the font to use for the window.
                                   Eg. "topaz 8"

    HOTKEY_ZIP                 -
                       HotKey
                       to zip/unzip active window

    HOTKEY_MAKEBIG             -
                       HotKey
                       to size window to minimum size

    HOTKEY_MAKESMALL          -
                       HotKey
                       to size window to maximum size

    HOTKEY_FRONT              -
                       HotKey
                       to bring active window to front

    HOTKEY_BACK               -
                       HotKey
                       to push active window to back

    HOTKEY_FRONTBACK          -
                       HotKey
                       to push active window to front or back of display

    HOTKEY_CLOSE              -
                       HotKey
                       to ask active window to close

    HOTKEY_CLOSEPARENT        -
                       HotKey
                       to ask parent of active window to close

    HOTKEY_PREVWINDOW         -
                       HotKey
                       to activate previous window

    HOTKEY_NEXTWINDOW         -
                       HotKey
                       to activate the next window

    HOTKEY_NEXTSCREEN         -
                       HotKey
                       for poping the next screen to front

    HOTKEY_SCREENTOP          -
                       HotKey
```

```
                    for pushing screen to top of display

HOTKEY_FORCECLOSE      -
                    HotKey
                    for forcefully closing active window (DANGEROUS)

HOTKEY_REMTASKOWNER    -
                    HotKey
                    for removing task that owns the active window

HOTKEY_SCREENCLOSE     -
                    HotKey
                    for closing the current screen (VERY DANGEROUS)

HOTKEY_WSCREENFRONT    -
                    HotKey
                    to bring active windows screen to the front.

HOTKEY_WBTOFRONT       -
                    HotKey
                    to bring Workbench to the front

HOTKEY_PUBSCREEN       -
                    HotKey
                    to bring default public screen to the front.

HOTKEY_MAKEPUBSCREEN   -
                    HotKey
                    to make the active screen the default public screen.
                             It must however be a public screen.

HOTKEY_CLOSEWBWINDOWS  -
                    HotKey
                    to close all workbench drawer windows that are open.

HOTKEY_TOGGLEREVERSECLOSE
                             -
                    HotKey
                    to toggle reverse close state.

HOTKEY_INCREASEPRI     -
                    HotKey
                    to increase the priority of current task

HOTKEY_DECREASEPRI     -
                    HotKey
                    to decrease the priority of current task

MSDSOUNDS             - Allows MSD sounds, default = TRUE

PRIORITY              - The priority to run the WindowDaemon task at.


o For convenience shorter equivalents have been added
  for the HOTKEY identifiers:

  ZP = HOTKEY_ZIP
```

```
    MB = HOTKEY_MAKEBIG
    MS = HOTKEY_MAKESMALL
    FR = HOTKEY_FRONT
    BA = HOTKEY_BACK
    FB = HOTKEY_FRONTBACK
    CL = HOTKEY_CLOSE
    CP = HOTKEY_CLOSEPARENT
    PW = HOTKEY_PREVWINDOW
    NW = HOTKEY_NEXTWINDOW
    NS = HOTKEY_NEXTSCREEN
    ST = HOTKEY_SCREENTOP
    FC = HOTKEY_FORCECLOSE
    RT = HOTKEY_REMTASKOWNER
    SC = HOTKEY_SCREENCLOSE
    WS = HOTKEY_WSCREENFRONT
    WB = HOTKEY_WBTOFRONT
    PS = HOTKEY_PUBSCREEN
    MP = HOTKEY_MAKEPUBSCREEN
    CW = HOTKEY_CLOSEWBWINDOWS
    RC = HOTKEY_TOGGLEREVERSECLOSE.
    IP = HOTKEY_INCREASEPRI
    DP = HOTKEY_DECREASEPRI
```

1.11   How to use WindowDaemon from Arexx

```
                Useage of WindowDaemon with Arexx
**********************************

  WindowDaemon has an arexx port named "WINDOWDAEMON" and it will
  accept the following commands:

  o The name of the port may be set in the
                tooltypes or as a cli argument
              .

  General Commands
  ****************

    HIDE              - hide the interface window

    QUIT              - ask the WindowDaemon to quit

    SHOW              - display the interface window

  Window Commands
  ***************

    BACK              - push active window to the back

    CLOSE             - send a close message to the active window

    CLOSEPARENT       - close the parent window of the active window

    CLOSEWBWINDOWS    - closes all the drawer windows open on the
                        workbench screen.
```

```
    FORCECLOSE          – this will force the active window to be closed
                          without informing any tasks using the window.
                          This is only of use if an application crashes
                          and leaves windows open.
                          (NOTE: If you close windows that are still in
                           use you may find that you will crash)

    FRONT               – bring active window to the front

    FRONTBACK           – push active window to the front or back

    INCREASEPRI         – increase priority of task owning current window

    DECREASEPRI         – decrease priority of task owning current window

    MAKEBIG             – size active window to maximum dimensions

    MAKESMALL           – size active window to minimum dimensions

    NEXTWINDOW          – activate the next window

    PREVWINDOW          – activate the previous window

    ZIP                 – zip/unzip the active window.

  Screen Commands
  **************

    CLOSESCREEN         – this will close the active screen without
                          informing any tasks using the screen. If
                          necessary any windows on the screen are also
                          closed without informing the tasks that own
                          them. This is only of use if an application
                          crashes and leaves screens open.
                          (NOTE: If you close screens that are still in
                           use you may find that you will crash)

    MAKEPUBSCREEN       – make the active screen the default public screen,
                          it must however be a public screen.

    NEXTSCREEN          – pop the next screen to the front of the display
                          and activate its last window.

    PUBSCREENTOFRONT    – bring the default public screen to the front

    SCREENTOP           – pop the active screen to the top of the display
                          at (0,0)

    WINDOWSCREENFRONT   – bring the screen with the active window to the
                          front.

    WORKBENCHTOFRONT    – bring the Workbench screen to the front.

  Miscellaneous Commands
  *********************
```

```
   REMTASKOWNER        - this will *REMOVEo the task that owns the active
                         window.

   TOGGLEREVERSECLOSE - this toggles the current state of the reverse
                        close feature for CONTROL CLOSEWINDOW.

 The above commands may be executed from CLI via Arexx by typing

   rx ' address <PORTNAME> <COMMAND>

 Examples:
 *********

 1) To quit the WindowDaemon

   rx ' address WINDOWDAEMON QUIT

 2) To close the active window

   rx ' address WINDOWDAEMON CLOSE

 3) To zip/unzip the active window

   rx ' address WINDOWDAEMON ZIP
```

1.12   Audio effects for windows...

```
                 MSD/UPD Sounds
***************

 WindowDaemon will play sounds through a Sound Daemon such as MSD or
 UPD. These add an Arexx port to the system called "PLAY" and the
 following sound id's are sent to the port:

   WindowDaemon/CloseScreen          - when a screen is closed
   WindowDaemon/CloseWindow          - when a window is sent a CLOSEWINDOW
   WindowDaemon/CloseWindowTrue      - when you FORCE a window to be closed
   WindowDaemon/DecreaseTaskPriority - task priority decreased
   WindowDaemon/DefaultPubScreen     - when the default pub screen is brought
   WindowDaemon/IncreaseTaskPriority - task priority increased
   WindowDaemon/NextWindow           - activation of next window
   WindowDaemon/NextScreen           - activation of next screen and window
   WindowDaemon/RemTaskOwner         - removal of task owning window
                                       to the front
   WindowDaemon/ScreenToTop          - screen has been moved to (0,0)
   WindowDaemon/WindowBig            - window is made big
   WindowDaemon/WindowScreenToFront  - the active windows screen has been
                                       brought to the front
   WindowDaemon/WindowSmall          - window is made small
   WindowDaemon/WindowToBack         - when window pushed to back of display
   WindowDaemon/WindowToFront        - when window brought to front of display
   WindowDaemon/WorkbenchToFront     - when you bring workbench to the front
   WindowDaemon/ZipWindow            - zip/unzip
```

```
o Sounds are only available if the
              tooltypes or cli argument
              MSDSOUNDS
  is set to TRUE.
  Example: MSDSOUNDS=TRUE
```

```
Acknowledgements
****************
```

UPD is Copyright © 1991 Jonas Petersson & Absolut Software (aka Sirius Soft)

MSD is Copyright © 1992,93 David Swasbrook. (Not released yet)

1.13 updates

```
Update Information
******************
```

  I will try and further improve WindowDaemon if I have time for it.
  Registered users will at least get a notification when new versions of
  WindowDaemon get available that contain significant changes or enhancements.

  New versions of WindowDaemon will also be available on the Internet per
  "anonymous FTP" (look on Aminet).

  In order to be able to improve and/or correct WindowDaemon, I would like to
  ask every user to do the following:

    o send me the registration fee of US$ 10

    o send me bug reports, if you find any bugs

    o give me hints how to improve WindowDaemon

  Thank you very much in advance !

1.14 What is a hot key...

```
              What is a HotKey?
****************
```

  HotKey description strings have the following template:

  [CLASS] (([-]QUAL)|SYN)o [[-]UPSTROKE] [HIGHMAP|ANSICODE]

              CLASS

              QUAL

```
                    SYN

                    UPSTROKE

                    HIGHMAP

                    ANSICODE
                      (o means zero or more occurances of the of the expression in  ←
                          brackets)
```

```
Examples:
*********

  "CONTROL \"
    This hot key is activated when the "\" (backslash) key and the control
    key are pressed at the same time. We can set this to close the active
    window by setting the
                    tooltypes or cli argument
                    like:

          HOTKEY_CLOSE="CONTROL \"
      or   CL="CONTROL \"


  "LALT SHIFT F10"
    This hot key is activated when the LEFT ALT key, either SHIFT key
    and F10 are pressed at the same time.  We can set this to zip the
    active window by setting the
                    tooltypes or cli argument
                    like:

          HOTKEY_ZIP="LALT SHIFT F10"
      or   ZP="LALT SHIFT F10"


  "LCOMMAND  A"
        - This is actually the equivalent of "LCOMMAND SHIFT a"
```

1.15 CLASS

```
CLASS
*****
  Is one of the following strings:

  RAWKEY, RAWMOUSE, EVENT, POINTERPOS, TIMER, NEWPREFS,
  DISKREMOVED, DISKINSERTED

  If not specified, the class is taken to be RAWKEY.
```

1.16 QUAL

```
QUAL
****
  Is one (or more) of the following strings:

  LSHIFT, RSHIFT, CAPSLOCK, CONTROL, LALT, RALT, LCOMMAND,
  RCOMMAND, NUMERICPAD, REPEAT, MIDBUTTON, RBUTTON, LEFTBUTTON,
  RELATIVEMOUSE

  A preceding '-' means that the value of the corresponding
  qualifier is to be considered irrelevant.
```

1.17 SYN

```
SYN
*** Syn (synonym) is one (or more) of the following strings:

  SHIFT, CAPS, ALT

  SHIFT   - left or right shift
  CAPS    - shift or capslock
  ALT     - either alt key
```

1.18 UPSTROKE

```
UPSTROKE
********
  If this token is absent, only DOWNSTROKES are considered
  for RAWMOUSE (MOUSEBUTTONS) and RAWKEY events.  If it is
  present alone, only UPSTROKES count.  If it preceded by
  '-' it means that both up and down strokes are included.
```

1.19 HIGHMAP

```
HIGHMAP
*******
  One of the following strings:

  COMMA, SPACE, BACKSPACE, TAB, ENTER, RETURN, ESC, DEL, UP,
  DOWN, RIGHT, LEFT, HELP, F1, F2, F3, F4, F5, F6, F7, F8, F9,
  F10, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, (, ), /, *, -, +
```

1.20 ANSICODE

```
ANSICODE
********
  A single character token is interpreted as a character code,
  which is looked up in the system default keymap.
```

1.21   Only the english locale is currently supported...

```
Locale Support
**************
```

  The WindowDaemon interface supports locale, unfortunately I have
  not done translations for any languages other than english.

  Included in the archive is the Catalog Translation file just in
  case you would like to translate it into your locale.

  Catalog filename   matrix/windowdaemon.catalog

1.22   List of contributors

```
Contributors
************
```

  Special thanx to Barry McConnel for suggestions, bug reports and
  testing.

1.23   history

```
History Information
******************
```

'V1.6' o Aminet release

'V1.5' o Added task priority control of active window

  o Beta release only.

'V1.4' o Fixed data-alignment problem

  o Added locale support.

  o Control-\ patch added to CONTROLKEYPATCHES to close
    the active window. This was added so you can close any
    window not just cli's with this key combination.

  o Hopefully have fixed the 'bug' that would occasionally
    lock the system when you double clicked on an icon while
    holding down control.

  o Added option to reverse the CONTROL-CLOSEWINDOW and
    CONTROL-DOUBLECLICK on drawer. To get normal window
    actions you need to hold down control if this flag is
    set. This is toggleable via a hotkey or arexx command.
    New arguments REVERSECLOSE, RC=HOTKEY_TOGGLEREVERSECLOSE.

  o Beta release only.

'V1.3' o Internal release only.

'V1.2' o Internal release only.

'V1.1' o Now has a user interface to configure all the hotkeys

   o Added new argument/tooltypes: CONTROLKEYPATCHES,
      MP=HOTKEY_MAKEPUBSCREEN, CW=HOTKEY_CLOSEWBWINDOWS

   o New arexx commands: MAKEPUBSCREEN, CLOSEWBWINDOWS

   o Can now open parent when you close a workbench drawer window
     when holding down the CONTROL key

'V1.0' o Initial release on Aminet.