AddPower

COLLABORATORS			
	TITLE : AddPower		
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WRITTEN BY		January 5, 2023	

REVISION HISTORY			
NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

AddPower

1.1 main

Welcome to
 AddPower 37.14!
 -
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 Ian J. Einman
AddPower is a
commodity
 that adds several miscellaneous useful features
to the operating system.

 Installation and Usage
  How to start using AddPower

 Intuition Preferences
  Intuition hotkeys and enhancements

 AmigaShell Preferences
  Enhancements to the Shell

 Floppy Preferences
  Floppy disk drive settings

 System Requirements
  AddPower requires Workbench 2.0 or better

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 Program History
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1.2 Installation

To install AddPower, drag its icon into your WBStartup drawer. To install
the on-line help, copy "AddPower.guide" to the "HELP:" directory.

When AddPower is first run, it does not show its window unless CX_POPUP=YES.
Running it again will cause the window to appear. You may also choose a
hotkey that will cause the window to appear. The Commodities priority and
the WBStartup priority may both be set from AddPower.

When you close the AddPower window, AddPower is hidden but active. To remove
AddPower from memory, select "Quit" from the menu.

Press the HELP hey or select "Help" from the menu to get on-line help.

Choose "Save" to save your preferences. They are stored as icon tooltypes.
I do not suggest that you modify these from Workbench. I use the ReadArgs
function to parse them, so AddPower will not tolerate formatting errors.

1.3 requirements

                    Workbench 2.0 or above is required to use AddPower. Most features ←
                       are not
feasible to add to Workbench 1.3 and below. My enhancements for Workbench
1.2 and 1.3 are available on Fred Fish disk 939.

You must have amigaguide.library to use the on-line help. AmigaGuide is
available for all Amigas, and is included with Workbench 3.0.

Workbench 3.0 is not required, but if you have it:

1.
                FIXMENUS
                 will lay out all menus as NewLookMenus.

These features have no effect under 2.0 or 2.1, but will not hurt anything.

1.4 Commodities

AddPower installs itself as a Commodity, and recognizes standard Commodities
tooltypes CX_PRI, CX_POPUP, and CX_POPKEY. These tooltypes may be modified
from within the program.

AddPower will respond to the following external signals:
   CTRL-C: Quit   CTRL-E: Quit
   CTRL-D: Window Disappear   CTRL-F: Window Appear

AddPower uses Commodities for hotkey processing. Any standard Commodities
hotkey definition is accepted. Consult your Workbench User Guide for more
information on hotkey definitions.

If you do not wish to use a hotkey, place parentheses around the hotkey
definition. This will disable the hotkey without erasing its definition.

1.5 Intuition Preferences

AddPower has several enhancements for screens, windows, and menus, ←
and the

following

hotkeys
 are provided:

 Center Window
  Center active window on screen

 Next Window
  Activate next window and bring to front

 Zip Window
  Zip window to alternate size and dimensions

 Toggle Filter
  Toggle audio filter

 Layout Menus
  Re-layout ugly menus with GadTools

Check the box to activate the following options:

 AutoCenter
  Center unpositioned windows upon opening

 Shanghai
  Open windows on front screen instead of default screen

 BorderBlank
  Make area outside of screens black

 FixScreens
  Enhance 1.3-style screens, center screens

 FixMenus
  Recolor menus, use NewLook for 3.0+

 ReqTools
  Replace system requesters with reqtools.library

1.6   Window Keys

Pressing the "Center Window" key will center the active window on the screen.
It will not affect backdrop windows and undraggable windows.

Pressing the "Next Window" key will make a new window active, and bring that
window to the front. Pressing it repeatedly will cycle through all windows
on the current screen.

Pressing the "Zip Window" key is equivalent to clicking the active window's
Zoom gadget. This will move the window between one position and size and
another.

1.7   togglefilter

Pressing the "Toggle Filter" key will toggle the state of the audio filter.
On most Amigas the power light will dim when the filter is turned off. Sound
is usually of higher quality when played without the filter.

1.8   layoutmenus

                Pressing the "Layout Menus" key will cause GadTools to layout the ←
                menu of the
currently active window. This will improve the look of menus that are not
designed to use your Screen Font.

The reason I have made this a key rather than an automatic feature is that
some programs need more precise control over their menus and can not use
GadTools effectively. This would result in ugly menus.

See also:
                FixMenus

1.9   autocenter

AUTOCENTER will center many windows that open with no specific position.
This will usually center:

1. 2.0+ style windows with no WA_Left/WA_Top tags.
2. 1.3- style windows with a (0,0) position.

AUTOCENTER will not affect the following:
a. Windows with a height less than 24, to keep titlebar-type windows from
    opening in the wrong place (fixing an incompatiblity with DirectoryOpus)
b. Backdrop windows and other windows that are not draggable
c. Extremely big windows that are meant to open right under the titlebar

1.10   shanghai

SHANGHAI will make all windows that try to open on the default public screen
appear on the front screen. The front screen does not have to be public.

This will "shanghai" the AmigaShell and most utilities that usually open on
the Workbench screen.

Be very careful to close all visitor windows that are on another program's
screen before you quit that program.

SHANGHAI can have irritating effects if you are not used to it. It is
harmless, but, for example, if you "window iconify" DirectoryOpus, it will
appear on the next screen behind Opus rather than the Workbench. Always be
aware of which screen is in front. SHANGHAI will even pirate Workbench
windows to the front screen if you double click an icon with another screen
partly in front of Workbench!

1.11   borderblank

                BORDERBLANK makes the area outside of screens black instead of the ←↩
                    background
color. This is only for visual effect; you may prefer the new look.

This feature turns on genlock borderblanking for all screens. If you are
actually using a genlock, it will block the image around the border.

BORDERBLANK affects all currently open screens, as well as any new ones that
open. This is to allow AddPower to turn on BORDERBLANKING for the Workbench
screen even after the screen is open, so now all features function correctly
when AddPower is placed in your WBStartup drawer.
                v37.5

1.12   fixscreens

FIXSCREENS adds new operating system features to 1.3-style screens.

The following things are done:
    1. The screen font is set to your Preferences screen font.
    2. The palette is initialized to your full Preferences palette.
    3. The screen pens are cloned from your default public screen.
    4. The screen is centered horizontally to your overscan dimensions.

Note: FIXSCREENS only affects screens upon opening.

1.13   fixmenus

                FIXMENUS will fix the colors of all menus.

The following things are done:
  1. All windows are set up for NewLookMenus.
              Workbench 3.0+ only
                2. All menus are given the proper colors.

Note: FIXMENUS only affects menus when they are first laid out.

See also:
                Layout Menus
                 hotkey

1.14 reqtools

                REQTOOLS will make system requesters (such as DOS requesters) use ↩
                 the

                reqtools.library
                . These requesters will be centered on the screen and
the text will also be centered in the requester. The Return and Escape keys
are key equivalents for the left and right buttons respectively.

If you do not have reqtools.library, the option will have no effect.
Tested with v38.1022: compatibility with previous versions not guaranteed.

1.15 reqtools.library

reqtools.library is (c) 1991/1992 Nico François.

This library may be found in many public domain collections.

Contacting the author:

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          B-3060 Bertem
          BELGIUM

ReqTools features the following requesters: a query requester, a string
requester, a number requester, a file requester, a font requester, a palette
requester and new in release 2.0 of ReqTools a volume requester and a screen
mode requester.

Also available is the excellent file compression utility PowerPacker.
Look for powerpacker.library support in a future version of AddPower.

1.16 Shell Preferences

AddPower has several features for use with the AmigaDOS Shell.

You can open a new shell window by pressing the Shell Key. Type your Shell
command in the Shell text gadget, like "NewShell CON:/70//140/AmigaShell".
You may change the Shell Key, but most people use "left_amiga ESC".

Check the box to activate the following options:

        MultiDir
         Recursive directory creation

        WildStar
         Allow "*" as a pattern for "#?"

        AssignSys
         Assign System disk to a new disk

        DosReq
         Allow file requesters from DOS

1.17 multidir

MULTIDIR allows recursive directory creation. Normally, if you attempt to
create a directory "a/b" and the directory "a" does not exist, an error will
result. MULTIDIR will create "a" first, then "a/b".

The command
   makedir ram:t/u/v/w
will not fail if ram:t/u/v does not exist, but instead will do the following:
   makedir ram:t
   makedir ram:t/u
   makedir ram:t/u/v
   makedir ram:t/u/v/w

1.18 wildstar

WILDSTAR makes the asterisk character "*" equivalent to the wildcard "#?"
in AmigaDOS.

For example, if WildStar is enabled,
   list c:s*
will list all files in the C: directory that start with "s".

1.19 assignsys

ASSIGNSYS will allow you to make all system assigns at once with one assign.
When this feature is enabled, if you assign "SYS:" to a different location,
AddPower will attempt to make as many system assignments to it as possible.

```
"Assign SYS: disk:" will:
   1.   Assign SYS: disk:
   2.   Assign C: disk:C disk:RexxC
   3.   Assign S: disk:S
   4.   Assign L: disk:L
   5.   Assign LIBS: disk:Libs disk:Classes
   6.   Assign DEVS: disk:Devs
   7.   Assign KEYMAPS: disk:Devs/Keymaps
   8.   Assign PRINTERS: disk:Devs/Printers
   9.   Assign FONTS: disk:Fonts
  10.   Assign LOCALE: disk:Locale
  11.   Assign HELP: disk:Locale/Help
  12.   Assign REXX: disk:Rexx
  13.   Assign ENVARC: disk:Prefs/Env-Archive
```

It is not necessary for all of these directories to exist. Only assigns to
valid directories will be changed.

1.20   dosreq

DOSREQ allows file requesters to be used in programs that do not support them.

Use a double caret "^^" as the file name to call the file requester.
The sequence "^_" refers to the last name selected by the file requester.

For example, in NewZAP 3.3 (©1986-92 Dallas J. Hodgson), there is a string
gadget for the file name. Enter ^^ into this file gadget, and the ASL
file requester will appear. Select the file, and this file will be loaded
into NewZAP.

This may not work with many programs, but it is harmless to try.

1.21   Floppy Preferences

AddPower can stop the clicking and change the buffer size of your floppy
drives, and make a few advanced modifications.

Select the drive you wish to modify in the cycle gadget.

Mute: Check this box to silence the drive clicking.

Buffers: Set this slider to the desired disk buffer size. This replaces any
          AddBuffers commands for floppy drives in your Startup-Sequence.

Step: Set this slider to the step rate your drive should function at.
          The default value is 3000, if your drive can handle a faster speed
          with no problems set this to 2500 or even less.

Other: If you don't have a reason to change these, leave them alone.
          Consult Commodore technical documentation for more information.

1.22 Defaults

The default values for all settings are listed below:

```
AddPower Key:    ctrl alt a

Center Window:  left_amiga TAB
Next Window:    left_amiga w
Zip Window:     left_amiga z
Toggle Filter:  left_amiga `
Layout Menus:   right_amiga HELP

Shell:          NewShell
Shell Key:      left_amiga ESC
```

All toggle options are turned on by default.

The default key definitions are for Workbench 2.1 and above. You may need
to change "left_amiga" to "lcommand" and "ctrl" to "control" if you are using
only 2.0.

1.23 Author

```
Program and Documentation by:        Developed on:
   Ian J. Einman                        A3000/25MHz 68030 (the Slayer)
   P.O. Box 5711                        240MB HD, Workbench 3.0
   Bellingham, WA 98227 USA
                                     Documentation prepared using:
This program was written using:         GoldED by Dietmar Eilert
   HiSoft Devpac 3 assembler            AmigaGuide (MultiView)
----------------------------------------------------------------------
```
Please write me with any suggestions, questions, or complaints.

```
Thanks to:
   Richard Thoresen – for testing all of my programs on his A1200,
   Fred Fish – for distributing AddPower in his excellent collection,
   You – for using the software and making it what it is today.
```

1.24 copyright

AddPower is ©1994 Ian J. Einman.

This software is released under the concept of freeware. I own the source
code, and control all releases of updates, but I encourage the widespread
distribution of this software.

You may not legally modify the software except by compression or encryption,
and you must keep the documentation with the file. You cannot include the
software in a copyrighted collection if your copyright infringes on anyone
else's right to do the same. You may include the software in a commercial
product at no additional charge.

I am not responsible for any harm to your data, computer, dog, or garden that
the software may cause. Dammit Jim, I'm a man, not a machine. Contact
                  me
                  if you do have any problems, and I will try to help.

1.25   Update History

                  AddPower will be constantly updated and enhanced. New
                  ideas
                   are
constantly under development. You can obtain updates from me or from many
public domain collections. This is a history of previous versions.

37.14 Additions:
   Fixed ViewMode problem with SAS/CPR 6.5

                  AUTOCENTER
                   will not center backdrop or no-dragbar windows
   Layed out window interface a little better

37.13 Additions:

                  AUTOCENTER
                   will center windows in more cases
   Optimized code, tuned up OpenWindow function
   Added LayoutMenus Hotkey, removed a lame one (don't remember what)

37.12 Additions:
   Rewrote
                  FIXSCREENS
                   to be more reliable and accurate:
      Now will horizontally center any screen (including OctaMED)
      Will not change any program supplied tags (such as pen colors)

                  SHANGHAI
                   now works by patching LockPubScreen(0) to return front screen

37.11 Additions:
   Gadget creation code rewritten using new algorithm; faster, smaller,
      and easier to add/change/move gadgets in the future
   Window redesigned in a more attractive and easy to use manner

37.10 Additions:
   NewShell uses path list of Workbench if loaded from Workbench
   Added menu and removed action buttons

37.9 Additions:
   AddPower now uses ReadArgs for both DOS and Tooltype arguments
   Added Hotkeys for
                  NewShell
                   and several
                  Intuition
                   functions
   Changed font from Topaz 8 to system default font
   Code optimized, enhanced, and restructured

```
37.8 Additions:
   AddPower is now a
                 commodity
                  with standard commodity features
   Patch process significantly altered and enhanced
   Patches share global data with AddPower for internal communication
   DOS Status display eliminated (no longer useful)
   AddPower responds to CTRL-C, CTRL-E, and CTRL-F signals
   Added
                 BUFFERS
                  to floppy disk preferences
   Fixed some potential incompatibilities with 68040 copyback mode

37.7 Additions:
   Added
                 Floppy Disk Preferences
                    Removed CANCEL gadget (not very useful)
   Added Close Gadget to window
   Many changes in internal code
   Changed look of user interface

37.6 Additions:

                 ASSIGNSYS
                  Option
   Workbench now saves options as tool types
   New format for AmigaDOS display of current features

37.5 Additions:
   "WINDOW" Option (replaced by "CX_POPUP=yes" v37.8)
   Changed AmigaDOS template to keyword format
   Workbench now parses tooltypes; user can configure program without DOS
   Does not open window upon first installation; usable with WBStartup

                 BORDERBLANK
                  now affects all open screens

37.4 Additions:

                 CENTERWINDOW
                  Option (renamed AUTOCENTER v37.8)

                 REQTOOLS
                  Option

   Replaced portion of patch that depended on v39 utility.library.
   No longer has illegal instruction errors under Workbench 2.1 and below.

37.3 Additions:
   Workbench interface
   DISKMUTE Option

37.2 Additions:

                 WILDSTAR
                  Option
```

```
37.1 Creation:
   Integration of CreateDirPatch, NewLook, DashReq into one DOS command.
```

```
I apologize for any inconvenience that may occur due to undetected
programming errors.  I am only able to test this program with a 68030
and Workbench 3.0, but this program is intended to be compatible with
V2.0/2.1 machines and 68000 and 68040 processors as well.  Please
                report
                any incompatibilities with your system to me immediately.  Thank  ↩
                    you.
```

1.26 Future

```
Future versions of AddPower may not fit into one window.  Some options may
be moved to seperate requesters and menu items.  I would appreciate feedback
as to which items users access often enough to keep them in the main window.
```

```
Future enhancements:
```

```
    *  Font cache
    *  Customizable DOSREQ
    *  Load/Save PowerPacked fonts, icons, libraries
    *  Random file name feature
    *  EYEBALL memory/vector watcher for virus/corrupt task protection
    *  Additional hotkeys
    *  Color and screen attribute substitution
    *  AUTOCENTER / SHANGHAI exceptions
    *  File Requester substitution
    *  CRASHTASK memory/screen cleanup protection (!)
```

```
What the hell does all this mean, you ask?  Patience, Jedi...
```

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