

MultiCX

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COLLABORATORS

	<i>TITLE :</i> MultiCX		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

MultiCX

1.1 MultiCX-Guide Main

MultiCX 2.0 (9.9.95)

The ultimate Multi-Function-Commodity

MultiCX is the smallest Multi-Function-Commodity for the Amiga, thought as a replacement for many larger and sometimes badly programmed programs. It is a 100% pure commodity, which means that it does not use interrupts and no special input handlers. Some Patches (SetFunction) are installed in a very clean way, so that they do not interfere with other programs which use the same vectors.

As a result MultiCX can safely be disabled or removed at any time.

If you need a clean Commodity without bad hacks there's no alternative !

Legal Stuff

Who did it?

Installation

Features

Notes~and~Hints

History

To~do

Credits

!!! MultiCX is SHAREWARE !!!

1.2 Installation

MultiCX Installation

Here you can install MultiCX automatically. It will be detected which OS you are using and whether you are installing MultiCX new or whether you are just updating. In the second case you have to add the new tooltypes or these functions will be disabled. For more information about new tooltypes have a look at the history.

[Click here to install.](#)

1.3 Features

MultiCX Features

Notification

Screen~Blanker

Moire~Screen Blanker

Mouse~Accelerator

Mouse~Blanker

Screen~Cycling

Mouse~Shift

Window~Cycling

SUN-alike~Window~Activation

HoldX~and~HoldY

Enter~ASCII

Map~Umlauts

CapShift

NoCapsLock

Window~Close & Zoom
Window~Remember
CenterScreen
HotFlush
PopCLI
FrontPubScreen
System~Flags
Trackdisk~Parameters
Public~Screen~Flags
Internal~and~External~Preferences
Advanced~EditHook
Advanced ResetHandler
SetFunction~Patches
AssignWedge
NewLookMenus
OS 3.x only!
NewLookProps
WBExtender
TagScreens
LockPens
OS 3.x only!
FixOpenWB
OS 3.x only!
NoFormat
LockPatch
Opaque Windows
OS 3.x only!
ShapeShifter Support
HandleCX

1.4 Notification

 Notification

MultiCX recognizes any changes of the ToolTypes while running, so there's no real need for a GUI.

1.5 Screen Blanker

 Screen Blanker

MultiCX includes a simple but compatible screen blanker. It always uses the display mode which fits best to the actual front screen, while taking the lowest resolution with only one plane.

AVOIDTASK and AVOIDSCREEN fully support AmigaDOS pattern matching and work case insensitive.

If LIKEWB and SCRMODE are set, SCRMODE is only used if WB is not available for some reason. But this should never happen...

 ToolTypes:

SCRBLANK=n	sets number of seconds until screen blanks, 0 means OFF
HOTBLANK=Qual&Key	sets hotkey for immediate blanking
CDNOBLANK	do not blank screen if Carrier is detected (currently only supports internal serial port)
CDUNBLANK	unblank screen if Carrier is detected (currently only supports internal serial port)
AVOIDTASK=Pattern	do not blank screen if OwnerTask of active screen matches pattern
AVOIDSCREEN=Pattern	do not blank screen if Title of active screen matches pattern
LIKEWB	forces cloning the WB's display mode
SCRMODE=ModeName	selects a display mode by name

1.6 Moire Blanker

 Moire Blanker

MultiCX has a really nice screen blanker, too! It steals no processor time from other tasks, and if it couldn't draw a line for longer than 10 seconds it falls back to a simple black screen. There are some parameters to play with...

ToolTypes:

MOIRE	selects Moire blanker
LINES=n	number of lines, default is 2
TRAIL=n	length of trail, default is 64
XSPEED=n	x offset for next line, default is 4
YSPEED=n	y offset for next line, default is 6
CSPEED=n	color cycling delay, default is 16
COLOR=n	drawing color, range is 1-4095 0 means Random, -1 means Color Cycling

1.7 Mouse Accelerator

Mouse Accelerator

MultiCX lets you set Acceleration and Theshold (minimum movement to activate Acceleration) for smooth mouse handling.

SWITCH OFF ALL ALIEN MOUSE ACCELERATORS BEFORE USING THESE OPTIONS!
(Input Prefs "Acceleration" etc.)

ToolTypes:

ACCELERATION=n	sets Acceleration factor, 0 means OFF
THRESHOLD=n	sets Threshold value, 0 means no Threshold

1.8 Mouse Blanker

Mouse Blanker

MultiCX blanks the mouse pointer on keypress and/or after approx. 30 seconds when no mouse movement has occured.

ToolTypes:

KEYBLANK	activates MouseBlanking on keypress
TIMEBLANK	activates MouseBlanking after timeout

1.9 Screen Cycling

Screen Cycling

MultiCX allows you to cycle screens using either `MiddleMouseButton` or `BothMouseButtons`, this is equivalent to `LCOMMAND M`. Additionally a hotkey for backward cycling may be defined.

If `MOUSESHIFT` and `SCRCYCLE` are both set to `MMB`, then `ScreenCycling` will occur on a `Double-MMB-Click`.

ToolTypes:

<code>SCRCYCLE=MMB BMB</code>	sets Screen Cycling to MMB or BMB
<code>BACKCYCLE=Qual&Key</code>	sets Qualifier and Key for BackCycle, none means OFF

1.10 Mouse Shift

Mouse Shift

MultiCX lets you use the `RightMouseButton` or `MiddleMouseButton` as a `Shift-Key` for extended selection.

And this is how it works with `RightMouseButton`:

1. Press `LeftButton` to select first icon and hold it.
2. Press `RightButton` and hold it.
3. Release `LeftButton` and keep `RightButton` pressed.
4. Now select some more icons with `LeftButton`.
5. To deselect an icon, click on it with `LeftButton` and keep it pressed, then release `RightButton` and press it again.

Sounds much more complicated than it is...

ToolTypes:

<code>MOUSESHIFT=RMB MMB</code>	sets <code>MouseShift</code> to <code>RMB</code> or <code>MMB</code>
---------------------------------	--

1.11 Window Cycling

Window Cycling

MultiCX lets you put a window to front/back by a configurable number of LeftButton clicks. Qualifiers can be defined for both functions. Additionally there are two hotkeys available for TopWindowToBack and BottomWindowToTop. But only windows with a Depth Gadget are affected by Window Cycling.

ToolTypes:

WINCYCLE=n	sets number of mouse clicks for WindowCycle, 0 means OFF
WINFRONTQUAL=Qual	sets Qualifier for WindowToFront
WINBACKQUAL=Qual	sets Qualifier for WindowToBack
FRONT2BACK=Qual&Key	sets hotkey for TopWindowToBack
BACK2FRONT=Qual&Key	sets hotkey for BottomWindowToTop

1.12 SUN-alike Window Activation

SUN-alike Window Activation

MultiCX has three different options to activate windows automatically. All of them activate the window under the mouse pointer, SunKey does it on every keypress, SunMouse does it after mouse movement, and SunRMB does it after pressing the right mouse button. So SunKey and SunMouse together seem to be rather useless. Windows with active Gadgets (like FileRequesters etc) will never be deactivated by one of these functions.

ToolTypes:

SUNKEY	activates SunKey
SUNMOUSE	activates SunMouse
SUNRMB	activates SunRMB

1.13 HoldX and HoldY

HoldX and HoldY

MultiCX allows you to lock a specific mouse dimension while holding a defined Qualifier. If both Qualifiers are set to the same it locks all mouse movements. So you are responsible for useful settings...

ToolTypes:

HOLDXQUAL=Qual sets Qualifier for HoldX, none means OFF
HOLDYQUAL=Qual sets Qualifier for HoldY, none means OFF

1.14 Enter ASCII

Enter ASCII

MultiCX allows you to enter ASCII codes directly by pressing the RALT key and the numbers in the numeric block, for example: <ALT> 65 = A. Maximum 3 digits, value must not be greater than 255.

ToolTypes:

ENTERASCII activates EnterASCII

1.15 Map Umlauts

Map Umlauts

This option might be of use for german users or other people writing german texts. It will convert the german umlauts into the normal character pendants.

ToolTypes:

MAPUMLAUTS activates MapUmlauts

1.16 CapShift

CapShift

This option changes the way CapsLock works. Just try activating CapsLock, and then press some shifted letters to get an idea of it. Hotkeys etc. are no longer affected by CapsLock. CapShift is ignored if NoCapsLock is active.

ToolTypes:

CAPSHIFT activates CapShift

1.17 NoCapsLock

NoCapsLock

... simply switches off CAPSLOCK completely.

ToolTypes:

NOCAPSLOCK activates NoCapsLock

1.18 CloseZoom

Window Close & Zoom

MultiCX allows you to close/zoom windows using pre-defined Qualifiers and Keys.

ToolTypes:

WINCLOSE=Qual&Key sets Qualifier and Key for CloseWindow,
 none means OFF
WINZOOM=Qual&Key sets Qualifier and Key for ZoomWindow,
 none means OFF

1.19 Window Remember

Window Remember

MultiCX remembers the last active window on every screen, and the next time you go to that screen, this window will be re-activated automatically.

ToolTypes:

WINREMEMBER activates WindowRemember

1.20 CenterScreen

CenterScreen

The active screen is centered when this hotkey is pressed. Optionally the frontmost Screen is centered automatically as soon as it becomes active.

ToolTypes:

CENTERSCR=Qual&Key sets Qualifier and Key for CenterScreen,
 none means OFF
AUTOCENTER activates AutoCenterScreen

1.21 HotFlush

HotFlush

MultiCX frees all unneeded memory when pressing this hotkey, just like "Avail flush" does.

ToolTypes:

HOTFLUSH=Qual&Key sets Qualifier and Key for HotFlush,
 none means OFF

1.22 PopCLI

PopCLI

MultiCX spawns a UserShell using the given command string when pressing the PopCLI key.

ToolTypes:

POPCLI=Qual&Key sets Qualifier & Key for PopCLI, none means OFF
POPCLICMD=Command sets command string for PopCLI, none means OFF
POPCLISTACK=n sets stacksize for PopCLI (Default: 4096)

1.23 FrontPubScreen

 FrontPubScreen

If this option is activated the FrontScreen automatically will become the actual DefaultPubScreen, as long as it is public and not private.

ToolTypes:

FRONTPUBSCR activates FrontPubScreen

1.24 System Flags

 System Flags

MultiCX lets you set/change some of the internal AmigaOS flags. These may be set, unset or left unchanged, where a parameter of 0 means deactivate, 1 or any value >0 means activate, and putting the ToolType in brackets (the same as removing it) means no change. Old values are NOT restored when quitting/disabling MultiCX, but Notification may be used at any time.

ToolTypes:

BLACKBORDER=n changes BlackBorder flag, ECS Denise needed
 NOCLICK=n changes NoClick flag for all drives,
 may not work with very old drives
 WILDSTAR=n changes flag for extended WildCarding,
 if ON "*" may be used instead of "#?"
 SNDFILTER=n switch Sound filter ON/OFF

1.25 Trackdisk Parameters

 Trackdisk Parameters

This option is used to set some parameters of trackdisk.device. If used with care these settings could make your drives faster and less noisy. Old values are NOT restored when quitting/disabling MultiCX, but default values are set when disabling these Tooltypes.

ONLY USE THEM IF YOU KNOW EXACTLY WHAT YOU ARE DOING!

ToolTypes:

TDRETRY=n	change TDU_RETRYCNT (Default is 10)
TDSTEP=n	change TDU_STEPDELAY (Default is 3000)
TDSETTLE=n	change TDU_SETTLEDELAY (Default is 15000)
TDCALIBRATE=n	change TDU_CALIBRATEDELAY (Default is 4000)

1.26 Public Screen Flags

Public Screen Flags

MultiCX also lets you set/change the global Public Screen flags. These may be locked, so that other tasks cannot change them. The values are the same as for the

System Flags

.

ToolTypes:

POPPUBSCR=n	changes PopPubScreen flag
SHANGHAI=n	changes Shanghai flag
LOCKPUBFLAGS	locks Public Screen flags set by MultiCX

1.27 Internal and External Preferences

Internal and External Preferences

Normally MultiCX opens a WBInfo Requester on CX_POPUP (OS 3.x only!), but this may be replaced by an external program like MultiCXPrefs by Michael Barsoom. BTW: Thanks for the great work, Michael!

ToolTypes:

CX_POPUP=Qual&Key	sets Qualifier and Key for WBInfo or ext. Prefs
EXTPREFS=Command	sets Command to execute for external Preferences

1.30 SetFunction Patches

SetFunction Patches

Using this ToolType it is possible to select whether all patches are disabled when disabling the Commodity. Patches are always disabled when MultiCX is removed.

The following MultiCX functions are affected by this ToolType:

LOCKPUBFLAGS	ASSIGNWEDGE	NEWLOOKMENUS
NEWLOOKPROPS	WBABOUT	WBTITLE
SA_PENS	SA_AUTOSCROLL	SA_FONT
LOCKPENS	FIXOPENWB	NOFORMAT
LOCKPATCH	SHAPEFREEZER	
BLACKBORDER	(OS 2.x only)	
RESETHANDLER	(SoftReset only)	

ToolTypes:

PATCH_DISABLE	if set, all Patches will be disabled together with MultiCX
---------------	--

1.31 AssignWedge

AssignWedge

This ToolType helps you handling "Please insert volume <xyz> in any drive" requesters. If the system tries to open such a requester, it will be replaced by a new one with three more gadgets:

Assign...	opens a DirectoryRequester asking for a path to assign the requested volume to
Mount	tries to mount the volume
Deny	denies the request and remembers the Process which tried to access that volume, so that it will not ask you again as long as AssignWedge is active

ToolTypes:

ASSIGNWEDGE	activates AssignWedge
-------------	-----------------------

~~~~~|
~~~~~Number of Screens-----+

Attention!
The WB only refreshes display when amount of free memory has changed!
And here's your new Workbench/About...

~~~~~+-----+
~OS~Version~----->~~ | ~Kickstart~40.70,~Workbench~40.42~~~~~ |
~~~~~ | ~~~~~ |
~Copyright~Message~>~~ | ~Copyright~@~1985-1994~Commodore~Amiga,~Inc.~~ |
~~~~~ | ~All~Rights~Reserved.~ |
~~~~~ | ~~~~~ |
~CPU/FPU~type~----->~~ | ~CPU:~68030,~FPU:~68882~~~~~ |
~Cache~Status~----->~~ | ~InstCache~ON~ (Burst),~DataCache~ON~ (Burst)~~~ |
~~~~~ | ~~~~~ |
~Memory~Status~----->~~ | ~Memory~used:~21% of 22.536.192~Bytes~~~~~ |
~~~~~ | ~Largest~free~block:~11.061.448~Bytes~~~~~ |
~~~~~+-----+
~Gadgets~----->~~ | ~~~OK~~~~~Reboot | Flush~|
~~~~~+-----+

~~~~~OK~~~~~:~just~leave~Requester~as~before
~~~~~Flush~~:~flush~all~inactive~libs,~fonts~etc.
~~~~~Reboot~:~reboots~system,~opens~confirmation~Requester~first

~~~~~+-----+
~~~~~ | ~~~~~~System~Reboot~-----~ |
~~~~~ | ~~~~~~ |
~~~~~ | ~Wait~for~disk~activity~to~finish.~ |
~~~~~+-----+
~~~~~ | ~~~OK~ | Cancel~|
~~~~~+-----+

Please read more about Patches under "
Notes and Hints
"!

ToolTypes:

WBABOUT~~~~~ enables new WB About
WBTITLE~~~~~ enables new WB Titlebar

1.35 TagScreens

TagScreens

Do you remember this old goodie? ;-)

These functions only affect screens which do not set these parameters

themselves, so this should work perfectly together with other TagItem promoters like MagicCX's TagScreens. Additionally all screens with supplied TagLists are not changed unless HARDPATCH is set.

 ToolTypes:

| | |
|---------------|---|
| HARDPATCH | if set, NewScreens with TagLists are also affected by the patch |
| SA_PENS | set DRIPens for ugly looking old programs |
| SA_AUTOSCROLL | enable AutoScrolling |
| SA_FONT | use Topaz-8 as default font for old programs |

1.36 LockPens

 LockPens OS 3.x only!

This option is very useful if you use Workbench with many colors. It locks pens 4-7 and sets the colors according to the actual Palette Preferences.

 ToolTypes:

| | |
|----------|-----------------|
| LOCKPENS | enable LockPens |
|----------|-----------------|

1.37 FixOpenWB

 FixOpenWB OS 3.x only!

AmigaOS 3.x has a severe bug when re-opening the Workbench screen, depending on the task priority of the current task the system will hang forever. This option is a workaround for the bug.

 ToolTypes:

| | |
|-----------|------------------|
| FIXOPENWB | enable FixOpenWB |
|-----------|------------------|

1.38 NoFormat

NoFormat

Using this option you may Format-protect a specific device, but remember that writing of tracks is still possible (Format ... QUICK).

DeviceName is CASE-DEPENDENT!

ToolTypes:

NOFORMAT=DeviceName enable NoFormat for DeviceName

1.39 LockPatch

LockPatch

This fixes a small OS-bug in dos.library's Lock function. Without this patch some programs will not work properly with muFS etc.

ToolTypes:

LOCKPATCH enable LockPatch

1.40 ShapeShifter Support

ShapeShifter Support

If SHAPEFREEZER is enabled, MultiCX will freeze ShapeShifter when it's screen is not in front. This will prevent GfxBoard displays from being trashed by the Mac display.

SHAPECLICKER allows you to use RMB to create a DoubleClick on the Mac.

Just in case you don't know what the hell I'm talking about...
ShapeShifter is the incredible Macintosh emulator by Christian Bauer.

IMPORTANT NOTE:

The name of ShapeShifter's main task must be "ShapeShifter", so do not rename the program!

ToolTypes:

```
SHAPEFREEZER          enable ShapeFreezer
SHAPECLICKER         enable ShapeClicker
```

1.41 Opaque Windows

 Opaque Window Movement and Sizing OS 3.x only!

These options enable you to move/size windows in full, and not only an ugly frame. But this should not be used on slow machines! If any Qualifier is pressed while moving/sizing a window MultiCX will use the old OS routines.

SWITCH OFF ALL ALIEN MOUSE ACCELERATORS BEFORE USING THESE OPTIONS!
 (Input Prefs "Acceleration" etc.)

 ToolTypes:

```
OPAQMOVE              enables Opaque Movement
OPAQSIZE              enables Opaque Sizing
NOSMART               use OS routines for SmartRefresh windows
NOSIMPLE              use OS routines for SimpleRefresh windows
OPAQLIMIT=Pixels     limits WindowSize for Opaque functions
                     0 means "No Limit"
```

1.42 Notes and Hints

 Notes and Hints

- MultiCX must be started from WB, CLI/Shell is not supported.
- MultiCX is 100% compatible to Commodore's specifications, so don't complain if some bad-behaving software does not work with it.
 For example: Some bad filesystems do not support Notification, some bad gfx-board drivers do not support MouseBlanking etc...
- Not all patch programs are as clean as MultiCX (in reality most are really bad hacks!), so you should pay attention to the following simple rules:
 1. All lowlevel patches (like CopyMemQuicker, RTPatch etc.) should be started between SetPatch and LoadWB! Do not use the User-Startup for such programs. This method is preferable for most patches.

2. Application patches (like ARQ) should have a high start priority if started in WBStartup. Simply set a ToolType "STARTPRI=nnn" and use a relative high value like 100 to make sure that these tools are started before MultiCX. Valid values range is -127 to 127.
 3. Do not try to remove bad patches, not even if they have a option to do that! It's simply not possible to do that in a clean way without MultiCX's advanced interfacing routines. You have been warned...
- Some bad programs pass invalid parameters to OS functions, for example some set WFLG_NW_EXTENDED in the NewWindow structure and do not supply a valid TagList in enw_Extension. MultiCX tries to check parameters in order to avoid problems when possible, but this will not always work. Remember: Things like this are not MultiCX's fault!
 - MultiCX's Screen Blanker uses BestModeID to find the best display mode. Because this is impossible under AmigaOS 2.x, MultiCX uses a special masking algorithm to find the display mode. But this relies on the fact, that a DisplayID with all ModeKeys set to 0 exists. Anyway you should use AmigaOS 3.x for best results.
 - BlackBorder is not fully supported by AmigaOS 2.x, but should work.
 - Some very old drives do not like NoClick, so switch it off at once if your drive makes funny noises...
 - If you like to toggle some of MultiCX's features using hotkeys, you should try ToolManager 2.1 (by Stefan Becker) together with DoIcon (by Lars Eilebrecht).
 - MultiCX may be enabled, disabled or removed from within scripts by using


```
HandleCX
```

 (included in this archive). Should always be done when starting nasty games...
 - External Preferences programs must not use more than 4096 byte stack, and should use ReadArgs to get needed arguments. The program is responsible for things like protecting itself against being started twice, popping it's screen to front etc.

In order to get the path and name of MultiCX's active icon file a Public Semaphore has been implemented. Programs can use FindSemaphore to get the base of the following structure:

```
struct MCXSemaphore
{
    struct SignalSemaphore mcx_Sem;
    BPTR    mcx_Lock;                /* Copy of my wa_Lock */
    CHAR    *mcx_Name;              /* Ptr to Icon Filename */
    WORD    mcx_Version;            /* MultiCX Version */
    WORD    mcx_Revision;          /* MultiCX Revision */
}
```

The name of the Semaphore is "MultiCX Path".
Don't forget to protect all accesses by a Forbid/Permit pair, because

the Semaphore will be removed if MultiCX ends.

- Do NOT use ReqChange, because every version has serious bugs and trashes several OS functions! Simply use RTPatch instead.
- Do NOT use bad hacks like SysIHack, ToolsDaemon, ExecPatch etc.
- Everybody should use SwazInfo by David Swazbrook... ;-)

1.43 Author

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MultiCX was developed using DevPac v3.14 ©1994 by HiSoft

1.44 History

History

1.00 - 1.76 Ancient History

2.0B (25.6.95) INTERNAL BETA!

- renamed public semaphore to "MultiCX Path"
- overall code improvements
- implemented SetFunction interfacing code
- implemented

EDITHOOK

2.0B (27.6.95) INTERNAL BETA!

- completed SetFunction interfacing code
- implemented PATCH_DISABLE ToolType
- improved AUTOCENTER
-
- BLACKBORDER
 - uses a Patch now with OS 2.x
-
- EDITHOOK
 - 's Clipboard Paste now inserts new text instead of replacing the old text
- implemented TagScreens
 - function with some ToolTypes:
 - HARDPATCH, SA_PENS, SA_AUTOSCROLL and SA_FONT

2.0β (28.6.95) INTERNAL BETA!

- fixed some bugs
-
- LOCKPUBFLAGS
 - is a Patch now and only locks the Flags which are changed by MultiCX
- implemented FORCENEWLOOK
- 2.0β (30.6.95) INTERNAL BETA!
- improved FORCENEWLOOK
 - fixed some bugs (only Mario Cattaneo found them ← ...)

2.0β (2.7.95) INTERNAL BETA!

- fixed some more small bugs
- re-improved FORCENEWLOOK
 - because of side effects
- improved Intuition access protocoll handling
- implemented ASSIGNWEDGE
- 2.0β (3.7.95) INTERNAL BETA!
- fixed bug in ASSIGNWEDGE
 - implemented warning message to show up if some resident data structures are incompatible

2.0β (4.7.95) INTERNAL BETA!

- improved ASSIGNWEDGE
 - improved
- FORCENEWLOOK
- 2.0β (5.7.95) INTERNAL BETA!

- implemented
WBABOUT
and
WBTITLE
as a replacement for
WBExtender

2.0β (6.7.95) INTERNAL BETA!

- WBABOUT
now works correctly with 68040 and 68060
- improved
WBTITLE
2.0β (7.7.95) INTERNAL BETA!

- extended "MultiCX Path" Semaphore
- improved some routines

2.0β (8.7.95) INTERNAL BETA!

- SetFunction interfacing code completely rewritten
- fixed Enforcer hit in
WBTITLE
2.0β (10.7.95) PUBLIC BETA!

- fixed bug in
ASSIGNWEDGE
2.0β (16.7.95) INTERNAL BETA!

- improved
Screen~Blanker
, it will no longer re-open
Workbench when blanking
- implemented
LOCKPENS
and
FIXOPENWB
(OS 3.x only!)

2.0β (18.7.95) INTERNAL BETA!

- fixed serious bug in SetFunction interfacing code,
which caused difficult to trace lockups

- improved
LOCKPENS
and
FIXOPENWB
2.0β (27.7.95) INTERNAL BETA!

- improved
EDITHOOK
2.0β (30.7.95) PUBLIC BETA!

- built in some more sanity checks for OpenWindow and
OpenScreen patches

- improved
Moire~ScreenBlanker
2.0β (7.8.95) INTERNAL BETA!
 - fixed bug in
EDITHOOK
, Clipboard Paste now always
works correctly (ReqTools FileRequester etc.)
 - 2.0β (11.8.95) INTERNAL BETA!

- improved some routines
 - 2.0β (12.8.95) INTERNAL BETA!

- fixed small bugs in
SA_PENS
and
SA_FONT
- extended SetFunction interfacing code
 - 2.0β (14.8.95) INTERNAL BETA!

- fixed a little bug in
Notification
routine
 - 2.0β (15.8.95) INTERNAL BETA!

- renamed FORCENEWLOOK to
NEWLOOKMENUS
- implemented
NEWLOOKPROPS
- improved SetFunction interfacing code
- made some routines more "hack-friendly"... ;-)
 - 2.0β (19.8.95) INTERNAL BETA!

- implemented
SHAPEFREEZER
(ShapeShifter Support)
 - 2.0β (20.8.95) INTERNAL BETA!

- implemented
NOFORMAT
and
LOCKPATCH
- improved documentation (
PATCH_DISABLE
)
 - 2.0β (21.8.95) INTERNAL BETA!

- improved
SHAPEFREEZER
- optimized some routines
-

- fixed nasty bug in SetFunction interfacing code (occured with OS 2.x only)

2.0B (22.8.95) INTERNAL BETA!

- improved
Moire ScreenBlanker
(no more funny pixels with CyberGraphX)
- MultiCX needs at least 4096 Bytes Stack now!
- improved OpenWindow and OpenScreen patches

2.0B (23.8.95) INTERNAL BETA!

- implemented
RESETHANDLER
2.0B (26.8.95) INTERNAL BETA!

- SHAPEFREEZER
completely rewritten
- implemented
SHAPECLICKER
(ShapeShifter Support)
- improved
EDITHOOK
, Clipboard Paste works with MUI now
- improved
Moire ScreenBlanker
- fixed some small bugs

2.0B (27.8.95) INTERNAL BETA!

- improved
ASSIGNWEDGE
, does more sanity checks now
- fixed bug in
RESETHANDLER
2.0B (28.8.95) INTERNAL BETA!

- improved
SHAPEFREEZER
, should work always now, even
while the Mac is booting up!

2.0B (29.8.95) INTERNAL BETA!

- some minor code improvements

2.0B (30.8.95) INTERNAL BETA!

- reduced stack usage of some routines to avoid problems with other patches

2.0B (31.8.95) INTERNAL BETA!

- added another sanity check
 - some minor code improvements
-

2.0B (6.9.95) INTERNAL BETA!

- fixed small bug in EDITHOOK
- implemented OPAQMOVE
- OPAQSIZE
- OPAQSMART
- OPAQLIMIT

2.0B (7.9.95) INTERNAL BETA!

- removed OPAQSMART, added NOSMART and NOSIMPLE
- improved OPAQMOVE and OPAQSIZE

2.0 (9.9.95) FINAL RELEASE VERSION!

- improved SHAPEFREEZER
- fixed bug in EDITHOOK
- finished AmigaGuide documentation

1.45 To do

 Planned features for later versions:

- WBGauge
- Digital Clock
- some more small patches...

1.46 Legal

 Legal Stuff

MultiCX 2.x is SHAREWARE !!!

If you use it permanently please send me a donation of US\$ 15 (DM 20).

Please add \$5 when you send me a cheque to cover clearing charges.

All users who have sent a gift for MultiCX 1.x may use this and all further coming updates without paying anything.

Bank Account for money transfer (German users only):

R.Berndt Konto 393439-438 BLZ 36010043 Postbank Essen

THANK YOU FOR YOUR SUPPORT !

Copyright

MultiCX is written and copyright © 1994-1995 by Martin Berndt. No parts of this program may be altered by any means (this includes editing, reprogramming, crunching, resourceing etc.), except archiving.

Disclaimer

The author is in no way liable for any changes made to any part of the program, or consequences thereof as he is in no way liable for damages or loss of data directly or indirectly caused by this software.

Distribution

Neither fees may be charged nor profits may be made by distributing this piece of software. Only a nominal fee for costs of magnetic media may be accepted, the amount of US \$5 shouldn't be exceeded for a disk containing MultiCX. CD Manufactures are specifically granted the right to include this program on CD collections, as long as they are for the Public Domain. But the user still has to pay the Shareware fee!

1.47 Credits

Credits

The following persons deserve special thanks from me as they made a significant contribution to the development of MultiCX:

- Olaf "Olsen" Barthel for his good advice in many cases
 - Michael Barsoom for
 MultiCXPrefs
 - Christian Bauer for
 ShapeShifter
 , the best Mac-Emulator
-

- Frank Mariak for making CyberGraphX
- all my Beta-Testers for reports and constructive criticism
- Mike Oldfield for the best music on this little planet
- the TNG crew for the greatest adventures in universe
- my son Daryl for moral support
- my coffee machine for coffee support ;-)

1.48 HandleCX

 HandleCX 1.3 (19-Mar-95)

HandleCX is a CLI-replacement for Exchange to help you handling your commodities. In many cases it is useful to have full control over all running commodities in scripts, e.g. to start a game which does not like screenblankers.

 Usage

The syntax of the HandleCX command is:

```
HandleCX CX_NAME/M,L=LIST/S,V=VERBOSE/S,P=POPUP/S,H=HIDE/S,E=ENABLE/S,
        D=DISABLE/S,R=REMOVE/S,T=TOGGLE/S
```

The parameters are:

| | | |
|---------|------|--|
| CX_NAME | | name of a commodity,
case-indeparentent,
must be quoted if it contains spaces,
multiple names and wilddarding are allowed |
| LIST | or L | lists all or selected commodities,
may be combined with other commands |
| VERBOSE | or V | like LIST, but with more infos |
| POPUP | or P | like "Show Interface" in Exchange |
| HIDE | or H | like "Hide Interface" in Exchange |
| ENABLE | or E | like "Active" in Exchange |
| DISABLE | or D | like "Inactive" in Exchange |

REMOVE or R like "Remove" in Exchange

TOGGLE or T toggles Active/Inactive status

Only ONE command is allowed at a time!

That means only the first command found will be executed.

List format:

```

$07146028: MultiCX           ACTIVE  GUI
$071460B0: Arq 1.79         ACTIVE  NOGUI
$07146138: Magic Menu       ACTIVE  GUI
$071461C0: CycleToMenu     ACTIVE  GUI
$07146248: Exchange        ACTIVE  GUI
$071462D0: DynamiCache     ACTIVE  GUI
$07146730: MFS              ACTIVE  GUI
$071467B8: CrossDOS        ACTIVE  GUI
$07146840: AlertPatch      ACTIVE  GUI
$071468C8: CrossMac        ACTIVE  GUI
$07146950: PowerSnap       ACTIVE  GUI
$071469D8: ClipHistory 0   ACTIVE  GUI
$07146A60: Clipbook        ACTIVE  GUI
$07146AE8: SwazInfo        ACTIVE  GUI
$07146B70: ToolManager     ACTIVE  NOGUI
$07146BF8: PrinterManager  ACTIVE  GUI
$07146C80: MagicCX        ACTIVE  GUI
$07146D08: DragIt         ACTIVE  GUI
^             ^             ^             ^
|             |             |             |
|             CX_Name       |             |
|             |             |             |
|_____ Address of Structure |             |
|             |             |             |
|             Commodity is ACTIVE _____|             |
|             |             |             |
|             Commodity has a GUI or not _____|             |

```

Verbose list format:

```

$07157418: MultiCX           ACTIVE  GUI
: MultiCX 2.0 - ©1995 by Martin Berndt (Adds many nice features)

```

History

- 1.0 - initial release
 - 1.1 - implemented wildcarding
Some AmigaShell replacements need quotes around wildcards!
 - 1.2 - changed command template,
verbose list implemented
-

1.3 - implemented TOGGLE option