MultiCX

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	TITLE : MultiCX		
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

MultiCX

1.1 MultiCX-Guide Main

```
-----------------------------------------------------------------------
                        MultiCX 2.53 (11.6.96)

               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
                       List of Patches
                          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 wether you are installing MultiCX new or wether 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
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```

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                       NoDisplayBeep
                     Drive Protection
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                      Opaque Windows
                       Alert Timeout                 OS 3.x only!
                           WBGauge


                   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...

See also: Moire Blanker

```
-----------------------------------------------------------------------------
```

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)
```

```
IGNOREKEY               ignore unblanking keypress
IGNOREMOUSE             do not unblank on mouse movement
IGNOREDISK              do not unblank on disk insertation
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
AVOIDWINDOW=Pattern     do not blank screen if title of active window
                        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...

See also: Screen Blanker

```
---------------------------------------------------------------------------


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:

SCRCYCLE=MMB|BMB          sets Screen Cycling to MMB or BMB
BACKCYCLE=Qual&Key        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:

MOUSESHIFT=RMB|MMB   sets MouseShift to RMB or MMB

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.
Additionally specific windows may be excluded from deactivation using
the AVOIDSUN ToolType.

ToolTypes:

```
SUNKEY                     activates SunKey
SUNMOUSE                   activates SunMouse
SUNRMB                     activates SunRMB
AVOIDSUN=Pattern           do not deactivate active window if title matches
                           this pattern
```

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 an ALT 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=LALT|RALT    activates EnterASCII using LALT or RALT
```

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 MUI-MCXPrefs by
Jürgen Kempkes.

Thanks for the great work, Jürgen!

ToolTypes:

CX_POPUP=Qual&Key   sets Qualifier and Key for WBInfo or ext. Prefs
IGNORE_CLASS   lets all other Qual&Key definitions ignore their
                        ix_Class, normally only RAWKEY is accepted
EXTPREFS=Command   sets Command to execute for external Preferences

1.28 Advanced EditHook

Advanced EditHook

MultiCX contains a comfortable extension for all system StringGadgets.
It is completely inactive as long as the CONTROL qualifier is pressed.

The following keys can be used:

        RCOMMAND Q   undo   (*)
        RCOMMAND X   clear   (*)
        RCOMMAND C   copy to Clipboard
        RCOMMAND V   paste from Clipboard (Insert)
        RCOMMAND SHIFT V   paste from Clipboard (Clear)
        RCOMMAND G   convert contents to upper case
        RCOMMAND H   convert contents to lower case
        RCOMMAND key   leave Gadget and execute Menu option   (^{1})
        LCOMMAND (SHIFT) key   execute original RCommand shortcut

```
      SHIFT CURSOR LEFT        jump to start of line                    (*)
      SHIFT CURSOR RIGHT       jump to end of line                      (*)
      SHIFT BACKSPACE          delete to start of line                  (*)
      SHIFT DEL                delete to end of line                    (*)
      ALT CURSOR UP            previous Gadget (SHIFT TAB)
      ALT CURSOR DOWN          next Gadget (TAB)
      ALT CURSOR LEFT          jump word left
      ALT CURSOR RIGHT         jump word right
      ALT BACKSPACE            delete word left
      ALT DEL                  delete word right
      ESC                      leave Gadget                          ($^2$)

      (*) function provided by OS
```

```
ToolTypes:

EDITHOOK                activates advanced EditHook
CLIPUNIT=Unit           select Clipboard unit for Copy/Paste (0-255),
                        Default: 0
NOCMDKEY                switch off "execute Menu" option ($^1$)
NOESCKEY                switch off "leave Gadget" option ($^2$)
```

1.29 Advanced ResetHandler

```
Advanced ResetHandler
```

If this option is enabled NOTHING will survive a Reset (Software Reset
or Keyboard Reset via LCOMMAND-RCOMMAND-CONTROL) in your computer's
memory.   This will kill all kinds of virusses and things like the RAD:
device, which can be very useful if you just use it to decrunch disks.

Please note that the Keyboard Reset is not affected by PATCH_DISABLE and
that KBD_RESETHANDLERS will not work on very old machines (A1000 and
early A500).

```
ToolTypes:

RESETHANDLER            activates advanced ResetHandler
```

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           NOCLOSEWB
     NODISPLAYBEEP       NOFORMAT            NOBOOTWRITE
     LOCKPATCH           SHAPEFREEZER        ALERTTIME
     WBGAUGE             EDITHOOK

     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
AUTOMOUNT=Pattern   defines a pattern for volumes which will be
                       mounted automatically when accessed for the
                       first time

1.32 NewLookMenus

```
------------------------------------------------------------------------
NewLookMenus                                                OS 3.x only!
------------------------------------------------------------------------


This patch forces NewLook Menus on all PublicScreens.


------------------------------------------------------------------------


ToolTypes:

NEWLOOKMENUS            activates NewLookMenus
```

1.33 NewLookProps

```
------------------------------------------------------------------------
NewLookProps
------------------------------------------------------------------------


This patch gives all PropGadgets (Sliders etc.) the OS 2.0+ look.
(This will work with GadTools Gadgets only!)


------------------------------------------------------------------------


ToolTypes:

NEWLOOKPROPS           activates NewLookProps
```

1.34 WBExtender

```
------------------------------------------------------------------------
WBExtender
------------------------------------------------------------------------


These  options  replace your WB Titlebar and the "About..." Requester by
more useful information about your system.

This is how the Titlebar will look:

AmigaOS~x.x~xxx~ xxxxxxx~(xx%)~Chip~xxxxxxx~(xx%)~Fast~~T:xx~L:xx~S:xx *
~~~~~~~~|~~~| ~~ |~~~~~~~~~~~~~~~~~|~~~~~~~~~~~~~~~~~~~ ~|~~~~|~~~~|  |
~~~~~~~~|~~~|~~ ~+~free~ChipMem~~~~~+~free~FastMem~~~~~ ~~|~~~~|~~~~|  |
~~~~~~~~|~~~|~~~~~~~~~~~~~~~~~~~~~~~~~~~~ ~~~~~~~~~~~~~~~ ~|~~~~|~~~~|  |
~~~~~~~~|~~~+----~ChipSet~used~(OCS,~ECS, AGA or CGX)~  ~~|~~~~|~~~~|  |
~~~~~~~~|~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ ~~~~~~|~~~~|~~~~|  |
~~~~~~~~+--------~OS~Version~~~~~~~~~~~~~~~~~~~~~~~ ~ ~~~~|~~~~|~~~~|  |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ ~|~~~~|~~~~|  |
~~~~~~~~~~~~~~~~~~~~Number~of~Tasks~----------------------+~~~~|~~~~|  |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~|~~~~|  |
~~~~~~~~~~~~~~~~~~~~Number~of~Libraries~----------------------+~~~~|  |
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~|  |
```

```
~~~~~~~~~~~~~~~~~~~Number~of~Screens~------------------------------+  |
                                                                      |
                 Freezed ShapeShifter ------------------------------+
```

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 Fast~~~~|
~~~~~~~~~~~~~~~~~~~~~~~+------------------------------------------+
~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
CLOCK                  adds a digital clock to the TitleBar, which will
                       be updated regulary
12HRS                  12hrs clock display
DATE                   adds a date display to the TitleBar
COMPACT                enables a more compact TitleBar (for people with
                       very big fonts or a very narrow WB screen)
```

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 NoCloseWB

```
--------------------------------------------------------------------------
NoCloseWB
--------------------------------------------------------------------------
```

If this option is set, only the IPrefs task is allowed to close your
Workbench screen. The tasks name MUST be "« IPrefs »", which should be
the case since Workbench 2.1. Otherwise the Workbench could not be
closed by any task.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
NOCLOSEWB                enable NoCloseWB
```

1.39 NoDisplayBeep

```
--------------------------------------------------------------------------
NoDisplayBeep
--------------------------------------------------------------------------
```

This option simply disables Intuition's DisplayBeep() function, thus no
application will flash the display anymore.

```
--------------------------------------------------------------------------
```

ToolTypes:

```
NODISPLAYBEEP            enable NoDisplayBeep
```

1.40 Drive Protection

```
--------------------------------------------------------------------------
Drive Protection
--------------------------------------------------------------------------
```

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

NOBOOTWRITE inhibits writing the first 2 blocks of a specific device, so
virusses or any other programs cannot write a BootBlock any longer,
which would otherwise destroy the RDB (Rigid Disk Block) of a harddisk.

If IOALERT is enabled any violation of the above options will cause an
Alert giving you the chance to ignore (LBUTTON) or cancel (RBUTTON) the
operation. If this option is disabled all offending operations are
cancelled.

```
    DeviceName is CASE-DEPENDENT and the driver must already be loaded
                       when starting MultiCX!
```

```
--------------------------------------------------------------------------

ToolTypes:

NOFORMAT=DeviceName     enable NoFormat for DeviceName
NOBOOTWRITE=DeviceName  enable NoBootWrite for DeviceName
IOALERT                 enable IOAlert
```

1.41 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
```

1.42 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.

SHAPESTICK will emulate a Joystick on the Mac side by translating your
Joystick movements to keypresses. Default is SPACE for Fire and CURSOR
keys for the four directions. Diagonal movements are represented by the
corresponding two keypresses. As an example RETURN for Fire and NUMPAD
4,5,6,8 would be correct for F/A-18 and A10-Attack. All Qualifiers
except NUMPAD are ignored. Please note that this option will only
affect ShapeShifter, so it is compatible to all other programs running
on the Amiga side.

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

IMPORTANT NOTES:

- The name of ShapeShifter's main task must be "ShapeShifter", so do not
  rename the program! Newer versions of ShapeShifter (since 3.2) take

care of this automatically.

– Do NOT use SHAPESTICK if you have anything other connected to your
  Joystick port (Gameport 1) than a digital Joystick!

– SHAPESTICK currently only supports ShapeShifter running on it's own
  screen, it is simply ignored if you run ShapeShifter in a window.

ToolTypes:

```
SHAPEFREEZER            enable ShapeFreezer
SHAPECLICKER            enable ShapeClicker
SHAPESTICK              enable ShapeStick
S_FIRE=Key              set Key representing the Joystick's fire button
S_RIGHT=Key             set Keys representing Joystick directions
S_LEFT=Key
S_UP=Key
S_DOWN=Key
```

1.43 Opaque Windows

Opaque Window Movement and Sizing

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 OPAQQUAL
is not set and any Qualifier is pressed while moving/sizing a window
MultiCX will use the old OS routines.

ToolTypes:

```
OPAQMOVE                enables Opaque Movement
OPAQSIZE                enables Opaque Sizing
NOSMART                 use OS routines for SmartRefresh windows
NOSIMPLE                use OS routines for SimpleRefresh windows
WBONLY                  use Opaque functions on WB screen only
OPAQLIMIT=Pixels        limits WindowSize for Opaque functions
                        0 means "No Limit"
OPAQQUAL=Qual           set Qualifier for Opaque functions
```

1.44 Alert Timeout

Alert Timeout   OS 3.x only!

This option allows you to set a timeout (in 1/50 seconds) for all system

alerts.   If the specified period of time has expired the alert will be
cancelled, just like you would have pressed RBUTTON.

ToolTypes:

ALERTTIME=ticks   enable and set Alert Timeout in 1/50 seconds,
                         0 means "No Timeout"
GURUTIME=ticks   set Timeout for Guru messages (Default: 540)

1.45 WBGauge

WBGauge

Perhaps you know these gauges from good old OS 1.x times...

If activated these gauges show you how much the device is filled up,
just like the percent figure in the windows titlebar.

There are 4 different looks available:

                Type 1:   OS 2.x Proportional Gadget
                Type 2:   OS 3.x Proportional Gadget
                Type 3:   Plain Raised
                Type 4:   3D Raised

Just try them all to find out what you like most.

ToolTypes:

WBGAUGE=type   enable WBGauge and select gauge type (1-4),
                         0 means OFF

1.46 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 algorythm 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.

- NEVER try to remove/disable ARQ or other programs that patch the
  EasyRequestArgs function. Most often these bad programs will trash
  the vector, resulting in "Please insert volume NIL: in any drive"
  requesters.

- 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.

- Some programs (DOpus5 etc.) call Intuition functions while having the
  IntuiBase locked. So if you encounter any deadlock problems it's
  definitely not MultiCX's fault!

- Some bad KBD_RESETHANDLERs do not preserve registers and do not return
  NULL when finished. This is the case with RebootOff from the Enforcer
  package, so do not complain if it doesn't work correctly!

- Things like Enforcer are only thought for debugging purposes and
  should not be used on every startup!

- Some bad so-called viruskillers do not know the difference between a
  virus and an application, and so report that the DoIO vector has been
  corrupted and must be fixed. If possible you should CANCEL this
  operation!

- Everybody should use SwazInfo by David Swazbrook... ;-)

1.47 Author

                              Author

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              1. Support BBS: WANDERER +49-211-9215563
                                       +49-211-9215517
                       Login: MBS

        Use 'download <number>' to get the archive you want

              2. Support BBS: KSB   +49-2151-974740
                                         +49-2151-974758
                                         +49-2151-974923
                                         +49-2151-974961

                      Login: GAST

                Online-Menu: Support-Area

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

----

1.48 History

                                History

1.00 - 1.76   Ancient History

2.0ß (25.6.95) INTERNAL BETA

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

2.0ß (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

2.0ß (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

2.0ß (30.6.95) INTERNAL BETA

                - improved FORCENEWLOOK
                - fixed some bugs (only Mario Cattaneo found them...)

```
2.0ß (2.7.95)     INTERNAL BETA

                  - fixed some more small bugs
                  - re-improved FORCENEWLOOK because of side effects
                  - improved Intuition access protocoll handling
                  - implemented ASSIGNWEDGE

2.0ß (3.7.95)     INTERNAL BETA

                  - fixed bug in ASSIGNWEDGE
                  - implemented warning message to show up if some
                    resident data structures are incompatible

2.0ß (4.7.95)     INTERNAL BETA

                  - improved ASSIGNWEDGE
                  - improved FORCENEWLOOK

2.0ß (5.7.95)     INTERNAL BETA

                  - implemented WBABOUT and WBTITLE as a replacement for
                    WBExtender

2.0ß (6.7.95)     INTERNAL BETA

                  - WBABOUT now works correctly with 68040 and 68060
                  - improved WBTITLE

2.0ß (7.7.95)     INTERNAL BETA

                  - extended "MultiCX Path" Semaphore
                  - improved some routines

2.0ß (8.7.95)     INTERNAL BETA

                  - SetFunction interfacing code completely rewritten
                  - fixed Enforcer hit in WBTITLE

2.0ß (10.7.95)    PUBLIC BETA

                  - fixed bug in ASSIGNWEDGE

2.0ß (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!)

2.0ß (18.7.95)    INTERNAL BETA

                  - fixed serious bug in SetFunction interfacing code,
                    which caused difficult to trace lockups
                  - improved LOCKPENS and FIXOPENWB

2.0ß (27.7.95)    INTERNAL BETA
```

```
                       - improved EDITHOOK

2.0ß (30.7.95)  PUBLIC BETA

                       - built in some more sanity checks for OpenWindow and
                         OpenScreen patches
                       - improved Moire~Blanker

2.0ß (7.8.95)   INTERNAL BETA

                       - fixed bug in EDITHOOK, Clipboard Paste now always
                         works correctly (ReqTools FileRequester etc.)

2.0ß (11.8.95)  INTERNAL BETA

                       - improved some routines

2.0ß (12.8.95)  INTERNAL BETA

                       - fixed small bugs in SA_PENS and SA_FONT
                       - extended SetFunction interfacing code

2.0ß (14.8.95)  INTERNAL BETA

                       - fixed a little bug in Notification routine

2.0ß (15.8.95)  INTERNAL BETA

                       - renamed FORCENEWLOOK to NEWLOOKMENUS
                       - implemented NEWLOOKPROPS
                       - improved SetFunction interfacing code
                       - made some routines more "hack-friendly"...  ;-)

2.0ß (19.8.95)  INTERNAL BETA

                       - implemented SHAPEFREEZER (ShapeShifter Support)

2.0ß (20.8.95)  INTERNAL BETA

                       - implemented NOFORMAT and LOCKPATCH
                       - improved documentation (PATCH_DISABLE)

2.0ß (21.8.95)  INTERNAL BETA

                       - improved SHAPEFREEZER
                       - optimised some routines
                       - fixed nasty bug in SetFunction interfacing code
                         (occured with OS 2.x only)

2.0ß (22.8.95)  INTERNAL BETA

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

2.0ß (23.8.95)  INTERNAL BETA
```

```
                    - implemented RESETHANDLER

2.0ß (26.8.95)    INTERNAL BETA

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

2.0ß (27.8.95)    INTERNAL BETA

                    - improved ASSIGNWEDGE, does more sanity checks now
                    - fixed bug in RESETHANDLER

2.0ß (28.8.95)    INTERNAL BETA

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

2.0ß (29.8.95)    INTERNAL BETA

                    - some minor code improvements

2.0ß (30.8.95)    INTERNAL BETA

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

2.0ß (31.8.95)    INTERNAL BETA

                    - added another sanity check
                    - some minor code improvements

2.0ß (6.9.95)     INTERNAL BETA

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

2.0ß (7.9.95)     INTERNAL BETA

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

2.0 (9.9.95)      FIRST RELEASE VERSION

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

2.01 (10.9.95)    PUBLIC RELEASE

                    - fixed serious bugs in Moire Blanker and Mouse Blanker
                    - implemented AVOIDWINDOW

2.02 (12.9.95)    PUBLIC RELEASE
```

```
                    - improved Screen Blanker
                    - improved OPAQMOVE and OPAQSIZE
                    - fixed serious bugs in SHAPEFREEZER and FIXOPENWB
                    - enhanced and improved EDITHOOK


2.03 (14.9.95)  PUBLIC RELEASE

                    - fixed documentation bug (NEWLOOKMENUS)
                    - enhanced EDITHOOK
                    - OPAQMOVE and OPAQSIZE completely rewritten,
                      works with OS 2.x and OS 3.x now!


2.04 (15.9.95)  PUBLIC RELEASE

                    - OPAQMOVE no longer ignores alien BorderGadgets
                      (MUI's Iconify Gadget etc.)


2.05 (15.9.95)  PUBLIC RELEASE

                    - improved DragBar recognition in OPAQMOVE
                    - fixed small bug in OPAQSIZE


2.06 (16.9.95)  PUBLIC RELEASE

                    - improved LOCKPATCH


2.07 (18.9.95)  PUBLIC RELEASE

                    - improved LOCKPENS
                    - added List of Patches to documentation


2.08 (19.9.95)  PUBLIC RELEASE

                    - fixed serious bug in error cleanup code


2.09 (24.9.95)  PUBLIC RELEASE

                    - POPCLI and External Preferences should work with faked
                      WBStartupMsgs (with empty MP_SIGTASK field) now, but
                      the Path will not be cloned then!


2.10 (25.9.95)  PUBLIC RELEASE

                    - implemented Deadlock Protection System for some very
                      nasty programs


2.11 (26.9.95)  PUBLIC RELEASE

                    - implemented NOBOOTWRITE and IOALERT
                    - implemented NODISPLAYBEEP


2.12 (28.9.95)  PUBLIC RELEASE

                    - implemented ALERTTIME
                    - modified behaviour of IOALERT
```

```
2.13 (29.9.95)  PUBLIC RELEASE

                - enhanced and optimised NOFORMAT and NOBOOTWRITE,
                  now ETD commands are detected as well

2.14 (2.10.95)  PUBLIC RELEASE

                - hopefully solved deadlock problems with some very
                  nasty programs (DOpus5 etc.)

2.15 (4.10.95)  PUBLIC RELEASE

                - made NEWLOOKMENUS more waterproof, some bad programs
                  tried to define NULL-MenuStrips

2.16 (8.10.95)  PUBLIC RELEASE

                - fixed bug in ASSIGNWEDGE, so IDCMP_DISKINSERTED will
                  be handled correctly now
                - added some Notes and Hints

2.17 (9.10.95)  PUBLIC RELEASE

                - improved StringGadget recognition routine

2.18 (10.10.95) PUBLIC RELEASE

                - fixed bug in SHAPEFREEZER

2.19 (24.10.95) PUBLIC RELEASE

                - added some sanity checks for ASSIGNWEDGE

2.20 (25.10.95) PUBLIC RELEASE

                - improved LOCKPENS

2.21 (27.10.95) PUBLIC RELEASE

                - implemented Joystick emulation for ShapeShifter
                - improved some routines

2.22 (7.11.95)  PUBLIC RELEASE

                - fixed small bug in SHAPEFREEZER
                - some internal improvements

2.23 (10.11.95) PUBLIC RELEASE

                - implemented OPAQQUAL
                - included fixed version of RebootOff (Enforcer)

2.24 (11.11.95) PUBLIC RELEASE

                - improved ASSIGNWEDGE and implemented workaround
                  for some nasty programs like TheAnswer3
```

2.25 (17.11.95) PUBLIC RELEASE

                    - implemented WBONLY
                    - implemented SMARTWB
                    - updated Support BBS number

2.26 (1.12.95) PUBLIC RELEASE

                    - implemented WBGAUGE

2.27 (3.12.95) PUBLIC RELEASE

                    - fixed stupid bug in WBGAUGE

2.28 (4.12.95) PUBLIC RELEASE

                    - fixed and improved FRONTPUBSCR

2.29 (4.12.95) INTERNAL TEST VERSION

2.30 (5.12.95) PUBLIC RELEASE

                    - improved and enhanced EDITHOOK:
                      - is now controlled by PATCH_DISABLE
                      - implemented CLIPUNIT ToolType
                      - RCOMMAND SHIFT V clears gadget before inserting string
                      - works with applications that do their own Copy/Paste now
                      - is 100% compatible to MUI now
                    - overall code cleanup

2.31 (11.12.95) PUBLIC RELEASE

                    - improved OPAQMOVE and OPAQSIZE
                    - fixed (harmless) Enforcer hit in NEWLOOKMENUS

2.32 (15.12.95) PUBLIC RELEASE

                    - hopefully fixed some problems with v39 Workbench
                    - minimised stack usage of some routines

2.33 (16.12.95) PUBLIC RELEASE

                    - improved and extended WBABOUT and WBTITLE
                    - fixed nasty bug in SHAPEFREEZER

2.34 (16.12.95) PUBLIC RELEASE

                    - Arrggghhhh! v2.33 introduced a MEGA-BUG!

2.35 (19.12.95) PUBLIC RELEASE

                    - WBGAUGE should work with all languages now

2.36 (20.12.95) PUBLIC RELEASE

                    - optimised some routines
                    - WBGAUGE really works with all languages now,

```
                    including German...   ;-)


2.37 (26.12.95) PUBLIC RELEASE

                    - implemented CLOCK
                    - added 12HRS and COMPACT ToolTypes


2.38 (31.12.95) PUBLIC RELEASE

                    - implemented IGNORE_CLASS
                    - implemented NOCMDKEY and NOESCKEY


2.39 (1.1.96)   PUBLIC RELEASE

                    - implemented GURUTIME
                    - implemented some more Magic in WBABOUT

                    A Happy New Year to all of you!


2.40 (7.1.96)   PUBLIC RELEASE

                    - fixed a global WB deadlock problem


2.41 (8.1.96)   PUBLIC RELEASE

                    - fixed small bug in WBTITLE
                    - ENTERASCII now works with LALT or RALT


2.42 (23.1.96)  PUBLIC RELEASE

                    - implemented AUTOMOUNT
                    - improved EDITHOOK


2.43 (23.1.96)  PUBLIC RELEASE

                    - improved ASSIGNWEDGE


2.44 (26.1.96)  PUBLIC RELEASE

                    - improved ASSIGNWEDGE (AUTOMOUNT) behaviour


2.45 (12.2.96)  PUBLIC RELEASE

                    - removed SMARTWB, because it would never work properly
                    - removed a sanity check from ASSIGNWEDGE


2.46 (18.3.96)  PUBLIC RELEASE

                    - implemented NOCLOSEWB
                    - implemented IGNOREKEY
                    - improved IOALERT,
                      Multitasking is inhibited now while displaying the
                      alert to give the chance for a emergency reset
                    - WBTITLE now detects CyberGraphX
                    - easier access to Support BBS


2.47 (24.3.96)  PUBLIC RELEASE
```

```
                       – fixed ASSIGNWEDGE's Mount to work properly with
                         some 3rd party command shells (WShell etc.)


2.48 (11.4.96)  PUBLIC RELEASE

                       – implemented ASSIGNWEDGE workaround for WBStartup+
                         (bug in launcher.library)
                       – fixed small bug in NOCAPSLOCK
                       – improved SetFunction interfacing code
                       – optimised some routines
                       – included german documentation


2.49 (13.4.96)  PUBLIC RELEASE

                       – fixed a nasty bug in new SetFunction interfacing code

2.50 (29.4.96)  PUBLIC RELEASE

                       – fixed bug in SCRMODE, ToolType was simply ignored

2.51 (8.6.96)   INTERNAL TEST VERSION

2.52 (10.6.96)  PUBLIC RELEASE

                       – improved Drive Protection routines
                       – implemented IGNOREMOUSE and IGNOREDISK
                       – implemented AVOIDSUN
                       – implemented DATE display for extended TitleBar

2.53 (11.6.96)  PUBLIC RELEASE

                       – fixed small bug in DATE routine
```

1.49 To do

```
-------------------------------------------------------------------------
                   Planned features for later versions:
-------------------------------------------------------------------------

                       – some more small patches...
```

1.50 PatchList

```
-------------------------------------------------------------------------
                            List of Patches
-------------------------------------------------------------------------


Name                            Library         needed for
-------------------------------------------------------------------------
OpenScreen, OpenScreenTagList   intuition       SA_PENS
                                                SA_AUTOSCROLL
```

```
                                             SA_FONT
                                             LOCKPENS          (OS 3.x)
                                             BLACKBORDER       (OS 2.x)
                                             SHAPEFREEZER
OpenWindow, OpenWindowTagList   intuition    NEWLOOKMENUS      (OS 3.x)
                                             WBTITLE
                                             FIXOPENWB         (OS 3.x)
                                             SHAPEFREEZER
CloseWindow                     intuition    WBGAUGE
SetPubScreenModes               intuition    LOCKPUBFLAGS
SetMenuStrip                    intuition    NEWLOOKMENUS      (OS 3.x)
EasyRequestArgs                 intuition    ASSIGNWEDGE
                                             WBABOUT
SetWindowTitles                 intuition    WBTITLE
                                             WBGAUGE
LockPubScreen                   intuition    FIXOPENWB         (OS 3.x)
OpenWorkBench                   intuition    FIXOPENWB         (OS 3.x)
CloseWorkBench                  intuition    NOCLOSEWB
CreateGadgetA                   gadtools     NEWLOOKPROPS
WBenchToFront                   intuition    SHAPEFREEZER
ScreenToFront, ScreenToBack     intuition    SHAPEFREEZER
ScreenDepth                     intuition    SHAPEFREEZER      (OS 3.x)
DoIO, SendIO                    exec         NOFORMAT
                                             NOBOOTWRITE
Format                          dos          NOFORMAT
Lock                            dos          LOCKPATCH
ColdReboot                      exec         RESETHANDLER
DisplayBeep                     intuition    NODISPLAYBEEP
DisplayAlert                    intuition    ALERTTIME         (OS 3.x)
ModifyIDCMP                     intuition    WBGAUGE
```

1.51 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 © 1994-1996 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!

1.52 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

- Jürgen Kempkes   for MUI-MCXPrefs

- Christian Bauer   for ShapeShifter, the best Mac-Emulator

- Frank Mariak   for making CyberGraphX

- Kai Iske   for WBGauge artwork

- Niels Görs   for the german documentation

- all my Beta-Testers   for reports and constructive criticism

- the MCP authors   for the worst programming example ever

- 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   ;-)

1.53 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-indepentent,
                   must be quoted if it contains spaces,
                   multiple names and wildcarding 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
      $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


-------------------------------------------------------------------------
```