in

Thomas Wagner

COLLABORATORS

	TITLE : in		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY	Thomas Wagner	September 19, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

in

1.1   Contents

```
                              Manual: DeviceLock Version 1.2
             =================================

What is DeviceLock ?

Briefly: an Intuition-Interface with HotKeySupport for the
        CLI-Program LOCK.

DeviceLock allows the user to deny write access to certain drives. It
is controlable by window and hotkeys. Needs OS 2.4 or higher. It
supports some functions of 2.1 and 3.x. Details see
                 Features
                  .

 Don't blame me for the translation, do it better!.

Contents

You should at least read the chapters marked with !.


     !
                 Copyright, Address
                   !
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```

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                    Requester

                    Credits
              --->
                    Quickstart
```

1.2 Copyright and Address

```
Copyright

I try to translate the german version without errors.
Nevertheless only the german version is valid!
See  german docs

DeviceLock, © 1994 by Thomas Wagner, Pyrbaum [tom].

You may publish the paket only on disks or other media which
are free distributable or which are acessable without costs
(PD disks, mailboxes). It is hereby explicitly granted to publish
it on AMOK, FISH and AminetCD.

It is strictly forbidden to use the paket, sources or parts of the
paket or the sources for commercial purposes.

It is allowed to change the program for personal purposes, but it is
not allowed to publish the changed program or the sources without
the knowledge of the author. This should only prevent the formation
of many only slight different programs. I will further develop the
program (it's only the question how fast!)

Send bug reports and improvements to the author (address below).
Catalogs in other languages are welcome, too. If you want me to
answer, please include SASE or use E-Mail.

The basic paket includes:
- DeviceLock
- deutsch/DeviceLock.guide
- english/DeviceLock.guide
- DeviceLock.prefs
- Catalogs/deutsch/DeviceLock.catalog
- DeviceLock.cd

This basic paket must be included completely to all publications.

All other parts (Oberon source, ...) are optional.

copyright notices, and they are to be respected!

Address

      Thomas Wagner
      Mühlenweg 7
      90602 Pyrbaum

      GERMANY
```

E-Mail

    tom@oberon.nbg.sub.org

1.3 Warranty

Warranty

I try to translate the german version without any mistakes. Nevertheless
only the german version is valid! See german docs

The author grants no warranty for any damage caused direct or indirect by
the program. There is no guarantee to the functionality or efficiency of the
program.

There's no warranty of any kind

(This may sound strange, but I don't ask any money for the
program, so why should I held responsible for any damage?)

There might be programs that are very picky about not getting write access.
Please test this with your often used programs. This should also be done
with the following situation: drive is locked, requester (... is locked)
appears, unlock, klick Retry on requester. It didn't have any problems up
to now, but keep on the save side.

1.4 About DeviceLock

About DeviceLock

For the moment the program has the following status:

"It is (more than) sufficient for me"

1.5 Changes

New in version 1.1:

 + new options (preference file): KeyNorm, NormAllBeep
 · format change for option Lock; Y und N OBSOLETE (but they still work)

Changes in 1.2:

 − bad bug: because of changing to new Oberon interfaces in 1.1 the stack
   went a a bit small (who has a 2 GB stack?). This also causes DeviceLock
   to fail when trying to print an error message ...
   Thanks to Thomas Kobler for reporting the bug.
 · If you started a new DeviceLock the earlier versions of DeviceLock
   only opened the window of the old program and the new terminated at

once. Now the old one terminates and the new one will procede normal.
This makes the procedure of finding your right prefs easier.
ATTENTION: When changing the passwort you should quit DeviceLock normal
(i.e. menu). If you simple restart DeviceLock, the old one will quit
immediately without unlocking the drives. That may cause some trouble!

1.6 Features

* DeviceLock is a commodity

* font adaptive

* supports locale (OS 2.1 or higher)

* adapts size of checkboxes to font-height (only 3.0 or higher)

* supports SiyOnlyZoom (only 3.0 or higher)

* uses reqtools.library (© by Nico François) if V38 or higher is available

* controlable by hotkeys

1.7 Arguments

How to start DeviceLock

You can start DeviceLock from CLI or from Workbench. If you like the
program: Copy DeviceLock into your WBstartup. The flag DONOTWAIT is already
set. The proper place for the prefs is ENVARC:.

The template is:

```
SETTINGS/K,PS=PUBSCREEN/K,NOWARNINGS/S,TOOLPRI/N/K,
CX_PRIORITY/N/K,CX_POPUP/K,CX_POPKEY/K
```

These are valid for CLI and as tooltypes for workbench start.

SETTINGS/K ^{1}
    Load these settings instead of normal Prefs-File. You can
    use and name.

PS=PUBSCREEN/K ^{2}
    Pubscreen on which to open window.

NOWARNIGS/S
     Suppress warnings.

TOOLPRI/N/K (^{3})
    Set priority for DeviceLock. DEFAULT 1.

CX_PRIORITY/N/K

```
    HotKey priority. If two programs want to get the same hotkey the
    program with the higher priority get it first (and in most cases as the
    only one).

CX_POPUP/S $^2$
    Open window on startup?

CX_POPKEY/K $^2$
    Hotkey to open/close window.

CLI $^3$
    WB opens a requester to ask for parameters for CLI-Start.
    Attention: If you specify this option all other options will be
               ignored.

DONOTWAIT $^3$
    You must specify this, if you want to place DeviceLock in your
    WBstartup drawer. In the distributed DeviceLock.info already set.


$^1$ DEFAULT: DeviceLock.prefs;
   search path:  - current drawer
                 - ENV:
                 - drawer of program

$^2$ Theses options are usually defined in DeviceLock.prefs.
   CLI/WB arguments override arguments specified in DeviceLock.prefs.

$^3$ Theses options are used and interpreted by the Workbench.
```

1.8 DeviceLock.prefs

```
DeviceLock.prefs

IMPORTANT:

You must adapt DeviceLock.prefs to your own needs. Nevertheless it should
work fine under standard 2.x Workbench (and should work with small changes on
WB 3.0: change WB_2.x into the device name of your system device).

You can add comments to the Prefs in three ways:
- SPACE in the first column;
- ";" everything after that is a comment.
- emtpy lines count as comments, too

The capitalization is not important for the comments and the version string.

Structure:

In the  first line must be a valid version string for DeviceLock.Prefs
Version 1 (Commodore norm; the date is not important for DeviceLock; you can
change the revision as you like). The start column of the version string is
not important but the line must be marked as comment (see example).

Example:
```

```
;$VER DeviceLock.prefs 1.45 (23.3.90)
```

Then you can add the options in (nearly) any order. The exceptions are
DeviceName, PrintName, Passkey, Lock, HotKey. The form a special group.

The structure is the same for all options:

NameOfOption=Specification

The NameOfOption must start in the first column, then add the = (w/o space)
then the Specification (w/o space, too). Everything between the = and the
end of line or a comment (;) is considered Specification. But the
Specification is right justified, i.e. the right spaces are removed.

If you don't specify an option the default value is used (if possible).
For BOOLEAN values you can use Yes (short Y) or No (short N).

Now the "normal" options. If you specify one of these options multiple times
only the last one is taken.

LeftEdge
  Nothing to say
  Default = 0

TopEdge
  Nothing to say
  Default = 0

LeftEdgeZoomed
  Left edge for zoomed window
  Default = 0

TopEdgeZoomed
  Top edge for zoomed window
  Default = 0

OpenWindow
  Open window at startup? Equals the CLI/WB argument CX_Popup. CX_Popup
  overwrites OpenWindow!
  Default=Yes

OpenZoomed
  Open window in zoomed state. It is possible to set OpenWindow=N and
  OpenZoomed=Y. In this case the window will opened in zoomed state when
  activated by hotkey.
  Default=No

CheckTime
  DeviceLock checks after a period whether the state of the drives has
  changed or not and refreshes the gadgets. This value sets the period in
  seconds.
  Default=3

KeyLock ^{1}
  If you press the hotkey specified by this string all drives will be
  locked.

```
    no Default, i.e. not specified, no hotkey

KeyNorm $^1$
  If you press the hotkey specified by this string all drives will be
  set to "normal" state. Normal state is defined by the option "Lock".
  no Default, i.e. not specified, no hotkey

KeyWindow $^1$
  If you press the hotkey specified by this string the window will be
  opened/closes. If you don't specifiy this you can open the window only
  with the exchange program. Equals the CLI/WB argument CX_Popkey. CX_Popkey
  overwrites KeyWindow!
  no Default, i.e. not specified, no hotkey

KeyFront $^1$
  If you press the hotkey specified by this string the window tries to open
  on the frontmost screen. This is not possible if
    1. the first screen is no pubscreen
    2. it is in private mode
  If this fail, thew window will be opened on the default pubscreen.
  no Default, i.e. not specified, no hotkey

PubScreen
  Name of the pubscreen on which to open DeviceLock on startup. Same
  restrictions as KeyFront.
  kein Default d.h. nicht angegeben = wird auf DefaultPubScreen geöffnet

LockString
  This string is used to construct the executable string to LOCK the drive.
  There must be two %s in this string. So "lock %s on %s" is expanded to
  for example "lock Work: on ThisIsMyPassKey".
  Default = "lock %s on %s (there should be no need to change this, but
                              who knows ...)

UnlockString
  This string is used to construct the executable string to UNLOCK the
  drive. There must be two %s in this string. So "lock %s of %s" is
  expanded to for example "lock Work: on ThisIsMyPassKey".
  Default = "lock %s off %s (there should be no need to change this, but
                              who knows ...)

SizeOnlyZoom
  If this flag is set to Yes, then pressing the ZOOM gadget only performs
  a size only zoom, i.e. the left and top edge of the window don't change
  (if possible). This option is effective only with OS 3.0 or higher.
  Default=Yes, if OS 3.0 or higher
          No,  else

UnlockBeep
  To prevent unlocking one drive accidently by hotkey, you can specify with
  this option to perform a DisplayBeep whenever an unlock hotkey is pressed.
  Default=Yes

LockAllBeep
  If enabled, every use of the hotkey which locks all drives performs a
  DisplayBeep. Attention: If you enable UnlockBeep and LockAllBeep you can't
  distinguish between LockAll and Unlock!
```

```
   Default=No

NormAllBeep
   If enabled, every use of the hotkey which normalizes all drives performs a
   DisplayBeep.
   Default=No


The following options are known and are processed, but they have no function.
Therefor they are not explained any further.

NotifyDL
RemPosition



Now the special options:

Devicename
   Allocates memory for the drive and set default values for the other
   special options. This option must be specified at least one time
   (it is the purpose of this program to "handle" drives). You must specify
   this option before the other spcial options, to specify which drive should
   be changed. If you specify one of the other special options before the
   will be ignored.
   You can specify this option multiple times without overwriting older
   specifications. This value replaces the first %s in the (Un)Lock string.
   NO DEFAULT POSSIBLE

No you can change the default values of the new generated drive:

PrintName
   The name printed besides the checkbox gadget.
   Default=Devicename

PassKey
   The password to lock the drive. Replaces the second %s in the (Un)Lock
   string.
   no default

Lock
   Defines the normal state of the drive. The drive is set to this state
   after the start or after the hotkey KeyNorm.
   Possible values:
     + locked
     - unlocked
     * keep actual state
   Default=+

HotKey $^1$
   If you press the hotkey specified by this string, this drive will be
   unlocked.
   no Default, i.e. not specified, no hotkey

$^1$ What descriptions you can use depends on the version of the operating
   system. You can find details in the documentation to your computer.
   Typical examples are in DeviceLock.Prefs.
```

1.9   Operate & more

Usage:

Here's a short help to use the program:

Note: All texts are described in english. If you use a catalog
      they will appear in an other language.

Menu

Gadgets

Other

1.10   Menu

The menu:

Project:
LOCK   LOCK's all drives

UNLOCK   UNLOCK's all drives

Version, Copyright ... Open gadget with version and copyright notice

Hide   Closes window
                        ATTENTION: does not quit the program

Quit ...   Quit after confirmation. If all drives are unlocked
                        there wil be no confirmation requester!
                        This requester can also questioned to not
                        touch the lock-state of the drives (be careful!)

1.11   Gadgets

Gadgets:

CLOSE: Closes the window
       ATTENTION: does not quit the program

LOCK: LOCK's all drives

With the checkboxes you can (UN)LOCK a single drive. A checkmark
indicates that this drive is locked.

If a checkbox is ghosted, this drives is not accessable.

1.12 Other

Other:

* If the window is zoomed, the width is adapted to the number
  of the drives (there are max. 20 drives shown in the title).
  The title shows the status in the order of the drives:
     + write enabled (UNLOCK)
     − write disabled (LOCK)
     · not accessable

* Pressing the left mousebutton in the window, but not on a gadget
  or the title, alldroives will be checked immediately.

* If the window is activated there is NO automatic check of the
  drives, and no refresh of the gadgets and the title
  (Exceptions: LOCKALL, Menu-select and left mousebutton).
  This is because there are problems with refreshing while
  pressing a gadget.

* Quitting DeviceLock with Exchange results in unlocking all drives
  (no confirmation requester).

* All hotkeys are functional even when the window is closed ...

* Maximum's:
  − Length of the drivename (for gadgets) : 20 characters
  − Length of the DOS-drivenamne   : 20 characters
  − Length of the password   : 30 characters
  − Length of the pubscreen name   : 60 characters
  − Length of the string with the two %s : 30 characters
  − Länge der Strings mit den zwei %s   : 30 characters each
  − Number of drives   : MAX(INTEGER)

  If you exceed these values there will be a warning and the
  string will be truncated.

  ATTENTION: You need Oberon Interfaces for OS 3.x in
             order to compile these program!
Notes

* If you start a new DeviceLock while another is still active, the
  old one immediatley quits (without unlocking the drives).

* It was intention not to localise the string "All rights reserved."
  in the screentitle.

* I added some features to ensure fully functionality for removable
  medias (disk drives), but the program was designed for not removable
  medias (harddrives).

* The program can prevent some viruses from writing to the drive (AS LONG
  AS IT IS LOCKED), but this is not the purpose of the program and
  so doesn't fulfill this task very well!

Hints

* Make lock (CLI command) resident. Speeds up (un)locking.

* Delete options set identical to defaults. Makes the file shorter
  and speeds up the "compiling" time.

* Delete comments and spaces after options. Makes the file shorter
  and speeds up the "compiling" time.

1.13 Warnings, Errors

           Warnings, Errors

               Warnings

               Errors

1.14 Warnings

               Warnings:

Common: Warnings don't quit the program. There might be a requester
        to quit the program.

You can choose between these alternatives to answer the following
warnigs:

          Proceed
             Proceed with the program.
          No further warnings
             Proceed with the program and supress further warnings.
          Quit
             Quit the program.

Cannot add '<HotKey>'
     For some reason I can't add <HotKey>. Perhaps memory allocation failed.

'<HotKey>' is not a valid hotkey
     The <HotKey> description is invalid. Maybe wrong spelled.

Original string was too long, stripped down to '<String>'
     One of the length limited strings (
                Maximum's
) is to long
     and was stripped to <String>.

Converting '<...>' into number failed. Treated as 0.
     <...> is no number or is too big. I instead use 0 for the number.

I cannot interpret BOOLEAN value '<...>'. Treated as FALSE.

Only Y and N (and of course y and n) are valid. I treated the value
as FALSE (No).

'<...>' invalid format. These line is ignored.
'='is missing or there is nothing after the '='.

Unknown option '<...>'.
The line is build correct, but <...> is an unknown option.

The following warnings (called "problems") can only be noticed. There's
no way to supress them:

Can't lock '<Device>'
LOCK ON was executed, but the drive is not locked now. One cause is
drives not supporting the LOCK-Packet (like Ram-Disk).

Can't unlock '<Device>'
LOCK ON was executed, but the drive is still locked. One cause is
that the drives was previous locked with another password.

1.15 Errors

Errors:

After an error occured, the program quits. You can only notice the
error requesters.

<PROCEDURE> failed
For some reason this (internal) PROCEDURE couldn't be executed.
Probably insufficient memory. In extreme cases, even this requester
myay not pop up!

Can't execute »lock ... on«
What should I say more!

Can't execute »lock ... off«
What should I say more!

Specified settings are no »DeviceLock.Prefs«.
You specified a preference file which is NO real DeviceLock
preference file. Perhaps you forgot the version line or it is
in a wrong position.

I can't find/read given settings
A specified preference file doesn't exist or is read protected.

No valid »DeviceLock.Prefs« in path.
There was a »DeviceLock.Prefs«, but it is no valid preference file.
Perhaps you forgot the version line or it is in a wrong position.

I can't find »DeviceLock.Prefs« in path.
In the search path (cureent dir, ENV:, PROGDIR:) there's no preference
file.

Some Problems while reading ToolTypes

```
    For some reason the module WBReadArgs couldn't interpret the tooltypes.
    Perhaps you specified a string instead of an integer number.
```

No drive specifications in settings
    There is a valid preference file, but there are no drive specifications.

1.16 Credits

Credits to (alphabetical order):

Freddy

hartmut

and of course to following persons (order by rolling dices ;-))

```
+---------+------------------+----------------------------------
| Program | catcompMO        | Oliver Knorr [olk]
| Module  | HotKey.mod       | Thomas Igracki
| Module  | PrintF.mod       | Volker Rudolf
| Module  | MoreIntuition.mod | Michael Hohmann [mick]
| Module  | ReqTools.mod     | Kay Bolay [kay]
| Library | reqtools.library | Nico François
| Module  | WBReadArgs.mod   | hartmut Goebel [hG]
+---------+------------------+----------------------------------
```


1.17 Quickstart

                Quickstart:

For Quickstarters, too:

DeviceLock, © 1994 by Thomas Wagner, Pyrbaum [tom].

for more see
                Copyright
                , exact see german docs .

The author grants no warranty for any damage caused direct or indirect by
the program. There is no guarantee to the functionality or efficiency of the
program.

There's no warranty of any kind

for more see
                Warranty
                , exact see german docs .

You can try DeviceLock:

Copy DeviceLock (with DeviceLock.info) to Wbstartup and DeviceLock.Prefs
to ENVARC: and ENV:

Perhaps you must adapt "DeviceLock.Prefs" to your system. Restart DeviceLock
after changing the Preferences to load the new one.

Important for testing: Unlock all drives when exiting the program or the
drives may stay write disabled!

Thats the reason why the passwords in the demo prefs are commented out.