Xtruder

Martin Wulffeld

COLLABORATORS

	TITLE : Xtruder		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY	Martin Wulffeld	October 23, 2022	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

Xtruder

1.1   Xtruder guide documentation

```
                                        Xtruder

                     Copyright (C) 1994-1996 Martin Wulffeld
                              All Rights Reserved

                     Version 2.5 - Release date 30.6.1996
_____


  NOTE: Per 1st of July 1996 everything I develop (Vinci, Xtruder etc.)
        might require Kickstart 3.0!

  REMEMBER: Send new vira to me if you want to keep filevirus library
            up to date!!! You may also upload them/crash them to
               Insomnia
               .

  1. Legal Issues

  1.1 -
                 Disclaimer
                  1.2 -
                 License
                  2. Installation

  2.1 -
                 Installation
                  2.2 -
                 Authenticity
                  3. Introduction

  3.1 -
                 Introduction to Xtruder
                  3.2 -
                 Main features of Xtruder
                  3.3 -
                 Getting the newest version
                  4. Usage
```

1.2 Disclaimer

Disclaimer

    THERE IS NO WARRANTY FOR THE PROGRAMS, TO THE EXTENT PERMITTED BY
APPLICABLE LAW. EXCEPT WHEN OTHERWISE STATED IN WRITING THE COPYRIGHT
HOLDERS AND/OR OTHER PARTIES PROVIDE THE PROGRAMS "AS IS" WITHOUT
WARRANTY OF ANY KIND, EITHER EXPRESSED OR IMPLIED, INCLUDING, BUT NOT
LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A
PARTICULAR PURPOSE. THE ENTIRE RISK AS TO THE QUALITY AND PERFORMANCE
OF THE PROGRAMS IS WITH YOU. SHOULD THE PROGRAMS PROVE DEFECTIVE, YOU
ASSUME THE COST OF ALL NECESSARY SERVICING, REPAIR OR CORRECTION.

    IN NO EVENT UNLESS REQUIRED BY APPLICABLE LAW OR AGREED TO IN
WRITING WILL ANY COPYRIGHT HOLDER, OR ANY OTHER PARTY WHO MAY
REDISTRIBUTE THE PROGRAMS AS PERMITTED ABOVE, BE LIABLE TO YOU FOR
DAMAGES, INCLUDING ANY GENERAL, SPECIAL, INCIDENTAL OR CONSEQUENTIAL
DAMAGES ARISING OUT OF THE USE OR INABILITY TO USE THE PROGRAMS
(INCLUDING BUT NOT LIMITED TO LOSS OF DATA OR DATA BEING RENDERED
INACCURATE OR LOSSES SUSTAINED BY YOU OR THIRD PARTIES OR A FAILURE OF
THE PROGRAMS TO OPERATE WITH ANY OTHER PROGRAMS), EVEN IF SUCH HOLDER
OR OTHER PARTY HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

1.3 License

License

This license applies to the product called 'Xtruder', a program for the
Amiga computer, published by Martin Wulffeld under the concepts of
SHAREWARE, and the accompanying documentation, example files and
anything else that comes with the original distribution. The terms
'program' and 'Xtruder' below, refer to this product. The licensee is
addressed as 'you'.

  – You may copy and distribute verbatim copies of the program's
    executable code and documentation as you receive it, in any
    medium, provided that you conspicuously and appropriately publish
    only the original, unmodified program, with all copyright notices
    and disclaimers of warranty intact and including all the
    accompanying documentation, example files and anything else that
    came with the original.

  – You may not copy and/or distribute this program without the
    accompanying documentation and other additional files that came
    with the original. You may not copy and/or distribute modified
    versions of this program.

  – You may not copy, modify, sublicense, distribute or transfer the
    program except as expressly provided under this license. Any
    attempt otherwise to copy, modify, sublicense, distribute or
    transfer the program is void, and will automatically terminate
    your rights to use the program under this license. However,
    parties who have received copies, or rights to use copies, from
    you under this license will not have their licenses terminated so
    long as such parties remain in full compliance.

  – By copying, distributing and/or using the program you indicate your
    acceptance of this license to do so, and all its terms and
    conditions.

  – Each time you redistribute the program, the recipient automatically
    receives a license from the original licensor to copy, distribute
    and/or use the program subject to these terms and conditions. You
    may not impose any further restrictions on the recipients'
    exercise of the rights granted herein.

  – You may not disassemble, decompile, re-source or otherwise reverse
    engineer the program.

  – You may use the programs for a period of up to 2 weeks for
    evaluation. After that, you have to register or quit using the
    program.

  – You agree to cease distributing the program and data involved if
    requested to do so by the author.

  – You may charge a fee to recover distribution costs. The fee for
    diskette distribution may not be more than the cost to obtain a
    public domain diskette from Fred Fish.

1.4 Installation

Notes concerning installation

1.5 Installation

Installation

Click on the installer icon to start the installation.

If you want to manually install the libraries you should copy them to
your 'LIBS:' assign and the Bootblock.brainfile to your 'L:' assign.

1.6 Authenticity

Authenticity

Various files in the Xtruder archive especially the main executable is
PGP signed with my key (below).

To check if the files are authentic first save the key below to a
separate file. Start PGP with the filename of that separate file and
add my key to your keyring. Now you are ready to check the files with
my key.

To check a signed file start PGP with the '.sig' file as the first
argument and as the second argument the file which is related to the
'.sig' file.

E.g.: 1:> PGP Xtruder.sig Xtruder

```
-----BEGIN PGP PUBLIC KEY BLOCK-----
Version: 2.6ui (Amiga)

mQCNAjAWEggAAAEEAMBONVPwDx1sHsnh5Cg8lR7duuVh4I0uT3q/aI1EpqBEUsSp
WGDx0h1JBKWrqBVKR1mT7Wtrm5x4rImTurKsjXtK4hCJHhJXPFj0bxjNiGijDVfq
eEt6Pj2n7sghc/bSMH71sUx8FZEa2//hAAPIL9a5+2CxrFT/OaKcaztHngaFAAUR
tClNYXJ0aW4gV3VsZmZlbGQgPHd1bGZmZWxkQGRhdGFzaG9wcGVyLmRrPokAlQIF
EDEdhyGinGs7R54GhQEBTmgEALsIIEbtKTcRIBx350d3KCHi5iwsu16B6caWbHB1
TjP6i/FM+uBahFLiRVQ4nO3+vJaCPkY4Nz46Lq7EREOf/dDIKCNhQ/9+mGr9colA
RSKWkeo13Y/mrqBXqiRVy/zHfr0Xi7aKcdCFKJz56bU11F1hxYnO5KIPPFI0x368
AWSwiQBVAgUQMDe59PAvc1PolDZ1AQFitAH+JZ90vXfyayYOm+oOnBYpLklwYDin
V+VXyW15cr/ztIbp5qsLtJIdot7ZLGlcreX32dLZ/ZI9+4HZmkBdYbJY8okAlQIF
EDAZt0ks4QNKTF7hCQEBvJsD/RqagFqMHv43qVTqsFh2ZaaLUdgouQaZ/gm4VCOL
aQYL1vRGdXoyq+ENGAmRecqQsh5kZv3sLAvvjG2tjnR5Sz4gbxaC6PMiISRpY7kx
Rx6o7HlYMQr+/UqJcGLadbhrb4pyosvwXmi3VWDRh3ornPYzY58zFh1Dae5bN/pv
mu0K
=wjFw
-----END PGP PUBLIC KEY BLOCK-----
```

1.7   Introduction to Xtruder

What is Xtruder

 Xtruder is a virus killer with a bunch of unique features. First of all
 you are able to keep Xtruder up-to-date with the latest recognition of
 vira much faster than most of the other virus killers which does not use
 external recognition code to find the vira. This means that you "only"
 have to keep track of the newest filevirus.library and Bootblock.library.

 The whole configuration is in itself a unique feature. Never before
 have you been able to configure so much in a virus killer.

 Xtruder checks LhA and LZX archives unlike most other virus killers and
 again the configuration for archive checking is amazing.

System requirements

 - Any Amiga with Kickstart 2.04 or higher.
 - Workbench 2.1 for locale support.

1.8   Features in Xtruder

Features

 - Locale support (WB 2.1 or higher).
 - Supports many 3.x features (New look menus, hires lace pointer, etc.).
 - Can open on any public screen.
 - Font and screen mode sensitive GUI.
 - Is a commodity.
 - Generate a report and check for differences later on.
 - Virus Info Base support.
 - Advanced history options.
 - Checks the bootblock of DMS archives.
 - Checks LhA as well as LZX archives for vira.
 - ARexx interface.
 - Very configurable.

1.9   Getting updates of Xtruder

Getting updates

 Whenever a new version of Xtruder is released it will be uploaded to:

  - Insomnia:

    Node #1 +45 98380575 24H 28k8 2:238/127.0@FidoNet
                                   39:140/136.0@AmigaNet
    Node #2 +45 96869090 24H ISDN 2:238/1006.0@FidoNet
                                   39:140/137.0@AmigaNet

    Magic filename: XTRUDER

   – FlashBack:

     Node #1 +45 43624162 24H 28k8 2:236/25.0@FidoNet
     Node #2 +45 43624147 24H 28k8 2:236/75.0@FidoNet

   – On Aminet in the 'util/virus' directory.

 Xtruder will only be released archived with LhA!

1.10 How to use Xtruder

                Usage

 Online AmigaGuide help

  If you hate reading docs you could simply experiment with Xtruder and
  press help whenever you need it. You can get online help for almost
  every window Xtruder opens but not for the file/font/etc. requesters
  since they are handled by the ReqTools library. E.g. try opening the

              GUI settings
                window and press help. The online help will appear,
  provided it has been installed correctly of course, with the GUI
  settings section in front of you. You do NOT have to close the guide
  to continue working in Xtruder as it is opened asynchronously.

 Windows

  All windows can be canceled/closed by pressing the close gadget or by
  pressing the escape key except for the main Xtruder window.

  The positions of and sizes of all sizable windows are remembered and
  will be stored if you save settings.

 Listviews

  Scrolling in listviews besides using the scroller is possible by using
  the keyboard.

  Use the up and down cursor keys to move the current selected entry. By
  holding down 'alt' you will scroll two times. Hold down 'shift' a page
  will be scrolled. Use 'control' to move to either the top or bottom.

  Pressing return on an entry acts as either a doubleclick or a single
  click depending on the listview you operate on.

  All windows can be canceled/closed with a press on the escape key
  except the main window.

 Checking

  When a check has finished a bit of information will be written.

  E.g.:

```
Directories:     2  Files:          8  Checked:        4
Crunched:        2  Decrunched:     1
Archived:        9  Extracted:      6
Vira found:      1  Check took:        00:01:46
```

Description

Directories - How many directories have Xtruder entered.

Files   - How many files have we encountered.

Checked   - How many files of the encountered were checked for virus.
             Archives are counted as 1 and not the number of files
             that were checked inside the archive.

Crunched   - How many files were crunched.

Decrunched - How many of the crunched files were successfully
             decrunched.

Archived   - How many archived files were encountered. NOT ARCHIVES!

Extracted - How many of the archived files were extracted. This
             number might be smaller than Archived if you
             for instance have set the
            archive filter
             to
             exclude .info files from being extracted and checked.

Vira found - How many vira were found.

Check took - How long did it take to check the files.

The reason why Checked usually is lower than Files is that Xtruder does
not check certain data files (ASCII texts, pictures, etc.).

1.11 The menus

```
          Menus


          Project

          Check

          Files

          Bootblock

          List

          Miscellaneous
```

```
Settings

ARexx
```

1.12 Project menu

```
The Project Menu


Hide

About

Quit
```

1.13 Check menu

```
The Check Menu


Prespecified...

Specified...

Bootblock...

Vectors...
```

1.14 Files menu

```
The Files Menu


Unpack to unpack path...

Unpack to...

Show CRC...

Repair...
```

1.15 Bootblock menu

```
The Bootblock Menu


Install...
```

```
                    Save as binary...
```

1.16 List menu

```
          The List Menu


          Known bootblock vira...

          Known file and link vira...

          Known decrunchers...

          Known patches...

          Known file types...

          Libraries...

          Devices...

          Resources...

          Ports...

          Semaphores...

          Tasks...
```

1.17 Miscellaneous menu

```
          The Miscellaneous Menu

  History »


          Flush...

          Show...

          Save...
           Report »


          Generate...

          Check...
           Time check request »


          Initialize...
```

Remove...

Virus info...

1.18 Settings menu

The Settings Menu

GUI...

Startup...

General...

Paths...

Prespecified...

Check I...

Check II...

Archives...

Bootblock...

History...

ARexx...

Load...

Save...

Save as...

1.19 ARexx menu

The ARexx Menu

Execute script...

1.20 Project menu

Hide

Hides Xtruder by closing the GUI. This is only possible if Xtruder could

create its commodity. Therefore you must have a valid
                popkey
                     .

1.21 Project menu

About

  Miscellaneous information on Xtruder.

1.22 Project menu

Quit

  Quit Xtruder.

1.23 Check menu

                  Check prespecified

  Checks the prespecified entries. See
                Prespecified settings

1.24 Check menu

Check specified

  Select the files and directories you want to check and away you go :)

1.25 Check menu

Check bootblock

  Check the bootblock of a DOS disk.

1.26 Check menu

Check vectors

  This is kind of hard to explain to the average user so if you do not
  understand a thing, do not worry :)

  Some vira patches functions in libraries. This could for instance. be

the Write() function so that every write would function abnormally.
Therefore it is a good idea to once in a while check the vectors. Now
what the h*ll is vectors you might curse. Well, vectors are e.g. the
offset of a function in a library. F.x. the offset for Write() in the
dos.library is -48.

1.27   Files menu

Unpack to unpack path

A filerequester appears where you select the files you want to unpack.
It may be archives or executables. The selected files are then decrunched
or extracted to the
unpack path
.

1.28   Files menu

Unpack to

If you want to extract or decrunch files to another directory than the
unpack path then select this. See
Unpack to unpack path...
for
more information.

1.29   Files menu

Show CRC

Show the CRC value of a file. This way future releases of e.g. Xtruder
have an extra security factor because I can say on the public networks
what the CRC value, using this function, is of the next Xtruder and you
can then check it with your current version and if the two numbers do
not match something is wrong.

1.30   Files menu

Repair

Repair a file.

1.31   Bootblock menu

```
Install bootblock
```

  Install a bootblock to a disk in DF0: - DF3:. Choose the drive where the
  disk to install is and then the bootblock.

1.32   Bootblock menu

```
Save bootblock as binary
```

  Save the bootblock of the disk in DF0: - DF3: or a DMS archive as binary
  for later use. Primary use is to backup important bootblocks from
  trackloading games and demos.

1.33   List menu

```
Known bootblock vira
```

  Will show the bootblock vira which are known to the used version of
  the Bootblock.library.

1.34   List menu

```
Known file and link vira
```

  Will show the file/link vira which are known to the used version of
  the filevirus.library.

1.35   List menu

```
Known decrunchers
```

  Will show the types of crunchers which are known to the used version of
  the unpack.library and xfdmaster.library.

1.36   List menu

```
Known file types
```

  Will show the file types which are known to the used version of the
  FileID.library.

1.37   List menu

```
Known patches
```

  Will show the patches which are known to the used version of the
  xtruder.library.

  The recognition code for patches is situated in the xtruder.library
  because it will be easier for me to release an update of that library
  and you do not have to download a +200k archive if it is only for a new
  library.

  To the right of the hyphen you can see who created the patch.

1.38   List menu

```
List of libraries
```

  Show a list of libraries in memory.

1.39   List menu

```
List of devices
```

  Show a list of devices in memory.

1.40   List menu

```
List of resources
```

  Show a list of resources in memory.

1.41   List menu

```
List of ports
```

  Show a list of public ports created.

1.42   List menu

```
List of semaphores
```

  Show a list of public semaphores created.

1.43 List menu

```
List of tasks
```

Show a list of tasks.

1.44 Miscellaneous menu

```
Flush history
```

Clears history.

1.45 Miscellaneous menu

```
Show history
```

Show history in a resizable window.

1.46 Miscellaneous menu

```
Save history
```

Save history to a file.

1.47 Miscellaneous menu

```
Generate report
```

Do you know SnapShot? Well, this feature is somewhat similar to the main function of SnapShot. It can report if there have been changes in files.

In the generate report window you may select the following which will be stored in the report file:

File size
Protection bits
Date
Comment
CRC

I recommend that you at least select File size, Date and CRC for the safest and best reporting. Then press okay. A file requester appears where you have to select the files which characteristics should be stored for the later check. Many viruses f.x. mess with the commands in the 'C:' assign so you could select that directory. Confirm the selection of the files you wish to report. Then select where the report

information should be stored. I recommend you create a report directory
where Xtruder lies and keep the reports there.

1.48 Miscellaneous menu

              Check report

 Used to check a report generated by
              Generate report
                   .
 You will be informed about mismatches in the checked files and if so
 you have the choice to either copy, delete or skip the file.

1.49 Miscellaneous menu

 Initialize a time check request

  Start a time check request that when finished will check prespecified
  entries.

1.50 Miscellaneous menu

 Remove a time check request

  Remove a time request.

1.51 Miscellaneous menu

                Virus info

  You need to have amigaguide.library installed to use this function.

  Perhaps you are familiar with the program 'Virus Info Base' generally
  known as 'VIB'? If so no further introduction should be necessary :-)

  This is simply a virus-encyclopaedia more or less. I suggest you get the
  VIB package before continueing. It contains all the virus descriptions
  and demos which are required before you can make any use of this function.

  Note that Xtruder does not rely on the VIRUS: assign. You have to specify
  in
              Paths settings
               where the descriptions lie.

  There is a search menu for the 'Select area' and descriptions window so
  you can search for specific strings in the descriptions. E.g. if you
  wanted to know about the 'very dangerous' vira you should write that

in one of the string gadgets and press Okay. It then searches for that
string in the descriptions. That may take some time. If it finds any it
will open a new descriptions window with those descriptions that matched
what you searched for.

The search strings will be saved along with settings.

Not all vira Xtruder knows are represented in the database.

1.52 Settings menu

                    GUI

Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
the changes you have made.

Screen mode

 Set the screen mode along with width, height and optional autoscroll.

Public screen name

 The name of the public screen Xtruder should open on. If it does not
 find the screen it will open its own screen.

Screen font

 This font is used for most of the GUI. It may be a proportional font.

Text font

 This font is used for writing in the main window. It can not be a
 proportional font. It is also used for most listviews. E.g. the

              Libraries...
               window since a proportional font would interfere
 with the visual representation (columns being misaligned).

Requester font

 This font is used for text requesters. Some requesters can sometimes
 be very wide so a slim font might be good here.

Palette

 Set the colors to suit your personal taste.

Scroller width

 The width of the scroller in the listviews. Some might like a 'fat'
 one :)

Control window minimized

 Tick this if you want the control window to be minimized every time

```
  it is opened.

Hide app icon

  I think it is few who actually uses an AppIcon so why have one which
  does nothing except lying around on the Workbench?

Scroll mode

  If set the text in the action box will scroll upwards. If not the
  action box will be cleared when the cursor reaches the bottom.
```

1.53 Settings menu

```
                 Startup

Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
the changes you have made.

Startup script

  This is the ARexx script which is executed every time Xtruder is started.

Execute startup script

  Not in all cases does one want to have the startup script executed at
  startup so instead of clearing the above setting you can simply tick
  this checkbox gadget.

Report file

  See
            Generate report
             for more information.

  Select the report file you have created with
            Generate report
             and
  every time you start Xtruder it will check that report automatically.

Prespecified

  Check
            prespecified
             at startup.

Vectors

  Check vectors at startup.
```

1.54 Settings menu

General

Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
the changes you have made.

Popkey

 The popkey for Xtruder. Pressing this key combination will make Xtruder
 pop out of its possible hidden state and thereby appear in front of
 your very eyes.

Priority

 This is the priority of the commodity and NOT the program as some might
 think.

Pop up at start

 Tick this if you want a full featured GUI when you start Xtruder :)

Path indention

 When a path is encountered, either in a check or whatever else the
 action is, it indents the files a number of positions. This number
 can range from 1 to 10. (10 is insane :)

Time check

 The number of minutes between each time check.

Program priority

 The priority of Xtruder.

Prespecified priority

 The priority of Xtruder when checking
             prespecified
             .

Specified priority

 The priority of Xtruder when checking specified files.

Stay hidden during checks

 This orders Xtruder to remain iconified/hidden when checking files.
 Handy if you use Xtruder for checking uploaded files. I.e. it would
 not pop up all the time.

1.55 Settings menu

Paths

Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
the changes you have made.

NOTE: DO NOT add a trailing slash to any of the paths because Xtruder
      will then use the parent path!

Archive extract path

 The path where archives are extracted to.

 This path MUST be present before you may begin checking files.

File decrunch path

 The path where crunched programs and data files are decrunched to.

Virus path

 The path where virus is (optionally) copied to.

 This path MUST be present before you may begin checking files.

Corrupt path

 The path where corrupt files/archives is copied to. Encrypted files are
 also copied there if you have not ticked Decrunch encrypted files.

 This path MUST be present before you may begin checking files.

Auto create above paths

 Instead of tedious requesters at startup and messing around with
 your startup-sequence tick this and the above paths will be created
 automatically at startup or when you press okay in this window.

Guide path

 The path where this file is situated :-) If Xtruder can not find it
 there it will check its own directory. Remember you do not have to
 close the guide in order to work in Xtruder. Try for instance to
 press help while you are selecting a menu item.

Descriptions path

 This path should point to the place where you have all your virus
 descriptions and furthermore the descriptions must be placed in sub
 directories which start with the letter that the name of the virus
 starts with! E.g. 'DH1:Descriptions'. Your directory tree should
 then look like this:

 DH1:
   Descriptions
     A
     B
     C
     .
     .

```
       Z
     Demos
       .
       .
```

1.56   Settings menu

Prespecified

 Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
 the changes you have made.

 Add

  Add a path/file or several to the list.

 Remove

  Remove the current highlighted entry from the list.

 Sort

  Sort entries alphabetically.

1.57   Settings menu

                   Check I

 Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
 the changes you have made.

 PBC bits

  PBC is an abbrevation for 'Protection Bits for Checked files'. I think
  it is pretty obvious what it is for. F.x. you could use PBC only on
  archives. Then if you check the a directory with a lot of archives
  once more Xtruder can skip the archives which has the exact PBC bits
  set. In my case I have a download directory and every time I have
  downloaded some files I simply check the whole directory except the
  archives which have been checked before which are skipped. Simple
  but effective.

 Check files with PBC set

  Tick if files with PBC bits set should be checked. You should tick
  this when you get a newer version of the filevirus.library whereby
  you might find vira in the already checked archives/files.

 Set PBC on executables

  Tick if executables should be marked as checked.

Set PBC on archives

 Tick if archives should be marked as checked.

When decrunching use

 This feature is used to specify which decrunch libraries Xtruder should
 use to decrunch executables and data files during checking operations.
 With all other operations it exclusively uses the unpack.library.

  Unpack then XFD

   Xtruder first checks if unpack.library can identify a file as
   crunched and if not tries the xfdmaster.library.

  XFD then Unpack

   Xtruder first checks if xfdmaster.library can identify a file as
   crunched and if not tries the unpack.library.

  Only Unpack

   Xtruder only checks if unpack.library can identify a file as
   crunched.

  Only XFD

   Xtruder only checks if xfdmaster.library can identify a file as
   crunched.

Extract archives

 Tick if archives should be extracted and checked. When extracting
 please be aware of the fact that a file which have the same name as a
 file you are about to extract WILL BE OVERWRITTEN. LhA or LZX will
 not ask if it should overwrite it!!!

Ask before extracting files

 Tick if you want to confirm extracting of archives.

Ask before deleting extracted files

 Tick if you want to confirm deletion of extracted files. (To avoid
 confusion files are extracted to
               archive extract path
               .

Decrunch executables

 Tick if executables should be decrunched.

Decrunch data files

 Data files are usually crunched text files but XPK crunched programs
 will be recognized as data files because of the special crunchsystem.
 Therefore, you should tick this option if you have a lot of XPK

```
   crunched programs.

 Ask before decrunching files

  Tick if you want to confirm decrunching of executables.

 Ask before deleting decrunched files

  Tick if you want to confirm deletion of decrunched files.

 Decrunch encrypted files

  Crunched files are rarely encrypted but in case they are a requester
  will pop up and ask for the password. This is not good if you use
  Xtruder for checking uploaded files (in case your are a sysop :)
  because it would "hang" until you to enter the password. Therefore you
  may tick this and encrypted files will be copied to
              corrupt path
                  so you can check them later.

 Check DMS bootblock

  Tick if Xtruder should check the bootblock of DMS archives for
  bootblock virus.
```

1.58 Settings menu

```
                Check II

 Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
 the changes you have made.

 File filter

  A normal pattern string. E.g. '~(#?.info)' would not check files with
  '.info' in the end of the filename.

 Archive filter

  Same function as aboce except that this filter only applies for files
  within archives.

 Do with virus found

  When a virus is found there is a number of actions Xtruder can
  automatically perform on it. When refering to 'file' it does not
  necessarily means the virus if the virus was found within an archive.
  Then 'file' will refer to the archive which holds the file.

   Disable

    Removes the executable bit from the protection bits of the file
    preventing it from being executed by accident.

   Delete
```

   Deletes the file. If a virus is found within an archive it deletes
   the whole archive!

   Rename

    Renames the file. The Rename extension described below will be
    added to the filename. If the Rename extension string is empty a
    requester will appear so you can enter the new name.

   Comment

    Comment the file with the Comment for virus string described below.
    If that string is empty a requester will appear so you can enter a
    comment.

   Copy

    Copy the file to the
              virus path
               .

   Request

    Request an action.

   Nothing

    Ignore the infected file.

 Do with virus copied

  If you copy an infected file/archive there are also a couple of actions
  Xtruder may perform on the copied file.

   Disable

    Removes the executable bit from the protection bits of the copied
    file preventing it from being executed by accident.

   Rename

    Renames the copied file. The Rename extension described below will
    be added to the filename. If the Rename extension string is empty a
    requester will appear so you can enter the new name.

   Comment

    Comment the copied file with the Comment for virus string
    described below. If that string is empty a requester will appear so
    you can enter a comment.

   Nothing

    Ignore the infected file.

 Comment for virus

The comment used for a virus infected file or archive.

Rename extension

  The rename extension for a virus infected file archive.

Safe memory limit

  --- NOT IMPLEMENTED YET --- :^)

Auto deprotect

  Tick if read protected files should be deprotected so the file can be
  read and checked. Recommended.

Enter directories

  Tick if Xtruder should enter sub directories.

Auto path check

  Tick if an inserted disk should have its files checked.

Size

  Size information will be written. Please note that the information you
  want to see the slower the scanning will be.

File type

  The file type will be written.

Protection bits

  The protection bits will be written.

Date

  The date will be written.

1.59 Settings menu

              Archives

Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
the changes you have made.

Extract LhA

  Tick if LhA archives should be extracted.

Extract routine

  Can be either 'Internal 1' or 'Internal 2'.

Internal 1

Xtruder extracts all files to the
            Archive extract path
            .
Then checks all the files matching
            archive filter
            .

This routine is much faster than Internal 2 but uses more memory.

Internal 2

Xtruder makes a list of the files in the archive matching the

            archive filter
            , then extracts each file after eachother, checks it,
checks if the file is crunched and if so decrunches it and checks it
as uncrunched.

Max size

This specifies the maximum size an extracted file from a LhA archive
may have. If f.x. you specify 15200 then all files which when
extracted exceeds 15200 bytes will not be extracted.

Extract LZX

Tick if LZX archives should be extracted.

Extract routine

Can be either 'Internal 1' or 'Internal 2'.

Internal 1

Xtruder extracts all files to the
            Archive extract path
            .
Then checks all the files matching
            archive filter
            .

This routine is much faster than Internal 2 but uses more memory.

Internal 2

Xtruder makes a list of the files in the archive matching the

            archive filter
            , then extracts each file after eachother, checks it,
checks if the file is crunched and if so decrunches it and checks it
as uncrunched.

Max size

This specifies the maximum size an extracted file from a LZX archive
may have. If f.x. you specify 15200 then all files which when
extracted exceeds 15200 bytes will not be extracted.

Output

The output used when extracting archives with the internal method. If
Xtruder finds a '%s' in this string it will replace it with the name
of the archive it is extracting.

1.60 Settings menu

Bootblock

Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
the changes you have made.

Custom bootblock

A custom bootblock file. Should be at least 1024 bytes long.

Check inserted disks

Tick if all inserted DOS disks should be checked for bootblock vira.

Show bootblock

Tick if you want to see the checked/installed bootblock.

1.61 Settings menu

History

Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
the changes you have made.

History path

The path of the history files.

History file

The history file. E.g. 'Xtruder.HIStory'. If the file already exists
a new file with a number extension will be created instead. I.e. if
'Xtruder.HIStory' exists the new history will be saved as
'Xtruder.HIStory.1'.

Use date and time as filename

The current date and time will be used as filename.

Append

  Instead of creating a new history file for every save you can tick this
  to make Xtruder append the history to the History file.

 Request filename

  When the 'Save method' (described below) has been set to save history
  Xtruder will first create the filename according to the settings
  and then show it in a filerequester so you can confirm the save.

 Max entries

  Maximum number of lines of history. If set to 0 only the memory is the
  limit.

 Save method

  How history should be saved after a file check.

   Don't save

    Do not save after a file check.

   After action

    Save history after a file check.

   After action then flush

    Save history after a file check and then flush history. You should
    set Save method to this if you have ticked the Append button.
    Otherwise old histories will be saved too instead of just the new
    ones.

 Path and file check

  Tick if path and file checks should be recorded.

 Bootblock actions

  Tick if bootblock actions should be recorded.

 Report checking

  Tick if report checking should be recorded.

1.62 Settings menu

ARexx

 Pressing Okay affects Xtruder immediately. Pressing Cancel will abort
 the changes you have made.

 Items

The names of the items.

 Name

  The name of the selected item.

 Add

  Add a script or a separator bar.

 Remove

  Remove a script or a separator bar.

 Up

  Move an entry upwards.

 Down

  Move an entry downwards.

 Sort alphabetically

  Sort the entries alphabetically.

 Script

  The script to execute.

1.63 Settings menu

 Load

  Load settings. Requests the filename of the settings file you want
  to load.

1.64 Settings menu

 Save

  Save settings to 'ENV:Xtruder/Xtruder.prefs'. The size and coordinates
  of all windows opened by Xtruder will also be saved.

1.65 Settings menu

 Save as

  Save settings under a another name. The size and coordinates of all
  windows opened by Xtruder will also be saved.

1.66   ARexx menu

Execute script

 Choosing this will pop up a file requester where you can select an ARexx
 script to run. The path and filename are not shared with other
 filerequesters and will be saved along with settings.

1.67   The CLI interface

The CLI interface

 You can type 'Xtruder ?' to see the command line interface of Xtruder.

 It looks like this:

  F=FILE/M,R=PRESPECIFIED/S,V=VECTORS/S,P=PUBSCREEN/K,E=EXIT/S

  FILE

   You may specify more than one file/directory here. If you also specify
   the 'EXIT' keyword Xtruder will return to the CLI with one of the
   following codes:

     0 if the file(s) was OK or the number of vira found.

  PRESPECIFIED

   Checks prespecified entries.

  VECTORS

   Checks library vector offsets.

  PUBSCREEN

   Name of public screen to appear on.

  EXIT

   If you want Xtruder to return immediately to the CLI after having
   processed the other arguments specify this keyword. This is required
   if you want to make any use of the above mentioned return codes.

1.68   Environment variables

Special paths

 You may use a file to specify an alternative path for the settings
 file (Xtruder.prefs) and the keyfile.

 For the settings file the name is 'PREFSLOCATION' and for the keyfile

it is 'KEYFILELOCATION'.

The files must be placed in either the directory from where Xtruder is
run or in 'ENV:Xtruder'.

1.69 The ARexx interface

                    ARexx commands

The address of the Xtruder ARexx port is 'XTRUDER'. RexxMast must have
been started in order for this port to be present.

The commands:

 GetFile TITLE/K,PATH/K,FILE/K'

   Get a file from the user. TITLE is the title of the requester. You
   can have an initial path and/or file in the requester if you use
   PATH and/or FILE.

   The file including leading path will be returned in Result unless
   the file requester was canceled in which case RC will be non-zero.

 GetPath TITLE/K,PATH/K

   Get a path from the user. TITLE is the title of the requester. You
   can have an initial path in the requester if you use PATH.

   The path will be returned in Result unless the path requester was
   canceled in which case RC will be non-zero.

 CheckPrespecified

   Check prespecified entries.

   RC holds the number of vira found. If RC is negative an error
   occured before the check could begin. I.e. no files were checked.

   Possible error codes:

    -1 : Nothing to check.
    -2 : One or more check paths were not found.
    -3 : Could not open control window. If this happens you are very
           likely low on chip memory.
    -4 : Not enough memory.

 CheckSpecified

   A requester pops up and you will be able to select the directories
   and files you want to check.

   RC holds the number of vira found. If RC is negative an error
   occured before the check could begin. I.e. no files were checked.

   Look above for an explanation of the possible error codes.

```
CheckFiles FILE/M/A
```

  Check the specified files/directories as were they e.g. selected via
  a file requester. This is great for BBS use.

  You may also pass a directory.

  RC holds the number of vira found. If RC is negative an error
  occured before the check could begin. I.e. no files were checked.

  Possible error codes:

  -1 : One of the files/directories were not found.
  -2 : One or more check paths were not found.
  -3 : Could not open control window. If this happens you are very
         likely low on chip memory.
  -4 : Not enough memory.

```
CheckBootblock UNIT/N,DMSFILE/K
```

  Check the bootblock of a disk in df0: - df3:. If you know the unit of
  the drive you want to check (0 for df0:, 2 for df2: etc.) you can
  specify it with the UNIT keyword. A DMS archive's bootblock can
  also be checked with the use of the DMSFILE keyword.

```
CheckVectors
```

  Show the vector check window.

```
NumberViraFound A=ALL/S
```

 Xtruder keeps track of the vira it has found during all the file
 checks. Not just the last check. If you ommit the ALL argument this
 function will return the number of vira found in the last check it
 made. If ALL is specified it will return the number of vira found in
 all the checks it has made.

 The number returned can be retrieved from Result.

```
GetVirusName N=NUMBER/N/A
```

 Returns the virus name of a virus in the virus list. NUMBER is a
 number between (both included) 1 and the number of vira found meaning
 1 is the last virus found, 2 the last but one and so forth.

 The virus name is returned in Result.

```
GetVirusName N=NUMBER/N/A
```

 Returns the filename of a virus in the virus list. NUMBER is a
 number between (both included) 1 and the number of vira found meaning
 1 is the last virus found, 2 the last but one and so forth.

 The filename is returned in Result.

```
FlushVirusFoundList
```

This command flushes the entries of virus list and thereby frees a
tiny bit of memory.

InstallBootblock UNIT/N,TYPE/N

  Install a bootblock to df0: - df3:. If you know the unit of the drive
  you want to install (0 for df0:, 2 for df2: etc.) you can specify it
  with the UNIT keyword. The TYPE can also be omitted but may be
  one of the following:

       1 - 1.x OFS
       2 - 1.3 FFS
       3 - 2.0 OFS
       4 - 2.0 FFS
       5 - 2.0 OFS International
       6 - 2.0 FFS International
       7 - 3.0 OFS DirCache
       8 - 3.0 FFS DirCache
      20 - Custom bootblock
      21 - Select custom bootblock

SaveBBAsBinary UNIT/N,DMSFILE/K,BINFILE/K/A

  Save bootblock as binary.

  For UNIT and DMSFILE see above. BINFILE is required and must be
  the full name of the file where the bootblock should be saved to.

Show

  Show the interface.

Hide

  Hide the interface.

RequestUser TITLE/K,PROMPT/K/A,RESPONSE/K

  Request a response from the user.

  Use the TITLE keyword if you would like a different title. Default
  is 'Xtruder Information'. Use the RESPONSE keyword to alter the
  response choice. The choices must be separated by the '|' character.
  The default response is 'Okay'. The text itself must be specified via
  the PROMPT keyword.

  RequestUser PROMPT '"Is this fun ?"' RESPONSE '"_Sure is|_Nope"'

  Result will hold the response. If RESPONSE was passed with
  'Yes|Maybe|No' Result would contain 1 if user selected 'Yes' 2 if
  'Maybe' was selected and 0 for 'No'.

RequestString TITLE/K,PROMPT/K,STRING/K,MAXBUFLEN/N,ALLOWEMPTY/S,
                   RESPONSE/K

  Request a string from the user.

Use the TITLE keyword if you would like a different title. Default
is 'Xtruder Information'. Use the RESPONSE keyword to alter the
response choice. The choices must be separated by the '|' character.
The default response is 'Okay|Cancel'. Use PROMPT if you want text
above the string gadget. If you want an initial string use the
STRING keyword. If the MAXBUFLEN is specified the length of the
returned string will not exceed this value. The default for
MAXBUFLEN is 256. If an empty string may be returned specify
ALLOWEMPTY.

RequestUser PROMPT '"Is this fun ?"' RESPONSE '"_Sure is|_Nope"'

If requester was canceled RC will be non-zero. If not Result will
hold the string.

RequestNumber TITLE/K,PROMPT/K,MIN/N,MAX/N,NUMBER/N,SHOWDEFAULT/S,
                    RESPONSE/K

Request a number from the user.

Look above for an explanation of the TITLE, PROMPT and RESPONSE
keywords. If you want limit(s) for the number use MIN and MAX. An
initial number may be passed with the use of the NUMBER keyword. The
number should be visible at first use the SHOWDEFAULT keyword.

ListKnownBBVira

  See
          Known bootblock vira...
              Requires that the GUI is up.

ListKnownFileVira

  See
          Known file and link vira...
              Requires that the GUI is up.

ListKnownCrunchers

  See
          Known decrunchers...
              Requires that the GUI is up.

ListKnownPatches

  See
          Known patches...
              Requires that the GUI is up.

ListKnownFileTypes

  See
          Known file types...
              Requires that the GUI is up.

ListLibraries

        See

                        Libraries...
                                Requires that the GUI is up.

    ListDevices

        See

                        Devices...
                                Requires that the GUI is up.

    ListResources

        See

                        Resources...
                                Requires that the GUI is up.

    ListPorts

        See

                        Ports...
                                Requires that the GUI is up.

    ListSemaphores

        See

                        Semaphores...
                                Requires that the GUI is up.

    ListTasks

        See

                        Tasks...
                                Requires that the GUI is up.

1.70 HowToRegister

 How to register Xtruder

 Every 10th (20th,30th...etc.) will get his/hers money back AND a free
 keyfile for Vinci.

 For instance if your keyfile happened to be nr. 90 you will receive your
 Xtruder keyfile together with a total refund AND a free keyfile for Vinci.

 Now do not try to calculate the next keyfile number by looking in the
 registered users list :-) It is not possible to do so since certain
 people have got one for free and they are therefore not listed there.

 To register, FIRST fill out the registration form which is included in
 the distribution as 'Xtruder.regform' and send it to me to one of the
 addresses below.

 THEN there are 3 ways you can send the registration fee to me.

1. The first and easiest way (in my opinion) is to send cash to my
   snailmail address below.

   But keep in mind that it is at your own risk if you do that. I cannot
   be responsible for lost letters. But just remember to wrap a piece
   of paper around the cash so the possibly corrupt mailman is unable
   to see what is inside the envelope.

   The registration fee may be one of the following:

     150,- DKR (Danish kroners)
     150,- SKR (Swedish kroners)
     150,- NKR (Norwegian kroners)
      40,- DEM (German D-mark)
      15,- GBP (British pound sterling)
      25,- USD (US-Dollars)

    or the same amount as 150 DKR in any other currency!

   No coins (except Danish) accepted!!

2. Eurocheque

   Send a Eurocheque payable to 'Martin Wulffeld' with the amount of
   150 DKR (Danish kroners).

   If you send any other kind of cheque please include an extra 5 GB
   pounds since the bank charges outrageous fees.

3. Transfer the equivalent of 150,- DKR to my bank:

     Unibank
     Praestoe Afdeling
     Adelgade 76
     4720 Praestoe
     Denmark

     Name: Martin Wulffeld

     Reg. number: 0047
     Account number: 4482-600-846

==

ASAP on receipt of your registration I will send a personalized keyfile
to you on a disk. But things take time so please allow up to 8 weeks for
delivery, thanks = absolute, extremely worst case. Usually from you
sending the registration till you get the key will not take more than 2
weeks.

Put the keyfile in your L: assign or use the environment variable
'ENV:Xtruder/KEYLOCATION' to specify an alternative place for it. Place
the path of the keyfile in it.

You may not sell or give away the keyfile. The keyfile will make all
(future) locked features available to you.

```
==========================================================================
```

```
  – Snail mail: Martin Wulffeld
                Odensevej 121, 2 TV
                4700 Naestved
                Denmark

  – Internet:   None at the moment...

  – FidoNet:    2:236/25.4

  – AmigaNet:   39:141/132.4

  – Phone:      +45 (55) 77 01 37
```

1.71   What do I get?

```
                  If I register what do I get?
```

```
  – A keyfile which will unlock the current and future locked features in
    Xtruder. These are at the moment:

      Faster LZX archive checking.

  – Possibly your money back and/or a free keyfile for Vinci. Check
                How to register
                  .

  – A disk with the latest version of Vinci, Xtruder, Leagues and the rest
    of my productions.
```

1.72   Registered users of Xtruder

```
 Registered users

  In alphabetical order:

  – Alex Holst
  – Bjørn Moritz
  – David P. Naylor
  – Flemming Slabiak
  – Jan Andersen
  – Jari Karjalainen
  – Jen Allen
  – John Marchant
  – Kenneth Perto
  – Tauno Pinni
```

1.73   Acknowledgements

1.74 History

                    History of Xtruder

 Version:

                    1.0

                    1.1

                    1.2

                    1.3

                    2.0

                    2.1

                    2.2

                    2.3

                    2.4

                    2.5

1.75   Version 1.0 : 18.10.1994

```
First release.
```

1.76   Version 1.1 : 14.11.1994

```
Bug fixes
```

  - If a file's name was '*' Xtruder would hang. Now it simply skips it!
  - Would not delete files in the unpack path after extracting an LhA
    archive.
  - Showing bootblock could cause a crash on 68000 machines.

1.77   Version 1.2 : 5.12.1994

```
Changes
```

  - When commenting a file the file's original comment will be placed in
    the string gadget.
  - Swedish catalog by Tauno Pinni included.

```
Bug fixes
```

  - 'Miscellaneous/Check file' did not write anything if a data file
     were not infected.

1.78   Version 1.3 : 6.1.1995 : 64164 bytes

```
Changes
```

  - Rewrote the Delete function so it now deletes all in the unpack
    directory! (I hope :)

1.79   Version 2.0 : 22.10.1995 : 155276 bytes

```
Changes
```

  - Now screen mode- and fontsensitive. 3 fonts for 3 different things :)
  - Generate & Check report feature.
  - Many sizable windows instead of hardcoded coordinates and sizes.
  - Can open on public screens.
  - Vector check.
  - Patch recognition.
  - ARexx interface completely rewritten.
  - AppIcon (drop icons onto it and they will be checked).
  - Asynchronous online help.
  - DMS bootblock check.

- 'Ports' and 'Semaphores' listings.
- Virus Info Base implementation.
- Own LhA/LZX extract routine.
- LZX support both internal and via unpack.library.
- Much more control of history (previously called 'Log')
- Hundreds of other things...

1.80   Version 2.1 : 12.11.1995 : 155004 bytes

Changes

- Now checks sizable window's width and height to see if it will fit on
  the screen and if not adjusts them to the screen. Alex Holst.
- The search strings for the Virus Info Base will be saved along with
  settings.
- Xtruder.library optimizations in both speed and size of library.
- Added patch recognition for CEDPatch, AutoCentre and MagicMenu.

Bug fixes

- Would not open screen on certain graphic cards (e.g. CyberVision).
  Jens Heller Sørensen.
- 'ListKnownFileTypes' ARexx argument did not work.
- If an archive was infected with f.x. two vira it would act upon the
  archive two times. E.g. add a rename extension twice which would fail
  the second time. Now infected files are only acted upon once.
  Kenneth Perto.
- Forgot to store the name of a renamed archive so it could be checked
  for more vira.
- Now moves the public screen Xtruder uses to front when activated with
  e.g. the popkey.
- The 'Unpack library' extract mode would hang Xtruder with certain
  filenames. Jens Heller Sørensen.

1.81   Version 2.2 : 25.1.1996 : 157600 bytes

                Changes

- Changed the way you scroll in listviews. Refer to
              Usage
               for a detailed
  description. Alex Holst.
- Added 'Show CRC' feature.
- Added 'Repair file' feature.
- Now also uses the xfdmaster.library alone, not at all or in
  conjunction with unpack.library when decrunching files. Refer to

              Check I settings
               for more information.
- Adjusted spacing between gadgets and borders so the GUI looks a bit
  nicer now.
- You can now load settings in Xtruder.

- Check routine is now much faster.
- In the startup information you can now also see the version of the
  Bootblock.brainfile. Jan Andersen.

- Checking of LZX archives now only available to registered users.

 Bug fixes

- When resizing windows the window would sometimes not be erased properly.
- Double ARGH! Would not check crunched files.
- A couple of bugs when saving history squashed.
- Now really checks the bootblock of DMS archives. Before it was just
  the first 1024 bytes it decrunched. It would therefore only check
  the banner sometimes.
- Used the same keyboard shortcut twice in Check I settings.
- Forgot to use the archive filter with the unpack library extract
  routines. Anyway use of this extract routine is discouraged.

1.82   Version 2.3 : 20.2.1996 : 157636 bytes

                  Changes

- Removed the annoying "flash" that sometimes appeared when moving the
  Xtruder screen to the front.
- Added Append feature to history. Append means that you can have
  just one history file where the history will be appended to when
  saving. John Philip Marchant.
- Now also shows the number of crunchers at startup xfdmaster.library
  knows.
- The names of the crunchers xfdmaster.library knows can now be seen in
  the
              list of decrunchers
                  .
- Renamed Object decrunch path to File decrunch path.
- New ARexx commands: NumberViraFound, GetVirusName, GetVirusFileName
  and FlushVirusFoundList. John Philip Marchant.
- You can now drop icons on the main window and they will be checked.
  This is of course only of any use when using Xtruder on a public
  screen.

- Included Swedish catalog. Translation by Tauno Pinni.

 Bug fixes

- Minor ARexx string bug fixed.
- Forgot to free some memory when checking icons.
- Used the same shortcut twice in Bootblock settings.
- Could not decrunch files from within an archive if When decrunching
  use was set set to Unpack then XFD or Only unpack.
  Jimmie Bagge.

1.83   Version 2.4 : 10.3.1996 : 157276 bytes

Changes

  – Changed a couple of strings a bit.

Bug fixes

  – CHECKFILES ARexx command was broken. Alex Holst.
  – Would sometimes lock itself when checking files with a corrupt hunk
    structure. Jimmie Bagge.
  – Fixed a bug that caused gazillions of enforcer hits if Xtruder was
    started hidden. Alex Holst.

1.84   Version 2.5 : 30.6.1996 : 160508 bytes

                       Changes

  – Screenmode, font and palette requesters now get their position and
    dimensions from the ReqTools preferences instead of having fixed
    positions and dimensions.
  – The position of the control window is now saved along with
    preferences.
  – New Internal extract routine for LhA and LZX archives. More or less a
    replacement for the now removed Unpack library extract routine.
    Jens Heller Sørensen.
  – Reduced the memory usage when checking files a bit.
  – When Xtruder is started and the GUI is shown Xtruder shows the size
    of itself and some other information. If the size is incorrect the line
    with the size information is shown in white.
  – When manually unpacking files using the functions in the
                 Files
                  menu
    Xtruder will now only use the
                 Internal 2
                  function for LZX/LhA
    archives.
  – The main window can now also be resized in the horisontal dimension.
  – Changed the meaning of
                 Archived
                  and
                 Extracted
                  . John Marchant.
  – The position and size of the main window when on a public screen is
    now saved along with preferences.

  – LZX archive checking now available for unregistered users. However,
    checking LZX archives is slower for unregistered users.

Bug fixes

  – Xtruder would crash if it found files in a LhA/LZX archive with a size
    of 0. Alex Holst.
  – When checking the length of gadget strings it would sometimes forget
    one or more strings.
  – Would not check archives within other archives.

- Minor font error in Check I settings.
- When you deactivate the Public screen name string gadget it no
  longer shows the list of available public screens.