

# **Xtruder**

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**COLLABORATORS**

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

NUMBER	DATE	DESCRIPTION	NAME

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# Chapter 1

## Xtruder

### 1.1 Xtruder guide documentation

Xtruder

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Version 2.1 - Release date 12.11.1995

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#### 1. Legal Issues

##### 1.1 -

Disclaimer

##### 1.2 -

License

#### 2. Installation

##### 2.1 -

Notes concerning installation

##### 2.2 -

Installation

#### 3. Introduction

##### 3.1 -

Introduction to Xtruder

##### 3.2 -

Main features of Xtruder

##### 3.3 -

Getting the newest version

#### 4. Usage

##### 4.1 -

General usage

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CLI interface

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- Environment variables
- 4.5 - ARexx interface
- 5. Registration
- 5.1 - How to register
- 5.2 - Registered users of Xtruder
- 6. Miscellaneous
- 6.1 - Acknowledgements
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- 6.3 - The possible future

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- 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

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

---



## 1.5 Installation

Installation

Click on the installer icon to start the installation of the libraries and the Bootblock.brainfile.

## 1.6 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.

PGP

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)

```
mQCNAjAWEggAAAEEMBONVPwDx1sHsnh5Cg81R7duuVh4I0uT3q/aI1EppqBEUsSp
WGDx0h1JBKWrqBVKR1mT7Wtrm5x4rImTurKsjXtK4hCJHhJXPFj0bxjNiGijDVfq
eEt6Pj2n7sghc/bSMH71sUx8FZEa2//hAAPIL9a5+2CxrFT/OaKcaztHngaFAAUR
tClNYXJ0aW4gV3VsZmZlbGQgPHd1bGZmZWxkQGRhdGFzaG9wcGVyLmRrPg==
=0dHU
```

-----END PGP PUBLIC KEY BLOCK-----

## 1.7 Features in Xtruder

### Features

- Locale support (WB 2.1 or higher).
- Supports many 3.x features (New look menus, hires lace pointer, etc.).
- 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 LhA as well as LZX archives for vira.
- ARexx interface.
- Highly configurable.

## 1.8 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

#### - Perto's Asshole

```
Node #1 +45 86720273 24H HST/33k6/V32b/V34/V.FC
Node #2 +45 86720274 24H ZyXEL 19k2 FAX (soon 28k8)
Node #3 +45 86293910 24H 1k2/2k4/14k4/V32bis
Node #4 +45 87370010 24H 64k0 ISDN-2 2kb
Node #5 +45 87370010 24H 64k0 ISDN-2 2kb
Node #6 +45 87370013 24H 64k0 ISDN-2 16kb
Node #7 +45 87370013 24H 64k0 ISDN-2 16kb
```

#### - FlashBack:

```
Node #1 +45 43624162 24H 28k8
```

#### - Aminet in the 'util/virus' directory.

Xtruder will only be released archived with LhA!

## 1.9 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 preferences

window and press help. The online help will appear, provided it has been installed correctly of course, with the GUI preferences 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 preferences.

### Listviews

All listview gadgets (those with a scroller on their right side :) can be controlled with the up and down cursor keys. Pressing 'shift' along with of one these keys will make it scroll 2 instead of 1. Pressing 'alt' moves to either the top or the bottom.

### 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:        3  Extracted:          2
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.
Crunched   - How many files were crunched.
Decrunched - How many of the crunched files were successfully
              decrunched.
Archived   - How many archives were encountered.
Extracted  - How many of the archives were extracted.
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 data files (ASCII, IFF, etc.).

---

## 1.10 The menus

Menus

Project

Check

Files

Bootblock

List

Miscellaneous

Preferences

ARexx

## 1.11 Project menu

The Project Menu

Hide

About

Quit

## 1.12 Check menu

The Check Menu

Prespecified...

Specified...

Bootblock...

Vectors...

## 1.13 Files menu

The Files Menu

---

Unpack to unpack path...

Unpack to...

## 1.14 Bootblock menu

The Bootblock Menu

Install...

Save as binary...

## 1.15 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...

## 1.16 Miscellaneous menu

The Miscellaneous Menu

History »

Flush...

---

Show...  
Save...  
  Report »  
  
Generate...  
  
Check...  
  Time check request »  
  
Initialize...  
  
Remove...  
  
Virus info...

## 1.17 Preferences menu

The Preferences Menu

GUI...  
Startup...  
General...  
Paths...  
Prespecified...  
Check I...  
Check II...  
Archives...  
Bootblock...  
History...  
ARexx...  
Save...  
Save as...

## 1.18 ARexx menu

---

The ARexx Menu

Execute script...

## 1.19 Project menu/Hide

Hide

Hides Xtruder by closing the GUI. This is only possible if Xtruder could create its commodity. Therefore you must have a valid  
popkey  
.

## 1.20 Project menu/About

About

Miscellaneous information on Xtruder.

## 1.21 Project menu/Quit

Quit

Quit Xtruder.

## 1.22 Check prespecified

Check prespecified

Checks the prespecified entries. See  
Prespecified...

## 1.23 Check specified

Check specified

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

## 1.24 Check bootblock

Check bootblock

Check the bootblock of a DOS disk.

---

## 1.25 Check vectors

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 f.x. 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.

## 1.26 Files menu/Unpack to unpack path...

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

.

## 1.27 Files menu/Unpack to...

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.

## 1.28 Bootblock menu/Install..

Install bootblock

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

## 1.29 Bootblock menu/Save as binary...

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.

---



### 1.30 List menu/Known bootblock vira...

Known bootblock vira

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

### 1.31 List menu/Known file and link vira...

Known file and link vira

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

### 1.32 List menu/Known decrunchers...

Known decrunchers

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

### 1.33 List menu/Known file types...

Known file types

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

### 1.34 List menu/Known patches...

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.

---

### 1.35 List menu/Libraries...

List of libraries

Show a list of libraries in memory.

### 1.36 List menu/Devices...

List of devices

Show a list of devices in memory.

### 1.37 List menu/Resources...

List of resources

Show a list of resources in memory.

### 1.38 List menu/Ports...

List of ports

Show a list of public ports created.

### 1.39 List menu/Semaphores...

List of semaphores

Show a list of public semaphores created.

### 1.40 List menu/Tasks...

List of tasks

Show a list of tasks.

### 1.41 Miscellaneous menu/History/Flush...

Flush history

Clears history.

---

## 1.42 Miscellaneous menu/History/Show...

Show history

Show history in a resizable window.

## 1.43 Miscellaneous menu/History/Save...

Save history

Save history to a file.

## 1.44 Miscellaneous menu/Report/Generate...

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.

## 1.45 Miscellaneous menu/Report/Check...

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.

---

## 1.46 Miscellaneous menu/Time check/Initialize...

Initialize a time check request

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

## 1.47 Miscellaneous menu/Time check/Remove...

Remove a time check request

Remove a time request.

## 1.48 Miscellaneous menu/Virus info...

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 :-)

There is nothing difficult or tricky with this feature. It 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 preferences  
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 preferences.

## 1.49 Preferences menu/GUI...

GUI preferences

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' since a proportional font would interfere with the visual representation.

#### 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.

## 1.50 Preferences menu/Startup...

### Startup preferences

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.

## 1.51 Preferences menu/General...

### General preferences

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.

### Commodity priority

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

### Popup on 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.

## 1.52 Preferences menu/Paths...

Paths preferences

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 can check files.

Object decrunch path

The path where crunched executables (programs :) are decrunched.

This path MUST be present before you may check files.

Virus path

The path where virus is (optionally) copied to.

---

This path MUST be present before you may check files.

#### Corrupt path

Intentionally the path where corrupt files/archives should be copied to. But currently only encrypted files are copied there if you have not ticked 'Decrunch encrypted files'.

This path MUST be present before you may check files.

#### Auto create above paths

Instead of tedious requesters at startup and messing around with startup-sequence tick this and the above paths will be created automatically if they do not exist 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
    .
    .
```

## 1.53 Preferences menu/Prespecified...

### Prespecified preferences

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.

## 1.54 Preferences menu/Check I...

Check I preferences

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

PBC bits

PBC is an abbreviation 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 BUT the archives which HAVE been checked before are simply 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.

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. (Again to avoid confusion files are decrunched to

object decrunch path

.

Decrunch encrypted files

Crunched files are rarely encrypted but if they are a requester will pop up and ask for the password. This is not good if you use Xtruder for checking uploaded files because it would "hang" and wait for you to enter the password. Therefore you can tick this and possible 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.

## 1.55 Preferences menu/Check II...

Check II preferences

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 above 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 referring to 'file' it does not necessarily mean the virus if the virus was found within an archive. Then 'file' will refer to the archive which holds the file.

**Disable** - Well, does not disable it as you might think but if the virus is an executable it will remove the executable bit from the protection preventing it from being executed.

**Delete** - Deletes the file.

**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 type 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 write a comment.

**Copy** - Copy the file to the virus path  
.

**Request** - Request an action.

**Nothing** - Do nothing.

#### Do with virus copied

If you copy or more a file there is also a couple of actions Xtruder can perform on it.

#### 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.

## 1.56 Preferences menu/Archives...

Archives preferences

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

Extract routine

Can be either 'Internal' or 'Unpack library'.

'Internal' first makes a list of the files in the archive matching

archive filter  
, then extracts each file after eachother AS UNCRUNCHED,  
checks it, checks it if crunched and if so decrunches it and checks the  
decrunched file and last deletes it to free up memory.

'Unpack library' however, extracts all files matching

archive filter  
and all crunched files in the archive is decrunched as well. ←  
This means  
that some vira linked to a crunched program would not be found!!

'Internal' is the slowest routine but by far the one which catches most vira.

Extract LhA

Tick if LhA archives should be extracted and checked.

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 routine

Can be either 'Internal' or 'Unpack library'.

'Internal' first makes a list of the files in the archive matching

archive filter  
, then extracts each file after eachother AS UNCRUNCHED,  
checks it, checks it if crunched and if so decrunches it and checks the  
decrunched file and last deletes it to free up memory.

'Unpack library' however, extracts all files matching

archive filter  
and all crunched files in the archive is decrunched as well. ←  
This means  
that some vira linked to a crunched program would not be found!!

'Internal' is the slowest routine but by far the one which catches most vira.

Extract LZX

Tick if LZX archives should be extracted and checked.

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.

## 1.57 Preferences menu/Bootblock...

Bootblock preferences

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.

## 1.58 Preferences menu/History...

History preferences

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.

Request filename

When the 'Save method' (described below) has been set to save history Xtruder will first create the filename according to the preferences 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

One of the following:

- Don't save                      - Do not save after an action.
- After action                    - Save history after each of the ticked actions.
- After action then flush       - Save history after each of the ticked actions and then flush the lines.

NOTE: For the moment Xtruder only saves history for the 'Path and file check' action.

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.

## 1.59 Preferences menu/ARexx...

ARexx preferences

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.

## 1.60 Preferences menu/Save...

---

Save preferences

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

## 1.61 Preferences menu/Save as...

Save preferences as

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

## 1.62 ARexx menu/Execute script...

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 can be saved. See

Save preferences

.

## 1.63 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.

## 1.64 Environment variables

Special paths

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

For the preferences 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'.

## 1.65 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 occurred 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 occurred 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 occurred before the check could begin. I.e. no files were checked.

Possible error codes:

- 1 : One of the files/directories were not found. Check was therefore interrupted.
- 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.

#### 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,MAXBUFLN/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 MAXBUFLN is specified the length of the returned string will not exceed this value. The default for MAXBUFLN 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...  
ListKnownFileVira

See

Known file and link vira...  
ListKnownCrunchers

See

Known decrunchers...  
ListKnownPatches

See

Known patches...  
ListKnownFileTypes

See

Known file types...  
ListLibraries

See

Libraries...  
ListDevices

See

Devices...  
ListResources

See

Resources...  
ListPorts

See

Ports...  
ListSemaphores

See

Semaphores...  
ListTasks

---

See

Tasks...

## 1.66 HowToRegister

How to register Xtruder

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 2 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)  
200,- SKR (Swedish kroners)  
200,- NKR (Norwegian kroners)  
40,- DEM (German D-mark)  
15,- GBP (British pound sterling)  
25,- USD (US-Dollars)  
150,- FFR (French francs)

No coins (except Danish) accepted!!

2. Or 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. But things take time so please allow up to 8 weeks for delivery, thanks = absolute, extremely worst case.

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: wulffeld@datashopper.dk
  - FidoNet: 2:236/25.4
  - AmigaNet: 39:141/132.4
  - Phone: +45 (55) 77 01 37

## 1.67 Registered users of Xtruder

Registered users

In alphabetical order:

- Alex Holst
- Bjørn Moritz
- Flemming Slabiak
- Jan Andersen
- Jen Allen
- Kenneth Perto
- Tauno Pinni

## 1.68 Acknowledgements

Acknowledgements

- Alex Holst for great support/beta testing as ever.
  - Anders Wegge Jakobsen for ARexx script to DLG Pro BBS system.
  - ARexx by William S. Hawes, Wishful Thinking Development Corp.
  - Bjørn Reese for creating the filevirus.library.
  - Carlsberg & Coca Cola for liquid support.
  - Erik Løvendahl Sørensen for SHI.
  - Johan Eliasson for Bootblock.library.
  - Kasper B. Graversen for beta testing/suggestions.
  - Kim Borbjerggaard for great, great beta testing. Keep those bug reports coming :)
  - Kenneth Perto for beta testing and ARexx script to Zeus BBS system.
  - LhA is copyright © 1991,92 Stefan Boberg.
  - LZX is copyright © 1995 Data Compression Technologies.
  - Olaf 'Olsen' Barthel for his terminal program 'term' and releasing
-

- the source to it!
- Oliver Lange for the great FileID.library.
  - R.E.M.
  - Thomas Neumann for the best unpack library there is. Looking forward to the next APlayer with peakmeters :-)

There are at time of writing noone I do not wish to thank!

## 1.69 History

### History of Xtruder

#### Abbreviations:

SUG = Suggestion by  
BUG = Bug reported by  
OFRU = Only For Registered Users

#### Version:

1.0  
1.1  
1.2  
1.3  
2.0  
2.1

## 1.70 Version 1.0 : 18.10.1994

First release.

## 1.71 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.
-

## 1.72 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.

## 1.73 Version 1.3 : 6.1.1995 : 64164 bytes

### Changes

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

## 1.74 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...

## 1.75 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 adjust them to the screen. NAG Alex Holst :)
  - The search strings for the Virus Info Base will be saved along with preferences.
-



- 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). BUG 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. BUG 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. BUG Jens Heller Sørensen.

## 1.76 The future of Xtruder

#### Future of Xtruder

##### Ideas:

- Be able to repair infected files.
  - Custom bootblock brainfile.
  - Improve the vector check a lot.
  - Load preferences.
  - Rigid Disk Block backup/restore.
  - Lots of other cool features... :)
-