

# **ReqChange**

Magnus Holmgren

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# Chapter 1

## ReqChange

### 1.1 ReqChange.guide: User documentation for ReqChange

This file describes ReqChange, version 3.10, a program that replaces the most common requesters with the ones ReqTools (copyright © Nico François and Magnus Holmgren) offers. ReqChange is similar to RTPatch, included in the ReqTools distribution, but offers a lot more.

#### Introduction

Preface	Please read this first.
Introduction	Why ReqChange?
System requirements	What you need to run ReqChange.

#### Legal issues

License	What you may and may not do with ReqChange.
No warranty	Use ReqChange at your own risk.
Disclaimer	Software disclaimer.
Shareware	Shareware information.

#### Documentation for ReqChange

Installation	How to install ReqChange.
Patched requesters	Which requesters ReqChange can patch.
The AssignWedge ARexx messages Excepted programs	What is an AssignWedge? How to send ARexx messages. Except programs from patching.
The prefs editor StartRC ReqChangeCX	How the prefs editor works. The starter program. The ReqChange commodity.
Known problems	A few problems still remain...
Acknowledgements The future Program history	Who did what? Possible new features in ReqChange. What have changed in ReqChange.

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Glossary	Explanation of some "strange" words.
Index	Index of the various sections.

## 1.2 ReqChange.guide/Preface

### Preface

ReqChange is offered to you under the concept of Shareware. You may use ReqChange for an evaluation period of up to 30 days without paying any fee. If you are going to use ReqChange after the evaluation period, you have to register.

See License and Shareware for more information.

## 1.3 ReqChange.guide/Introduction

### Introduction

One of the many new features with Amiga OS 2.0, is a new library called Asl, which contains a standard file and a font requester (in OS 2.1 or higher there is also a screenmode requester). Before OS 2.0, there were no standard requesters of this kind, which made several programmers write their own version(s) of a file/font requester. Some programmers put them in a library - often with other requesters and/or functions - so that other programs could use them as well. Of these external requesters (or rather, libraries), there were basically two that became really popular, Arp and Req.

Arp was the first one, and that library also contains a number of useful function that the Amiga OS didn't have before version 2.0. Req on the other hand have a couple of extra requesters and requester-related functions, and the combined file and font requester is rather powerful (although maybe not the most beautiful one).

Anyway, the thought is that all programs should use the new standard Asl requesters, to provide a nice looking and uniform environment for the user. However, I think these new requesters have a couple of drawbacks. For one thing, the file requester is slow (although this is improved in OS 2.1), and doesn't look that good (IMHO). The information requester (which also is improved in OS 2.0) is glued to the upper left corner of the screen, and can only be confirmed with the mouse, or some cryptic key-combination (although there is a thought behind that).

Another problem is that there are a lot of older programs that still use Arp and Req. These requesters simply doesn't fit that well into the new OS 2.0 environment. Something had to be done about this. But what?

One day I got a copy of ReqTools, a library written by Nico François. This library contains a set of requesters that looks good, and are generally faster and better than the other possible alternatives (again, IMHO). When

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I saw these requesters, I thought:

"Why can't all programs use these requesters instead?"

So, I decided to do the best I could so that as many programs as possible would use the ReqTools requesters instead, regardless if they previously had used Asl, Arp or Req.

The result of this effort is this program, ReqChange, which replaces most requesters in Intuition, Asl, Arp and Req with the equivalents found in ReqTools. It also offers several extra features.

Note: ReqChange only replaces the requester functions in a library, not the entire library. You still need the library in question.

## 1.4 ReqChange.guide/System requirements

### System requirements

ReqChange should work with any Amiga that has at least OS 2.04 and 512 Kbyte of RAM.

ReqTools is ofcourse required, but it is included in the ReqChange distribution, so this shouldn't cause any problems.

When active, ReqChange uses about 22 Kbyte of memory, exluding the memory used by ReqTools, and the diskbased libraries ReqChange may patch. Any so called REXX, deny or exception lists also takes some memory, ofcourse (see AREXX messages, The AssignWedge and Excepted programs).

The libraries are only patched when the library in question is in use, a feature that can save quite a bit of memory. This feature was first implemented in RTPatch by Nico Francois.

A program called SetMan (Copyright (C) 1991,1992 by Nicola Salmoria) can be nice to have installed, but it is by no means required. SetMan is a program that extends the way patches are handled within the system, and can prevent system crashes with improperly written "patchers" (ReqChange is not "improperly written" :). SetMan also provides a list over all patches in the system, and which program that installed them, and a possibility to disable (and re-enable) a patch.

## 1.5 ReqChange.guide/License

### License

This license applies to the product called ReqChange, a set of programs for the Amiga computer, published by Magnus Holmgren under the concepts of Shareware, and the accompanying documentation, example files and anything else that comes with the original distribution. The terms "Programs" and "ReqChange" below, refer to this product. The licensee is addressed as "you".

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

You may use the programs for a period of up to 30 days for evaluation. After that, you have to register.

If you wish to incorporate parts of the programs into other programs, write to the author to ask for permission.

You agree to cease distributing the programs 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.

## **1.6 ReqChange.guide/No warranty**

### **No warranty**

There is no warranty for the programs, to the extent permitted by applicable law. Except when otherwise stated in writing the copyright holder 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

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## 1.7 ReqChange.guide/Disclaimer

### Disclaimer

No warranty, either express or implied, is made with respect to the fitness or merchantability of ReqChange.

Magnus Holgren (referred to as "the author"), reserve the right to not develop any future versions of ReqChange.

The author will try to make a good faith attempt at correcting any problems if any are discovered, but are in no way required, nor bound to correct them.

The author neither assume nor accept any responsibility for the use or misuse of these programs. He also will not be held liable for damages or any compensation due to loss of profit or any other damages arising out of the use, or inability to use these programs.

Magnus Holmgren will not be liable for any damage arising from the failure of these programs to perform as described, or any destruction of other programs or data residing on a system attempting to run the programs. While I know of no damaging errors, the user of these programs uses it at his or her own risk.

## 1.8 ReqChange.guide/Shareware

### Shareware

ReqChange is shareware. This means that if you use this program regularly, you are required to send me, the author, a Shareware fee as payment for the program. This fee is US\$10 (or 70 SEK).

How to register

How to get the keyfile

How to get updates

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## 1.9 ReqChange.guide/Shareware/How to register

How to register

To register ReqChange, fill in the registration form (the file Registration.form), and send it to:

Magnus Holmgren  
Kvarnbergsvägen 5  
S-444 47 Stenungsund  
SWEDEN

You can also e-mail me the registration form. In this case, send it to:

"Magnus Holmgren", 2:204/404.6@@fidonet.org

Or if you prefer Internet:

cmh@lls.se  
cmh@augse.se

You also need to send me the shareware fee, US \$10 (70 SEK). There are a couple of accepted forms of payment:

Include the cash in the letter with the registration form (preferably wrap the money with something (like the registration form), so that you can't see that it contains cash). In this case you must either send me US\$ or Swedish crowns (kronor, SEK).

Use the so called "International money order" (make sure you get the right thing!). Your locale post office should be able to help you with this. This is the recommended form of payment if you don't live in Sweden. The fees are moderate, and I get the money in SEK.

Make a transfer of 70 SEK to the postal giro account 921 71 60-2 in Sweden. Please note that giro transfers between countries can cost quite a bit. This is the recommended form of payment if you live in Sweden.

Any other way you prefer, but remember to include enough money to cover any expenses to get the money in a usable form! :) Feel free to contact me for more information.

If you've written a shareware program yourself, we could "enchange" registrations (assuming it is a program I'm interested in ofcourse! :).

## 1.10 ReqChange.guide/Shareware/How to get the keyfile

How to get the keyfile

Earlier versions of ReqChange were released as "true" shareware. Since I didn't get that many registrations, I've decided to make this version "crippled". This means that you need a so called key file to unlock certain features.

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But how do you get this keyfile? you ask. Well, the registration fee is only for the program; not for the transfer of the keyfile to you. If I can send you pgp-encrypted e-mail (via Internet or routed Fidonet), then all you need to do is to send me your public pgp-key, and I'll send you your keyfile in encrypted form, along with my public key. Note that it is uncertain if routed fidonet messages works, as certain nodes dislike encrypted mail.

If this isn't possible, then you'll need to send me an extra US\$ 5 (or 20 SEK, if you live in Sweden), or you can include a SASE and a disk. I'll then return the disk with the keyfile, together with the latest version of ReqChange.

If you already have registered ReqChange, simply use any of the above mentioned methods.

Please allow for up to eight (8) weeks for delivery of the keyfile. Usually it won't take that long.

When you have the keyfile, either put it in L: or the path specified in the KEYPATH environment variable (if it is defined, then L: will not be searched).

Important note: A keyfile is strictly personal. You may only copy it for backup purposes. Your name and other unique information is encoded in it, so I can always identify a keyfile if needed.

## 1.11 ReqChange.guide/Shareware/How to get updates

How to get updates

If you want me to send you the latest/next version of ReqChange when finished, include an extra US\$ 5 (20 SEK if you live in Sweden) for each update. You can also send one SASE and disk per update. This is only if you want me to send you the next update as soon as it is ready. Otherwise you don't need to pay me anything to get an update, if you e.g. download it from a local BBS.

I usually upload the latest version of ReqChange to Aminet and AUGS BBS (2:204/404). You can also find the latest version on my home page at "<http://www.lls.se/~cmh/>". Considering the problems Aminet have had lately (slow in processing updates mainly), downloading ReqChange from my home page is the safest and fastest method.

## 1.12 ReqChange.guide/Installation

Installation

ReqChange is fairly easy to install. Simply use the supplied installer script (which uses the Commodore Installer utility). If you don't have the Installer (included in OS 2.1 or higher, and several commercial and non-commercial programs. It is also available on most BBS:es), you need to

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do it by hand. This isn't that hard to do, if you have some familiarity with the Amiga.

First of all, copy Libs/reqchange.library and Libs/reqtools.library to Libs:. If you already have reqtools.library installed, it is a good idea to check the version already installed, and only copy the supplied version if it is newer (use Version to find out which version you have). The included version is always the latest one at the time of the release.

The prefs editor (Prefs/ReqChange) should go to your Sys:Prefs drawer, or any other drawer you find convenient (preferably somewhere in your command search path).

If you have AmigaGuide® installed on your Amiga, you may want to be able to use online-help in the prefs editor. Then you should copy ReqChange.guide (either the english or the swedish version; whichever you prefer :) to either the same directory as the prefs editor, or to any directory in the AmigaGuide® search path (as set by the AmigaGuide/Path environment variable).

In order to start/stop ReqChange, the small program StartRC is needed. Install it anywhere in your path where you find it convenient, or drop it in your Sys:WBStartup drawer, for automatic start every boot.

If you don't put StartRC in Sys:WBStartup, a line like this in your S:User-Startup file will start ReqChange each boot:

```
StartRC
```

If any errors occurs, you will be informed about it. See StartRC for more information.

If you want to have a Commodity active, so that you can start the preferences editor with a keypress (and some other features as well), you may want to install the ReqChangeCX commodity as well. Install it in the same way as StartRC.

Lastly, if you have OS 2.1 or higher, and would like to operate ReqChange in another language than english, you need to install at a couple of catalog files. Copy the files in the drawer Catalogs/<language> (were "<language>" is the language is the language as set in the Locale preferences editor) to Locale:Catalogs/<language>. There are four files for each language, two for ReqChange and two for ReqTools (currently, there aren't files for all languages).

## 1.13 ReqChange.guide/Patched requesters

### Patched requesters

ReqChange patches a number of different requester functions, found in a few libraries. All these patches are optional, and will only be installed if you have activated them, and the library in question actually is in memory. In order to accomplish this, one (or rather, two ;) function in exec.library need to be patched. This patch have been written to be completely transparant and shouldn't cause any problems.

---

These are the different libraries ReqChange may patch:

Intuition

Asl

Arp

Req

ReqTools

## 1.14 ReqChange.guide/Patched requesters/Intuition

Intuition

Intuition has two requesters, called `AutoRequest()` and `EasyRequest()`. These requesters are very similar to the user; they only differ in the way they are called. These requesters are used for displaying information (e.g. an about requester) or simple queries, where there are a few, predefined, answers.

The requesters ReqChange installs behaves almost like the old ones, but with a little extra: It also contains an `AssignWedge` (see `The AssignWedge`). This `AssignWedge` can be turned off if you want (see `The prefs editor/Main window`).

Some programs (like `DiskSalv` version 2) uses the `AutoRequest()`er in a way that ReqChange can't emulate properly. When such requesters are used, ReqChange will use the original one instead. `ARexx` messages will still be sent, but with a minor catch: There will be linefeeds here and there in the body that normally shouldn't be there.

Note: `AutoRequest()` and `EasyRequest()` also exist in asynchronous versions (which allows the program to continue processing while the requester is up). These functions can't be patched, since that calling interface can't be emulated with the current version of ReqTools.

## 1.15 ReqChange.guide/Patched requesters/Asl

Asl

Asl currently contains three requesters. These are a file, a font and a screen mode requester (only in OS 2.1 or higher). If the Asl patches are installed, then the font and the screen mode requester patches are optional.

Some of the features in the Asl font and screen mode requesters doesn't exist in the ReqTools requesters `$^1$`. When any of these features are used the patch will automatically use the original requester instead. Thus, you can have the "Asl font requester" and "Asl screen mode requester" patch flags on without losing any functionality (see

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The prefs editor/Main window).

Currently it isn't possible to select "no font" (i.e. clear the font name gadget and select ok) in the font requester, as one can do in the Asl font requester. Because of this, a special font called " no font" is included (the leading space is there to try to get the font at the top of the list). It is a very small font, and if that one is selected, ReqChange will interpret it as if no font at all was selected. Maybe not the most elegant solution, but it works! :) If a new version of ReqTools is released that supports the "no font" selection somehow, ReqChange will be updated to use this feature instead.

-- Footnotes --

^1\$ The ReqTools font requester doesn't allow you to select color(s) and draw mode for the text, and the screen mode requester can't show a custom screen mode list

## 1.16 ReqChange.guide/Patched requesters/Arp

Arp

There is only one requester in Arp, and that is a file requester. Not all features of this requester can be emulated, but since these features are very seldom used (in my experience at least. I've heard of one program that use any of these features), this patch will not fall back to the original when needed. If this is a problem for you, you can always send me a note, or use the exception list.

Note: If you have a 68030 CPU (or better), there is a function in Arp that doesn't work that well, and that is ArpExit(). It seems like earlier versions of ReqChange somehow managed to make ArpExit() to work (at least on my 68040 Amiga), if a patched requester was called just before ArpExit(). Since this isn't the case any more (and I haven't the foggiest idea why! :) ReqChange will replace the ArpExit() function with one that should work better ^1\$. This should also make programs like e.g. Move (one of the Arp commands) to work better.

-- Footnotes --

^1\$ Technical note: it is basically the original function with a call to CacheClearU() added at a suitable place.

## 1.17 ReqChange.guide/Patched requesters/Req

Req

This is the big one. Req contains most of the requester ReqTools does. Thus, rather many functions are patched. Here is a list of all requesters patched:

TextRequest()

This is a text requester, similar to AutoRequest()/EasyRequest() in Intuition (see Patched requesters/Intuition). All features are supported, including the timeout and the waitmask.

ReqFileRequest()

This is a combined file and font requester. There is only one thing one need to think about when using this one: The original requester have a (configurable) limit on the number of files one can multiselect (if this is enabled). ReqTools doesn't have any such limitation, so you may select as many as you can/like. ReqChange will then only use as many as the limitation says, and will ignore the rest of the files. This isn't really a problem, but it can be useful to know.

GetString()

A simple string requester.

GetLong()

An integer requester.

ColorRequester()

A palette requester.

## 1.18 ReqChange.guide/Patched requesters/ReqTools

All requesters in ReqTools are patched. The patches doesn't really do much, they simply add the ReqChange preferences settings and the ARexx-messages.

Anyway, here is a list over the functions patched, along some details (if any) about them:

rtEZRequest()

This is the text requester. In some cases the return code (or timeout) from ARexx-messages will be ignored.

rtFileRequest()

A file requester.

rtFontRequest()

A font requester.

rtScreenModeRequest()

A screen mode requester.

rtGetLong()

An integer requester.

rtGetString()

A string requester.

rtPaletteRequest()

A palette requester.

---



## 1.19 ReqChange.guide/The AssignWedge

### The AssignWedge

Some of you may have seen the program AssignWedge (or maybe AssignX, the original program). This program improves the (in)famous "Please insert volume" requester. What AssignWedge does is to add a few gadgets to the normal "Retry" and "Cancel" gadgets, so that you can do something about it, without having to use a Shell or something like that. ReqChange have an AssignWedge like this builtin (but a somewhat better version).

The following gadgets are added to the "Please insert volume" requester:

#### Mount

This gadget will try to mount the volume in question. This requires C:Mount to be available. If there is no suitable entry in your Devs:MountList file or in the drawer Sys:Storage/DosDrivers \$^1\$, this will ofcourse fail. Useful for seldom used units like Rad: or Pc0:. If the mount fails, the requester will re-appear.

#### Assign...

This gadget shows a file requester, where you can select a drawer or a file that the volume name should be assigned to. If the assign fails (maybe you entered a file/drawer that doesn't exist), the requester will re-appear.

Note: In the requester there is a filename field. This is needed, since an assign can refer to a file, not only a drawer.

#### Deny

This will make ReqChange remember the volume name on a list (the so called deny list) and the next time a requester for this volume is about to appear, ReqChange will automatically cancel the requester before it is shown. The name of the program is also recorded. Thus, by default other programs requesting this volume will not be denied (this feature requires a keyfile).

The deny list can be edited and saved, using the Edit window and the Deny window in The prefs editor.

-- Footnotes --

\$^1\$ This only applies if you have OS 2.1 or better.

## 1.20 ReqChange.guide/ARexx messages

### ARexx messages

ReqChange have one powerful feature, and it is the ability to send an ARexx message when a certain requester appears. This allows you to e.g. add sound effects to your requesters, like ARQ does. But you can add a lot more if you like. One thing could be to start e.g DiskSalv each time a requester indicating a disk is corrupt is shown. Or it could be to try to reboot the

computer if a "Task held" requester appears. Anything that can be done via ARexx.

Earlier versions of ReqChange could only send ARexx messages like this for the text requesters, much like ARQ does. But as of ReqChange 3.0, you can send a message when any of the patched requesters appears.

To be able to send different messages from different requesters, you can specify the following requester attributes:

#### Requester type

The requester must be of this type for a match. You may also specify 'Any', which will match on all requesters.

#### Title

The title of the requester (i.e. the window title) must contain a certain string. Case is ignored when checking. If not specified, the requester title is ignored.

#### Body

This attribute is only used for the text requester and the string/number input requesters (or if you have set the requester type to 'Any'. Note that the string/integer requesters not always have a body). The body text must contain a certain string. Case is ignored when checking. If not specified, the body text is ignored. If the requester that is about to open doesn't have any body text, this string is ignored.

#### Program

The calling program must have a certain name. Case is ignored when checking. If not specified, the program name is ignored.

These attributes, together with a name `^[^$]`, a message and a timeout (in seconds), are stored in a REXXnode. All nodes are placed in the REXX list, and you may edit the list and the nodes, using the Edit window and the REXX window in The prefs editor.

The message is a so called string file macro. This means that the command is executed like it was executed using a command line looking like:

```
Rx "say 'This is a string file macro'"
```

I.e. the string after the Rx command is the string file macro.

When a requester is about to appear, ReqChange will search through the REXX list (from top to bottom), and as soon a node that matches the current requester is found, the corresponding ARexx message is sent. Thus, specific nodes should be placed near the top of the list, and more general ones near the bottom.

When the message returns, the return code from the message will be checked (unless there was any error), and an automatic gadget selection may occur for text requesters. The return value specifies which gadget to select: '-1' equals the rightmost gadget (usually cancel), '1' equals the leftmost gadget, '2' equals the next one, and so on. If the return doesn't match any gadget, the requester will appear.

---

Example: Lets say we have a requester that contains the gadgets "Quit", "Save, then quit" and "Cancel". That means that a return of 1 equals "Quit", 2 equals "Save, then quit", and finally, -1 equals "Cancel".

A word of warning: This auto gadget selection can cause a deadlock situation (eating up a lot of CPU time) if you aren't careful. An example: A "No disk present" requester is set to return 1. The OS tries to open a requester telling you to insert a disk, while the message tells the OS to retry, instead of opening the requester. The only way to get out of this loop is to insert a disk.

If a timeout is specified (i.e., the value is non-zero), then the automatic gadget selection will not prevent the requester from opening. Rather, the selection will only be used if the timeout expires. This is useful for unattended Amigas (such as BBS:es). If you are around, then you get a chance to do something about the requester, but if you're not around to respond to the requester in a reasonable time, then ReqChange will handle the selection for you. A keyfile is required to use this feature.

The fact that ReqChange waits until the message returns means you may need to e.g. Run a program you start, and that you should avoid doing things that may take some time to complete. To make an ARexx macro run asynchronously, you'll need to write something like this in the command:

```
ADDRESS COMMAND "Run Rx <Macro filename>"
```

-- Footnotes --

\$^1\$ This name field is ignored by ReqChange. It is included so that you can enter something descriptive, to make it easy to see what a REXXnode does. This field is what you see in the list.

## 1.21 ReqChange.guide/Excepted programs

Excepted programs

In some cases there might be a problem with the patches ReqChange installs. If so, that program can be excepted from patching. In The Prefs editor, such programs can be entered via the Except window (opened from the Edit window). ReqChange will try to get a name for a given process, so that it will be the same, regardless if it was started from the Workbench or the Shell.

Hopefully, this feature won't be needed much. But if you do need it, please tell me if you use it because of something you consider to be a problem with ReqChange, so that I can fix it.

## 1.22 ReqChange.guide/The prefs editor

The prefs editor

---

The prefs editor allows you to customize the behaviour of the patches, which libraries to patch, etc. You can also edit the lists that holds information about what message to send from certain requesters (see ARexx messages) and which volumes that always should be denied (see The AssignWedge), and if some programs shouldn't use the patches (see Excepted programs). You may also install, update or remove the patches (see Main window menus/Patches).

All changes you do have immediate effect, so you don't need to exit the editor to try them.

Arguments	Command line arguments and tooltypes.
Main window	The gadgets in the main window.
Main window menus	The menus in the main window.
Edit window	The gadgets in the edit window.
Edit window menus	The menus in the edit window.
Deny window	The gadgets in the deny window.
Rexx window	The gadgets in the Rexx window.
Except window	The gadgets in the except window.
Program window	The gadgets in the program window.

Pressing the HELP key will open an AmigaGuide® window with help (for the currently active window), if you have AmigaGuide® installed, and placed the file ReqChange.guide somewhere in the AmigaGuide® search path (this is either the same directory as you have the prefs editor, or any of the drawers specified in the AmigaGuide/Path environment variable). You can also press HELP when you're in a menu, to get help about the current menu.

The F1 key will zip/unzip the window, and cursor left and cursor right will activate the "previous" and "next" window, respectively.

As ReqChange is implemented as a library, the program ReqChangeCX need to be started in order for ReqChange to notice "external" changes to the preferences file (e.g. a copy). If ReqChangeCX isn't running, such a copy will be ignored. In that case, use the prefs editor argument USE in combination with the FROM argument do something like this (see Arguments).

Any version of the prefs editor should work with any version of reqchange.library (and vice versa ofcourse. However, sometimes a new version of the preference editor might require a new function in the library). You maybe won't be able to edit all things, or all gadgets maybe doesn't have any effect, but these should be the only problems. The interface between the prefs editor and the library have been designed to eliminate compatibility problems.

## 1.23 ReqChange.guide/The prefs editor/Arguments

### Arguments

The preferences editor have the following template. The arguments can be specified on the command line, or as tooltypes in the icon:

```
FROM/M, EDIT/S, USE/S, SAVE/S, PUBSCREEN/K
```

```
FROM
```

Here you can specify a preferences file to load into the preferences editor. Unlike the normal preferences editors, you can enter several files here (space separated). You can't use patterns though. ReqChange will check what type of file it is `^1$`, and if it indeed is a valid ReqChange preferences file, it will be loaded before any window is opened. If you enter several files of the same kind, only the last one will have any effect.

#### EDIT

Normally, when either USE or SAVE (see below) have been used, the editor will not open its window. This switch will make it open the window anyway.

#### SAVE

If this option is specified, the editor will save the current configuration to `EnvArc:ReqChange`, just as if you had selected the "Save" gadget in the Main window. The main window will not be opened. If any FROM files are specified, they will be read first.

#### USE

If this option is specified, the editor will save the current configuration to `Env:ReqChange`, just as if you had selected the "Use" gadget in the Main window. The main window will not be opened. If any FROM files are specified, they will be read first.

#### PUBSCREEN

This argument lets you specify which public screen the windows should open on. If the screen couldn't be found, they will open on the default public screen (which also happens if you don't specify any name). Please note that this name is case sensitive om du har OS 2.04 eller 2.1.

-- Footnotes --

`^1$` There are four different preferences files: The main configuration file (`ReqChange.prefs`), the denylist file (`Deny.prefs`), the REXXlist file (`REXX.prefs`), and the exception file (`Except.prefs`).

## 1.24 ReqChange.guide/The prefs editor/Main window

### Main window

This window contains general flags for the patches, and the settings for the different requester types. The settings of the gadgets and menu items are saved in a separate file (called the main preferences file). The following gadgets exists:

#### Asl font requester

If this gadget is checked, it means that the Asl font requester will be patched. You don't need to clear the checkmark in this gadget in order to be able to select e.g. different colors in the Font preferences program, since ReqChange automatically will use the original font requester when needed.

#### Asl screen mode requester

If this gadget is checked, it means that the Asl screen mode requester will be patched. If an unsupported feature is used (currently the "custom screen mode list"), then ReqChange will automatically use the original screenmode requester.

#### AssignWedge

If this gadget is checked, it means that The AssignWedge is activated. This means that when a "Volume requester" is displayed, there will be three extra gadgets, allowing you to mount the volume, enter an assign, or deny this volume name.

#### ARQ mode

If this gadget is checked, it means that all text requester patches (and the requesters the prefs editor opens) will use the text requester function in Intuition. This way, another text requester patcher may be used instead (e.g. ARQ), while still having the AssignWedge feature available. If you use this feature, remember that the other patcher should be started before ReqChange is started.

You can use the ARexx messages for these requesters, even if this gadget is checked, but the timeout will be ignored. This is due to ARQ, and there's nothing I can do about it at the moment.

Note: The Intuition patches must be enabled for this to work.

Also, not all text requesters will be "passed on" to the other patcher. If this happens, then it is due to things that the original Intuition function can't handle.

#### Keys

If this gadget is checked, you can use the keyboard to select the gadgets in the text requesters. Please refer to the ReqTools documentation for more information about these keys.

As of ReqChange version 3.6, this gadget will also activate an automatic shortcut selector. Thus, you are not limited to only select the leftmost and the rightmost gadget. Each gadget that have an underlined char can be activated from the keyboard. Note that in some rare cases, all gadgets may not get a shortcut. This could perhaps be fixed for some of these rare cases, but at the cost of some extra code (and execution time), and I didn't consider it worth it.

A keyfile is needed for the automatic shortcut selector to work.

#### Remove keys

If this gadget is checked, then the ReqTools text requesters will not have any shortcuts at all, except for Esc and maybe the function keys (if enabled in the ReqTools preferences editor). This will ofcourse only happens if the ReqTools patches are enabled.

#### Center text

If this gadget is checked, the body text in the text requesters will be centered. This often makes the requester look better.

---

Sometimes this centering will be disabled, if a requester have centering "by hand". The current algorithm for this is fairly simple: If a line starts with a space, then the centering is disabled! ;) Please remember that this doesn't fix all cases. Proportional fonts in the requester will also cause "troubles". Use a fixed-width font, and the requester should look good.

#### Buffer

If this gadget is checked, ReqChange will try to buffer the filelist in the different file requester patches. In some cases this isn't possible (the Arp requester can't be buffered, while some of the Req and Asl file requesters' can be. It depends on the calling program), but when possible, it means that the requester remembers all shown files from the previous call. This uses a little memory, but removes the directory-reading time. This is especially useful when you are using floppies, and you don't use the new DirCache filesystem that exist in OS 3.0 and higher.

#### Requester type

This gadget specifies which requester type you currently are editing the settings for. All gadgets within the "double" border applies to the requester specific settings.

#### Center mode

This gadget specifies the center mode to use for the current requester type. There are several possible center modes, but most of them should be rather obvious. A few comments are in place though:

'Normal' makes the requester center as they normally would have done if the patch wasn't installed.

'Default' causes ReqChange to use the current default as set in the ReqTools preferences editor.

The other ones does what the name implies. However, window-relative options may not always behave like expected. In some cases, ReqTools can't find any window to be relative to, and if so, the requester will be centered relative to the screen instead. Also, the window may not always be the one you expect. Thus the centering can be a bit odd sometimes. Mostly it should work fine though.

#### Offset

For the 'Top left ...' centering modes you can also specify an offset, using the Offset gadgets. The leftmost gadget holds the 'Left' offset, and the rightmost holds the 'Top' offset.

These gadgets can be disabled, depending on which center mode you are using. Also, if the Default gadget is checked, these gadgets will be disabled.

#### Default

If this gadget is checked, the offset set in the ReqTools preferences will be used. Otherwise the offset in the Offset gadgets will be used.

This gadget can be disabled, depending on which center mode you are

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using.

Default height

If this gadget is checked, the requesters that can be resized will have the default height, as set in the ReqTools preferences. Otherwise they will have the height the calling program requested.

Pop screen

If this gadget is checked, then ReqTools will pop the screen a requester appears on. This is similar to the ReqTools option, but here you can specify it on a requester type basis, instead of a single global option.

Backfill

This gadget only applies to the string and integer requesters. If checked, the requester will have a background pattern, like the one used in the text requester. Otherwise the background will be blank (using the current background color).

ARexx messages

If this gadget is checked, the ARexx messages for this requester type will be enabled. Otherwise no messages will be sent when a requester of this type appears.

Font

This gadget opens up a font requester, that allows you to choose a font that will be used in the requesters. If no font is specified, the current screen font will be used.

Note: ReqChange will not issue any warning if a font can't be opened during library init (i.e. when the library is loaded into memory, either by StartRC or The prefs editor).

Save

This gadget saves the main window settings for permanent use. The lists (in the Edit window) will be restored if needed.

Use

This gadget saves the main window settings. Any changes will be lost when you reboot or turn of your computer. The lists will be restored if needed.

Cancel

This gadget undoes any changes you have done to the main window settings, and exits. Any changes done to the lists are not affected. The lists will be restored if needed.

## 1.25 ReqChange.guide/The prefs editor/Main window menus

Main window menus

The main window have the following menus:

Project	File operations, etc.
Edit	Different edit functions.



Patches     Control the patches.  
Options     Options.

## 1.26 ReqChange.guide/The prefs editor/Main window menus/Project

### Project

#### Open...

This menu item allows you to select a previously saved main preferences file to use. You can only load a valid preferences file.

#### Save as...

This menu item allows you to save the current main preferences to a file of your choice.

#### About...

This menu item shows a requester with some information about the program and the patches. You can see if the patches are installed, how many of the patches that were active when you selected this menu item, and the number of allocated requesters.

#### Quit

This menu item quits the preferences editor. Works like the "Cancel" gadget in the Main window.

## 1.27 ReqChange.guide/The prefs editor/Main window menus/Edit

### Edit

#### Lists...

This menu item opens the list editor window, where you can edit the deny, REXX and exception list. If the window already is open, it will be unzoomed if needed, activated, and then brought to the front.

#### Defaults

This menu item sets the main settings to the builtin defaults (note: these defaults are stored in the library, and not in the editor).

#### Last saved

This menu item reloads the last saved main preferences file (saved with the "Save" gadget in the main window).

#### Restore

This menu item restores the main settings to the state they were in when the editor was started.

## 1.28 ReqChange.guide/The prefs editor/Main window menus/Patches

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## Patches

### Active

If this menu item is checked, then the patches are active. If not, the patches will remain installed, but in an inactive state. The state of this menu item can be changed with Commodities Exchange, if the ReqChangeCX program is running. Please note that changing the state of this menu item will not affect the state in ReqChangeCX (or rather, Commodities Exchange).

### Intuition

If this menu item is checked, it means that the Intuition patches are enabled. If you change the state of it, ReqChange will try to install/remove the patches as needed. If it isn't possible to remove the patches, they will remain in a disabled state, so that you won't notice them. See Patched requesters/Intuition.

### Asl

If this menu item is checked, it means that the Asl patches are enabled. If you change the state of it, ReqChange will try to install/remove the patches as needed. If it isn't possible to remove the patches, they will remain in a disabled state, so that you won't notice them. See Patched requesters/Asl.

Note however: If you install the patches, the currently running programs may or may not use the new ReqTools requesters. This depends on the program (technical note: if they keep a requester structure allocated or not). If you want them to use ReqTools directly, quit and restart the programs, and they should now use ReqTools.

So some of you says: "But can't the same thing happen when I try to remove the patches?" No, it can't, since ReqChange have the ability to fall back to the original Asl function when needed.

### Arp

If this menu item is checked, it means that the Arp patches are enabled. If you change the state of it, ReqChange will try to install/remove the patches as needed. If it isn't possible to remove the patches, they will remain in a disabled state, so that you won't notice them. See Patched requesters/Arp.

### Req

If this menu item is checked, it means that the Req patches are enabled. If you change the state of it, ReqChange will try to install/remove the patches as needed. If it isn't possible to remove the patches, they will remain in a disabled state, so that you won't notice them. See Patched requesters/Req.

### ReqTools

If this menu item is checked, it means that the ReqTools patches are enabled. If you change the state of it, ReqChange will try to install/remove the patches as needed. If it isn't possible to remove the patches, they will remain in a disabled state, so that you won't notice them. See Patched requesters/ReqTools.

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#### Update

This menu item will try to update the patches so that they reflect the current settings in this menu. What this means is that ReqChange will try to install/remove any patches that need to be.

Each time you alter the state of any of the patch checkmarks in this menu, such an update will be performed, so you'll probably not need this one that often.

#### Install...

This menu item will install the patches. If the patches already are installed, you will be informed about it.

#### Remove...

This menu item will try to remove all patches. If this isn't possible, you'll be asked if all patches should be disabled or not. If so, the Active menu item above will be checked. See StartRC for more information about the problems in removing patches.

## 1.29 ReqChange.guide/The prefs editor/Main window menus/Options

### Options

#### Create icons

If this menu item is checked, ReqChange will write an icon together with all main preferences files that are saved using Project/Save as... (see Project).

## 1.30 ReqChange.guide/The prefs editor/Edit window

### Edit window

In this window you can edit the three different lists, the deny list, the REXX list and the except list. Each list is saved in a separate file. These lists are not affected by anything you do in the main window (except for the gadgets that can exit the editor, which will close this window, and restore the lists from Env:ReqChange), and the main window is not affected by anything you do here.

The following gadgets exists:

#### List type

This gadget lets you choose which list to edit. There are currently three lists you can edit, the deny list, the REXX list and the exception list.

#### List contents

This gadget shows the contents of the current list. Use the arrow gadgets or the drag-bar to move around in the list. Select an entry (a node) by clicking on it. A double-click will open a window that allows you to edit that node. See Deny window, REXX window and

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Except window.

Add...

This gadget opens an empty node-edit window so that you can enter a new one.

Delete...

This gadget deletes the currently selected node.

Edit...

This gadget opens a node-edit window allowing you to edit the currently selected node.

Sort

This gadget sorts the nodes in the current list in alphabetical order.

Up

This gadget moves the current node up one step in the list.

Down

This gadget moves the current node down one step in the list.

Save

This gadget saves the lists for permanent use, and closes the edit window.

Use

This gadget saves the lists, and closes the edit window. Any changes will be lost when you reboot or turn off your computer.

Cancel

This gadget closes the window. ReqChange will try to restore the lists (by reading from Env:ReqChange/) to the way they were when you opened the edit window.

## 1.31 ReqChange.guide/The prefs editor/Edit window menus

Edit window menus

The edit window have the following menus:

Project	File operations, etc.
Edit	Different edit functions.
Options	Options.

## 1.32 ReqChange.guide/The prefs editor/Edit window menus/Project

Project

Open...

This menu item will allow you to select a list to load. The current

---

list will be deleted, but only if the file is of suitable type. You must select a file of the same type as specified in list type gadget.

Append...

This menu item allows you to select a list to load. The current list will not be deleted. You must select a file of the same type as specified in the list type gadget. The new nodes are added to the end of the list, and no check for duplicates is done.

Save as...

This menu item allows you to save the current list to a file of your choice. If you specify a name that already exists, no warning is issued, and the file will be deleted if there is an error during the saving.

About...

This menu item opens the About requester, as in the main window menus. See Main window menus/Project.

Quit...

This menu item closes the edit window, like the "Cancel" gadget in the Edit window.

### 1.33 ReqChange.guide/The prefs editor/Edit window menus/Edit

Edit

Clear list...

This menu item will delete the currently displayed list.

Last saved

This menu item allows you to load the last saved list of the current type, saved using the "Save" gadget (see Edit window). The old list will be replaced. Use "Append..." to append the last saved list (see Project).

Restore

This menu item will try to restore the currently selected list (by reading from Env:ReqChange/) to the way they were when the editor window was opened.

### 1.34 ReqChange.guide/The prefs editor/Edit window menus/Options

Options

Create icons

If this menu item is checked, ReqChange will write an icon together with all list files that are saved using Project/Save as... (see Project). This menu item does not affect the "Create icons" option in the Main window menus.

---

## 1.35 ReqChange.guide/The prefs editor/Deny window

### Deny window

This window allows you to enter/edit a deny node. A deny node is a very simple one. It simply contains the name of the volume to deny, and optionally the name of the program for which program this volume is denied. The volume name is shown in the listview gadget.

The following gadgets exists:

#### Deny name

In this gadget you specify the name of the volume that should be denied. Do not enter any colon (':'). E.g., to deny the volume 'DF9:' (which normally doesn't exist! :) you should thus enter 'DF9'. You must enter something here. An empty string, or a string that only consists of spaces is not allowed.

#### Program

This gadget allows you to enter the name of the program for which the volume should be denied. If the name doesn't match, the volume will not be disabled. If this gadget is empty, the no name check is done. If you press Shift-down, then the Program window will appear.

The name can be up to 500 chars long.

You need a keyfile in order to be able to edit this field.

#### Popup gadget

This gadget (which contains a small arrow-down image) opens the Program window. It contains a list of all the programs currently running, with the name as ReqChange sees them. The program you select will be entered into the Program gadget above.

#### Ok

This gadget accepts the string as it is, and uses that name in the new/changed node.

#### Cancel

This gadget closes the window, and the list/node is left unchanged.

## 1.36 ReqChange.guide/The prefs editor/Rexx window

### Rexx window

This window allows you to enter/edit a Rexxnode. A Rexxnode contains several fields so that you can specify exactly which requesters that should have a certain ARexx message associated with them.

The following gadgets exists:

#### Name

This gadget allows you to enter a name for the node. Since there

isn't really any field that is suitable to use for identifying a node (and to place in the listview gadget), you have this one, where you can enter a name of your own choice for the node. You must enter something here. An empty string, or a string that only consists of spaces is not accepted. Since this field is for you only, why not enter something that makes it easier for you to see what kind of requester the node matches?

The name can be up to 500 chars long.

#### Requester type

This gadget allows you to select a requester type to match on. Only if the requester is of the specified type, a message can be sent for the requester. 'Any' matches any requester.

#### Title

This gadget allows you to enter a string that the title must contain. If empty, the title of the requester is ignored.

The string can be up to 500 chars long.

#### Body

This gadget allows you to enter a string that the body must contain. If empty, the body of the requester is ignored. You can enter a string when the "Requester type" gadget is set to 'Any', 'Text', 'String' or 'Integer', as these are the only cases when there is a body to compare with (although string and integer requesters doesn't have a body that often).

The string can be up to 500 chars long.

#### Program

This gadget allows you to enter the name of the program that called for the requester. If the name doesn't match, no message will be sent. If this gadget is empty, the no name check is done. If you press Shift-down, then the Program window will appear.

The name can be up to 500 chars long.

#### Popup gadget

This gadget (which contains a small arrow-down image) opens the Program window. It contains a list of all the programs currently running, with the name as ReqChange sees them. The program you select will be entered into the Program gadget above.

#### Timeout

This gadget allows you to enter a timeout for the return code from the message that is sent to ARexx. See ARexx messages for more information.

You need a keyfile in order to be able to edit this field.

<

This gadget decreases the timeout by 5 (but it will not go below zero).

>

This gadget increases the timeout by 5.

---

#### Command

This gadget allows you to enter the command that should be sent to ARexx if a requester matches this node. You must enter something. An empty string, or a string that only contains spaces isn't accepted. See ARexx messages for more information.

The command can be up to 500 chars long.

#### Ok

This gadget accepts the REXXnode as it is, and places puts the new/changed node in the list.

#### Cancel

This gadget cancels the window, and the node/list is left unchanged.

## 1.37 ReqChange.guide/The prefs editor/Except window

### Except window

This window allows you to enter/edit an exceptnode. An exceptnode only contains the name of the program that should be excepted from patching.

The following gadgets exists:

#### Program

This gadget allows you to enter the name of the program to except. If you press Shift-down, the Program window will appear. The program name can be up to 500 chars long.

#### Popup gadget

This gadget (which contains a small arrow-down image) opens the Program window. It contains a list of all the programs currently running, with the name as ReqChange sees them. The program you select will be entered into the Program gadget above.

#### Ok

This gadget accepts the exceptnode as it is, and places puts the new/changed node in the list.

#### Cancel

This gadget cancels the window, and the list/node is left unchanged.

## 1.38 ReqChange.guide/The prefs editor/Program window

### Program window

This window allows you to select a program, which name will be entered in the Program gadget in the Deny window, in the REXX window or the Except window.

The following gadgets exists:

---



#### List contents

This shows the names of all programs that were running when the window opened. Use the arrow gadgets or the drag-bar to move around in the list. Select a program by clicking on it. A double-click will select the program, and close the Program window.

Technical note: ReqChange tries to get the "real" name of the program, which not always match the name e.g. Exec thinks it has. This is needed since the Exec name usually depends on how the program was started, and this shouldn't make any difference in this list. And mostly it doesn't. I don't know if the method used here is perfect, but it seems to be rather good at least.. :)

Note: This list is normally sorted, but it might not be, if the sort function failed (due to out of memory).

#### Ok

This gadget accepts the current program, closes the window, and enters the program name into the proper gadget (overwriting any old program name).

#### Cancel

This gadget closes the window, but it leaves the gadget unchanged.

## 1.39 ReqChange.guide/StartRC

### StartRC

StartRC is a small program used to start or stop ReqChange. It simply loads reqchange.library (if needed) and tells it to install or remove the patches (see The prefs editor/Main window menus/Patches).

If ReqChange already is installed when StartRC is started ( :), it will ask you if the patches should be removed.

The patches can't always be removed. If some other program have "patched over" ReqChange's patches (and a program like SetMan isn't installed), there is no way for ReqChange to exit safely, and thus, it won't be done. Also, if there are some allocated requesters around, ReqChange can't be removed either, since these requesters must be freed first, and the original functions can't do that. And ofcourse, ReqChange can't exit if some patch is active (e.g. a requester window is open).

When the patches are removed, the library will be removed from memory whenever the system needs the memory for other things (assuming no one else is using reqchange.library, like The prefs editor).

Note: Removing patches is never a completely safe operation. One can only try to make it as safe as possible (well, there is a safe way, and that is to never unload the patches from memory. But that isn't a good solution either), and hope for the best. :) Normally, there shouldn't be any problems though. Especially since ReqChange (normally) doesn't unload the patches immediately, the risk of something going wrong here is very low (especially since we mainly patch requester functions. Requesters usually

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don't pop up "out of the blue", they are usually a result of an action from the user).

StartRC can be started from both the Workbench and the Shell.

Note for OS 2.1+ users: Since both The prefs editor, StartRC and ReqChangeCX use the same catalog file, you will either need to have several copies of reqchange.catalog, or place one copy of it in Locale:Catalogs/<language> (where "<language>" is the language you have selected in the Locale preferences editor).

## 1.40 ReqChange.guide/ReqChangeCX

ReqChangeCX

ReqChangeCX is a commodity that offer the following features:

- An easy way to disable ReqChange, without starting the preferences editor.

- A hotkey to start the preferences editor.

- File notification of the preferences files, if possible. This means that ReqChange will notice changes to the preferences file automatically. The prefs editor as such doesn't need this feature.

Note that the "Remove" button in Commodities Exchange will only stop the commodity (and the preferences editor, if active). The patches will not be removed. Use the preferences editor or StartRC for this.

To configure ReqChangeCX, the following tooltypes/arguments are available:

CX\_POPUP

If "YES" (or "ON"), then the preferences editor will be started when ReqChangeCX is started. If "NO" (or "OFF"), then the preferences editor will not be started. Default is "ON".

CX\_POPKEY

The input description string for the hotkey to start the preferences editor with. Default is "control lalt r".

CX\_PRIORITY

The priority for the CX\_POPKEY. Default is 0.

PREFSPATH

The full path to the preferences editor. Default is "Sys:Prefs/ReqChange". This tooltype is set during the installation. Thus, you should only need to alter this tooltype if you move or rename the preferences editor.

## 1.41 ReqChange.guide/Known problems

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## Known problems

Although I do what I can to get a bug-free program, there are bound to be bugs left. Most of them are currently unknown though.. :) However, I have got a few reports about things that I have been unable to reproduce, perhaps due to lack of information. Anyway, here is a list over those reported problems that I've been unable to do something about:

ReqChange is slow

Never got any really useful information. Attempts to reproduce the problem failed.

It should be noted that one of the new features in ReqChange 3.6 makes the library startup a bit slower. You'll probably only notice this on "slow" Amigas (e.g. unaccelerated A500). This initial slowdown will on the other hand make the automatic shortcut selection faster.

Programs that use the Arp requester crash when they exit  
Not reproducible.

MFR patches interfere with ReqChange  
Not reproducible.

Known workaround: Try the following tooltypes in MFR:

```
PATCHREQ=OFF
PATCHASL=OFF
PATCHREQTL=ON
```

And perhaps these too, to make the requester look a little better:

```
OVRDIM=ON
DEFWIDTH=474
DEFHEIGHT=212
```

If you experience any of these problems, please tell me. The more information I get about the problem(s), the greater chance that I'll be able to find (and fix) it.

It should be noted that I might have fixed some of these problems without knowing it! :)

Flame mode on \$^1\$

If you have seen the program MultiCX, you may have seen this text:

Do NOT use ReqChange, because every version has serious bugs and trashes several OS functions! Simply use RTPatch instead.

I would like to make a few comments regarding this.

First of all, when I asked the author of MultiCX (Martin Berndt) what he meant by this (he didn't care to tell me about it!), he said that ReqChange sometimes used incorrect texts in gadgets for text requesters. He didn't know exactly when this happened though. Since I hadn't heard

---

about this (or any details about it), nor noticed it myself, there wasn't much I could do about it at the time.

However, a while later, a ReqChange user reported a problem regarding this. He informed me about the details about the bug, and even included a source to reproduce the problem. It turned out that the gadget texts only was incorrect (but usually not "trash") for certain (nowdays relatively seldom used) requesters, when the ARQ mode flag was set.

With this information, it was a fairly quick matter of finding the bug and fixing it. The only problem Martin Berndt was able to actually mention have been fixed. Thus, the statement in the MultiCX manual isn't valid any more. (Btw, was it ever? I mean, "serious bugs", "trashes several OS functions"? Come on, only incorrect gadget texts in some cases, when using the ARQ mode!)

Secondly, it seems like the Martin Berndt dislikes patches, and similar "hack" programs, as several such programs are on his "dislike list". But this doesn't make sense.. His program is very similar. It patches several functions. Or does he imply that the other programs are buggy, while his is not? I don't know...

Third, ReqChange offers many more features than RTPatch. Thus, it maybe isn't that odd that ReqChange have a few more problems. Its a lot more code that can contain bugs. ;) Btw, before the 2.3 release of ReqTools, ReqChange was better than RTPatch for users of graphics cards. Certain functions replaced by the graphics card used more stack space, causing RTPatch/ReqTools to crash. As ReqChange always makes sure the stack is "large enough" (larger than what ReqTools used to do), the problem was actually "fixed" by ReqChange! ;)

Well, enough of this now.

Flame mode off

-- Footnotes --

^1\$ If you wonder about the term "flame", it basically means that this text is largely a matter of personal opinions, and is coloured by the authors feelings. It shouldn't be taken as hard facts (well, at least not here ;).

## 1.42 ReqChange.guide/Acknowledgements

### Acknowledgements

Thanks go to the following persons, for helping me with ReqChange in one way or another:

Nico Francois

For his great reqtools.library, the programming help, and the ideas "borrowed" from RTPatch.

Fredrik Orinius

For being the first one to send me a donation for ReqChange! And this was before ReqChange became Shareware.

Nicola Salmiora

For his SetPatch() function and the help with the "expunge problem".

Stefan Boberg

For the debugging help in some of the earlier versions.

Michael Berg

For the BOOPSI "getalt" gadget (i.e. the arrow down image).

Martin Huttenloher

For the nice MagicWB-icons in this archive.

Martin Taillefer

For the FixAG program (and for TurboText, which was used during the development).

The beta-testers (in random order)

Roger Andersson, Johan Billing, Michael Berg, Stefan Johannesdal, Stefan Zeiger, Per-Anders Josefsson, Markus Aalto, Lieven Lema, Stu Churchill, Roger Nordin, Nikolai Waldman, Mathias Karlsson, Dennis Björklund.

The translators (also in random order)

Michael Berg (Dansk); Stefan Zeiger (German); Markus Aalto (Soumi); Andrea Suatoni (Italiano); Mike Rooze and Marco Niese (Nederlands); Georges Goncalves (Français).

All of you who have sent me some sort of feedback on ReqChange.

Legal information largely stolen from the documentation to TrapDoor (the swedish translation of the legal information was largely stolen from the swedish translation of the documentation to Spot).

Icon inspiration from the icon to the ReqTools preferences program.

Spelling errors etc. in this manual by myself (hey, english is only my second language! I'm doing as good as I can! :)

Persons mentioned here by name doesn't need to send any shareware fee for using this program (contact me for details about how to get the keyfile). They have done enough already! :)

## 1.43 ReqChange.guide/The future

The future

Although I've implemented most things I found important in ReqChange, there are still things that might be implemented at some future date. And maybe you have some idea on how to improve this program? If so, please send me a letter, and I'll consider it. To give you some inspiration, here are some of the ideas that popped up during the development of this program:

---

A user specified width for the req.library/GetString() patch (user request actually). But were should I place this in the prefs editor? :)

Formating codes in the ARexx commands, so that e.g. the current title, requester type and body, can be inserted (could useful for the automatic gadget selection).

A possiblity to use special prefs (some or all) for selected requesters (similar to the ARexx-message selection).

A possiblity to change the programs priority when showing a requester, to get better response. To achieve something like this, you can install the shareware program Executive (by Petri Nordlund).

## 1.44 ReqChange.guide/Program history

Program history

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## 1.45 ReqChange.guide/Program history/Version 1.00-2.03

Version 1.00-2.03

Ancient history.

## 1.46 ReqChange.guide/Program history/Version 3.0

Version 3.0

This version is a complete rewrite from scratch!

All resident code is written in efficient assembler, and stored in a library.

Patch installation/removal code a lot smaller and a bit smarter. SetMan is no longer treated as a special case. Thanks to Nicola Salmiora for his

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SetPatch() function, which was used as a base when I rewrote the patch related code.

Stack swapper redesigned. Now uses `exec.library/SwapStack()`.

ARexx messages can now be sent from any requester, based on requester type and title (and/or body, for the text requester). These messages can be disabled for certain requester types, for maximum efficiency.

Centering modes, offsets, fonts etc. can be selected for each requester type.

Two new centering modes: 'Default' and 'Normal'. 'Default' will make ReqChange use whatever set in the ReqTools preferences editor, while 'Normal' will make the requesters appear where they normally would have if ReqChange wasn't installed (although the Asl patches won't remember their position between calls).

Prefs editor that allows you to modify the behaviour of ReqChange with a nice user interface, complete with keyboard shortcuts and online help. You can also edit the deny and Rexx list!

Complete support for Asl V38 (as complete as it can be, I hope). This includes the accept/reject patterns, the "dirpattern", all hooks & tags etc.

The Asl patches can now fall back to the original requester if the patches have been disabled or an unsupported feature is used. The code for this is fairly small, thanks to a new approach of handling tags.

Improved localization. Will now automatically adjust to any new language selected.

The `AutoRequest()/EasyRequest()` patch can now (optionally ofcourse) call the original function after the `AssignWedge`. I suspect some ARQ users will like this. ;)

Documentation completely rewritten in AmigaGuide® format.

Requires OS 2.0, and is OS 3.0 aware.

No longer a Commodity.

Patterns will only be converted if necessary (i.e. the WILDSTAR bit in `dos.library` is cleared).

Tested with Enforcer & MungWall (earlier versions were only MungWall tested).

Uses memory pools wherever possible. This reduces memory fragmentation.

Should handle text requesters with "manual" centering better.

Asl font requester patch is now optional.

Asl screenmode requester patch added (optional).

---

## 1.47 ReqChange.guide/Program history/Version 3.1

Version 3.1

Minor bugfix: Prefs files would have the wrong protection bits when saved. This update only reflects reqchange.library.

Made a few corrections to the manual (there were some references to non-existent sections).

## 1.48 ReqChange.guide/Program history/Version 3.2

Version 3.2

Fixed incorrect fido-address in this manual.

The ARexx-messages should now work without enforcer hits etc.

The ARexx-messages were not always sent when they should have been. Now this should work! :)

ARexx-messages may now be sent when an Asl patch calls the original requester.

Translations for French, Italian and Dutch added.

In the AssignWedge, the gadget "Assign..." will now default to the same drawer as the program resides in, if this is defined. Otherwise Ram: will be used as before.

Leftoffset and topoffset should be properly saved now. Also improved some other "related" code, to ensure no problems with newer OS versions (if there will be any :( ).

Fixed a bug in the library startup code. Also changed a message to be nonlocalized to make things a little simpler. If this message is to be shown, it isn't likely the catalog will load anyway! :)

Included a small JPEg (8 Kb), so you can see what I look like! :) Use e.g. PPShow (V4.0+), FastJPEG or ViewTek to view it.

Bug in the Asl screenmode requester fallback fixed (usually led to crashes. But not always).

Version 2.2b of ReqTools included.

## 1.49 ReqChange.guide/Program history/Version 3.3

Version 3.3

The initial value of the height gadget in the Asl screenmode requester was not correct.

---



The prefs editor will now close the `workbench.library` before exiting.

The prefs editor will now unlock its lock on the Workbench screen properly (it makes the lock to see if the prefs editor is on the Workbench screen, and if so, activates the `AppWindow` support).

Various bugs/(layout) quirks in the prefs editor GUI code fixed, code optimized a bit, etc.

Enforcer hit in the prefs editor during Workbench start and the icon didn't have any tooltypes removed.

In the "Assign..." requester, any assigns relative to a programs home directory (i.e. when the requester opens in the home directory) was incorrectly made.

The `Req/GetLong()` patch didn't fall back properly.

Programs requesting pen selection in the Asl font requester would never get a requester on OS 3.1+. A few default values weren't properly set, causing the requester to fail.

A couple of other defaults weren't properly set, causing e.g. `WSpeed` to crash, when showing an Asl screenmode requester. Was this caused by a `ReqTools` bug as well? :)

Exception list added. A program in this list will always use the original functions.

Program name field added to the `Rexxnode`. Don't worry, old prefs files can still be read.

Automatic gadget selection added (for text requesters only). Done via the return code from `ARexx` messages.

In string gadgets in the prefs editor, shortcuts can now be selected by pressing right amiga together the key in question. Because of that (and some persons - including me - have `StringClip` installed), the shortcut for cancel was changed from `c` to `a` (in the english translation ofcourse).

A few minor improvements/bug fixes in the library.

The prefs editor now handles larger than normal window gadgets (if `SysIHack` is installed, this may be the case. If you are interested in how this is done, check the file called `Source/BottomBorder.c` in the distribution archive).

The install script now automatically installs `MagicWB-icons` if `MagicWB` version 2.0 or higher is installed.

The prefs editor now checks for the icon `def_PREF.info` (instead of `def_PREFS.info`) in the drawers `Env:ReqChange` and `Env:Sys` when saving preferences files. This way, e.g. the `MagicWB` preset icon will be used, if present.

---

## 1.50 ReqChange.guide/Program history/Version 3.4

Version 3.4

The "Only AssignWedge" option didn't work too well. Incorrect ARexx-messages were sent (possibly causing Enforcer hits), and the AssignWedge wasn't activated at all.

Changed behaviour of StartRC a little. If started when ReqChange is installed, and all patches are inactive, then the patches will be activated again (instead of a requester popping up asking if you would like to remove the patches).

Did some minor changes to the prefs load/save routines, to prevent any problems with virtual memory systems (such as VMM).

The AssignWedge code trashed the current process' window pointer (pr\_WindowPtr). I discovered the problem while looking at the code, so I never experienced any problems.. Strange.. :)

The flag "Only AssignWedge" have been renamed into "ARQ mode". If enabled, all text requesters opened by ReqChange will use the requester in Intuition instead, if possible (so that e.g. ARQ can be used instead). ARexx-messages will work for these requesters as well (Note to all translators: I have changed the string for MSG\_ONLYASSIGN\_GAD to "ARQ". Please send me any modification for this, if needed).

Did some other minor changes in the prefs editor.

Programs in the program list that have "high ASCII" in their names could get the wrong name.

## 1.51 ReqChange.guide/Program history/Version 3.5

Version 3.5 (Library version: 4.2)

reqchange.library crashed when trying to read a main preferences that didn't exist (didn't try the new "VM-compatible" code that much.. :)

If you managed to doubleclick an item twice in the listwindow, the edit window in question would be opened twice.

A few Enforcer hits (that didn't always occur) when the prefs editor was started have been removed.

Sending an ARexx-message for a text requester with only one gadget caused the requester to be cancelled (by the auto gadget selection).

Pressing Left Amiga + <key>, where <key> doesn't correspond to a shortcut will not inactivate the string gadget any more.

The windows will now backfill with the current background color, rather than color 0 (although these usually are the same :).

---

Removed a couple of Enforcer hits in the program window.

Forgot to mention one thing about version 3.4: ReqTools 2.2c included.

Corrected various incorrections in this file.

Made a Swedish translation of this doc file.

The "task name copier" didn't quite work when MungWall was installed (and possibly at some other times as well). This meant that ARexx-messages weren't sent when they should be.

## 1.52 ReqChange.guide/Program history/Version 3.6

Version 3.6 (Library version: 5.0)

The "virtual memory support" introduced in version 3.4 wasn't quite complete.. :)

The Help key didn't work in string/integer gadgets.

The Asl patches used to put its parent window to sleep incorrectly. I.e., sometimes it was done when it shouldn't happen, and vice versa.

The screenmode requester (in Asl) didn't show all modes (most notably, no HAM modes were visible). However, it was a sort of fortunate bug, since the current version of ReqTools doesn't handle the depth gadget for HAM modes that well. In some cases it can even crash.

The program list now removes any duplicate names. Thus, it doesn't show the number of active programs (but to find out you had to count them yourself anyway! :).

The Arp patch called the hook when it shouldn't, and vice versa.

The Asl patch didn't always call the file hook when it should (technical note: this could only happen for the "old" hook).

A few minor internal bug fixes and improvements (e.g. for better library <-> prefs compatibility. I finally noticed that it wasn't quite as complete as I had hoped.. :).

If the "AssignWedge" was off, and "ARQ-mode" was on, then sometimes when a text requester was about to be appear, a requester asking for the volume "Any:" would appear instead.

The "popup" gadget (arrow down) got wrong dimensions on most screens (i.e. those not similar to "my" screen.. :)

Added automatic wordwrapping for this documentation, if you have OS 3.0 or higher. The document is automatically converted if you install it with the Installer. See the program ReqChange/C/FixAG in the distribution archive for details on how to do this by hand.

Automatic shortcut selection for text requesters added. Only active if the

---

"Keyboard shortcuts" flag is set.

Timeout field for the Rexxnodes added. If a timeout is specified, then the requester will close when the timeout expires. If the return code from the ARexx-message refers to a gadget, then that selection will be used, otherwise cancel (the rightmost gadget) is used. If the user confirms the requester before the timeout expires, then the message return code is ignored.

ReqTools patch added. Adds most preferences settings (although they may be overridden by the caller) and the ARexx-messages. Note that the timeout and automatic gadget selection will not always be used for the text requester (technical note: if the RT\_ReqHandler tag is used, then the return code/timeout is ignored).

Added program name field for deny nodes.

Keyfile added. Most new features in this version need a keyfile to be activated (bugfixes are always "free"). See Shareware for information on how to obtain a copy of the keyfile if you already are a registered user.

## 1.53 ReqChange.guide/Program history/Version 3.7

Version 3.7 (Library version: 6.0)

Fixed a typo in the preferences editor, so that if reqchange.library failed to open, the preferences editor will now report the correct required version.

ARexx messages usually caused the (text) requester to be cancelled. I wonder why I didn't notice this during testing.. ;)

The automatic shortcut selector didn't ignore the case of characters properly.

Made some cleanups in the preferences editor.

Removed the window previews (upon request), to reduce the archive size.

Wrote a commodity (ReqChangeCX), that has the prefs editor as its user interface. It also offers prefs file notification. Note that StartRC is still needed.

There is now a global active flag for the patches. This means that if StartRC (or ReqChangeCX) disables the patches, the different flags in the patches menu aren't affected.

Changed the format of the preferences files, to make future updates easier. There is a prefs conversion utility included, since I decided to drop the support for all old formats (especially the "list preferences files" have changed quite a bit). If you have any problems converting the prefs, please contact me.

When doing the preferences conversion, I noticed that the deny prefs file was saved in the old format, although the new format was indicated. This

---

meant that files in the new (now old ;) format were read incorrectly. See the file `ConvertRCPrefs.readme` for details.

Updated finnish translation included.

Certain error messages (related to the preferences files) were incorrect in the prefs editor.

The Asl file requester patch will now allow buffering of the file list for the file requesters opened by the WBPpattern preferences editor. However, although I'm sure ReqChange does everything as it should, the buffering doesn't seem to work. I'm not sure why yet.

Oops. The ReqTools patches didn't handle fallback to the original function properly (i.e. when patches are made inactive, but couldn't be removed).

Cleaned up library init/open. Threw out all alerts and made it safer.

Changed Asl screen mode requester patch to use ReqTools for requesters with HAM-modes, since the new ReqTools 2.3 supports this better. This also means that ReqChange now requires ReqTools 2.3 or better.

## 1.54 ReqChange.guide/Program history/Version 3.8

Version 3.8 (Library version: 6.1)

The ARexx list wasn't correctly saved, making the read list look a bit odd. The problem only affected the requester type and the timeout.

Oops. Forgot to update the swedish library catalog. Removed some old strings from the other catalogs as well.

## 1.55 ReqChange.guide/Program history/Version 3.9

Version 3.9 (Library version: 6.2)

The center mode settings wasn't correctly updated.

The ConvertRCPrefs program included in ReqChange 3.9 wasn't the right version, which caused some problems.

## 1.56 ReqChange.guide/Program history/Version 3.10

Version 3.10 (Library version: 6.3)

Fixed the bug that caused startup problems on 68000- and 68010-based Amigas. This probably caused problems for the font requester as well.

Some minor size tweekings...

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## 1.57 ReqChange.guide/Glossary

### Glossary

#### Catalog

A file that contains all text a program uses that needs to be translated. By loading this file (and with the help of a few OS routines) a program can operate in several different languages with relatively small amount of work by the programmer.

#### IMHO

Acronym for in my humble opinion.

#### Library

A module containing a set of functions which other programs may use. These modules can be stored on disk and loaded when needed.

#### pgp-key

PGP is an acronym for Pretty Good Privacy. PGP is an encryption program written and (c) Copyright 1990-1992 by Philip Zimmermann. It uses so called public key encryption, which means that the sender encrypts the data with a "private" key and the recivers "public" key. Only the receiver of a message will be able to decrypt the message, using his own private key and the senders public key.

#### SASE

Acronym for self addressed stamped envelope.

#### String file macro

A special type of an ARexx macro. Instead of having the macro in a file (which is the usual form), it is simply a string that contains all the ARexx commands (separated with semi-colons) that should be executed.

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Why ReqChange?