

MFR

COLLABORATORS

	<i>TITLE :</i> MFR		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
WRITTEN BY		February 24, 2025	

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Chapter 1

MFR

1.1 MFR Help

```
=====
MagicFileRequester V2.0d Documentation                               19-Jul-1992
=====
```

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For informations about license and warranty see the file 'License'.

```
=====
Roadmap
=====
```

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1.2 MFR/Motivation

1.1. Motivation

A file requester is probably the most used program inside an Amiga. Unfortunately, all currently available requesters lack some important features, such as

- Keyboard support.
Since I operate my computer mainly from an arm-chair with the keyboard on my knees, my mouse is far away. I really need keyboard support.
- Font support.
I don't see a reason to force the user to a non proportional system default font or - even worse - to topaz/8 in a file requester.
- Resolution support.
The Amiga has many different resolutions with different pixel aspect ratios. What do I want with a courier/13 font on a low resolution ~ 320x200 screen?
- Speed.
This one's very important. Just look at 2.0 ASL and you know what I mean

These were the main reasons for me to write my own file requester.

MFR is the result and I hope, you will like it as much as I do.

1.3 MFR/Features

1.2. Features

- MFR is completely controllable via keyboard, so you will never have to touch your mouse when selecting files (of course you can, if you really want to).
- MFR will use any font you want in its display. Proportional fonts like helvetica look really marvellous.
- MFR has the ability to quickly search your hard disk for any file, so you needn't remember each file's directory.
- MFR offers a powerful directory caching mechanism.
- MFR can display pictures, play sounds, view archives, etc. with the aid of some external programs.
- MFR looks very nice, especially on high resolution screens.
- MFR has a sizing gadget.
- MFR takes advantage of new Kick 2.0 features like file notification.
- MFR can be customized through a wide range of tooltypes and menu items.
- MFR is fast.
- MFR is simply magic :-)

1.4 MFR/Basics

1.3. Basics

MFR is not distributed like other file requesters. You do not get an additional library for your LIBS: drawer and you may not call MFR directly from within your own applications. All you get is a single program that replaces some library vectors at installation time. So every program that uses one of the supported file requesters will use MFR instead.

MFR is especially designed for the new Kick 2.0 colors and resolutions. It will look best on a high resolution display with a pixel aspect ratio of nearly 1:1 (e.g. Hires + Interlace). Although MFR can be used on low resolution screens too, the 'feeling' won't be there.

MFR is a commodity. You can control it like other commodities with the

Exchange program from your Workbench Disk.

1.5 MFR/System Requirements

1.4. System Requirements

As you probably noticed, MFR requires at least Kickstart 2.04 (also known as V37.175) to work properly. If you are still using Version 1.3 of the operating system, it's time to update now. You won't regret it.

Particularly, the following libraries are needed:

Library	Min.Version	Place
intuition.library	37	ROM
graphics.library	37	ROM
gadtools.library	37	ROM
utility.library	37	ROM
workbench.library	37	ROM
icon.library	37	Libs:
commodities.library	37	Libs:
asl.library	37	Libs:
iffparse.library	37	Libs:
diskfont.library	36	Libs:
req.library	1	Libs:

All these libraries are part of the OS 2.04 distribution, except req.library, which can be found in the distribution archive of MFR.

1.6 MFR/From Workbench

2.1. From Workbench

Couldn't be easier. A simple double click on MFR's icon will install it in memory. From now on, every ASL and REQ file requester will be replaced with a MFR. Of course you can (and I really hope you will) move MFR into "SYS:WBStartup/", so it will be launched every time you boot.

1.7 MFR/From CLI

2.2. From CLI

Since there seem to be quite many people out there, who do not use workbench, MFR can also be started from a CLI environment. The command mfr install will do this job. MFR automatically detaches so there is no need to - run - it.

1.8 MFR/Removing MFR

2.3. Removing MFR

If you really want to remove MFR from your system, you can do this by double clicking its icon a second time, by calling "mfr install" from CLI again or with the Commodities Exchange program. A requester will pop up informing you that MFR has been removed.

MFR will refuse to quit when there are some other programs still hanging around with open or just with allocated file requesters. In this case, MFR will inform you how many times it's locked. You will have to exit all these locking programs, before you can remove MFR from your system.

1.9 MFR/Window Arrangement

3.1. Window Arrangement

After installing MFR, you should try pressing <Control><LeftAlt><M>. This key combination (of course adjustable) will pop up a MFR to play with, so let's start playing...

MFR offers a window with a big list view for the directory on the left side and a smaller one for devices and volumes on the right side. At the bottom, you will find the drawer and file gadgets as well as a pattern gadget. 'Okay' and 'Cancel' buttons are located where you would expect them. You should be familiar with this outfit since it's almost like the req.library requester.

Some words about the directory list now. On a standard workbench, directories will appear white and files will appear black. Right of a file entry, MFR shows its size, creation date and time and the file's flags. The amount of information shown depends on the size of MFR's window and on the width of the font. Try sizing the window to see how it works.

The device list contains an alphabetically sorted list of all devices (df0:, df1:, dh0:, ram:, ...), all volumes (Work:, Ram Disk:, ...) and all assigned directories available in your system. Usually, you won't need all of these entries while working with MFR, so MFR offers a possibility to prevent certain entries from being displayed. More on that later.

The widths of directory and device list are adjustable. Just click between both lists (right of the directory scroll bar) and drag the appearing bar around. If you size the device list big enough, some device information will appear.

MFR allows customizing its complete outfit (Fonts, Scrollbars, Gadgets, Background, etc.) according to your personal taste. Refer to section 3.4.4. for details.

1.10 MFR/Mouse Usage

3.2. Mouse Usage

Using MFR with a mouse is not too much different from using other file requesters. To select a file, just click on it and press the 'Okay' gadget or just double click the file. To avoid overwriting of important files, the double click feature is disabled in save mode.

Entering a directory (or a device, volume) is done by clicking and releasing the left mouse button on the appropriate entry. If you release the button somewhere else, nothing will happen.

The 'Parent' gadget (labeled '/') is located right of the drawer gadget. Since this place is sometimes far away from the directory list, MFR offers another parent gadget. It's located (invisible) between the left window border and the left side of the directory list and acts exactly like the '/' gadget. For users with a three button mouse, the mid button can also be used to access the parent directory.

When the application allows selection of multiple files, you can do this by holding down the <shift> key and clicking on the desired entries. You can also hold down <shift> and move the mouse (with left button pressed) around. Note that you will have to hold shift even for the first entry you select. This is different from other file requesters behaviour and from workbench multi select, but it seems to be the only reasonable way for MFR.

Maybe you already noticed the '!' gadget near the file gadget. This one will cause MFR to perform a so called file action on the current file. Refer to section 3.4.3. for details.

1.11 MFR/Keyboard Usage

3.3. Keyboard Usage

Using MFR with the keyboard needs a little more explanation. First some general things.

The file gadget of MFR is connected with the directory list, the drawer gadget is connected with the device list. So if you have e.g. an active file gadget, you will also notice a cursor in the directory list. Try this by pressing <TAB> or <Shift><TAB> to cycle through the gadgets.

Tab cycling is a little bit different from standard kick 2.x behaviour. Pressing <TAB> will always toggle between drawer and file gadget, <Shift><TAB> will activate the pattern gadget (if visible).

The list cursor always moves according to your actions in the connected string gadget. You should now try moving up and down in the directory list with the cursor keys (and maybe with some qualifiers). MFR will always update the file gadget with the name of the entry under the list

cursor. So if you want to select a file, just move the cursor on top of it and press <Return>. When the list cursor is placed over a directory, MFR will append a '/' to the directory's name before updating the file gadget. Thus, pressing <Return> over a directory will simply enter it. The shortcut <Amiga><P> is used to change to parent directory. Alternatively, you can use <Alt><Right> and <Alt><Left> to enter/leave directories.

The same procedure applies to the device list. Activate the drawer gadget, select a device by moving the cursor and press <Return>. Easy, isn't it?

Now things get a little bit complicated, but more interesting. Imagine you have a directory with lots of files (e.g. a directory with IFF graphics) and you want to load the file 'Stefan_With_Amiga.pic'. Of course you could try to reach the file with your cursor keys, but this may take a while. Just try typing a 'S' into the (empty) file gadget. You will notice the list cursor magically moving on the first file starting with the letter 'S'. This could e.g. be 'Sabine_Without_Clothes.pic'. Now type a 't' and MFR will move to the first entry with 'St' at the beginning, e.g. 'Stars&Stripes.pic'. After typing an 'e', you will find yourself directly over 'Stefan_With_Amiga.pic'. Thus, you only needed three keystrokes instead of many cursor downs or mouse moving. Due to MFR's auto completion, you will only have to press <Return> now to select this file.

Remember, although your string gadget only contains 'Ste', MFR will return the full name 'Stefan_With_Amiga.pic' to the application. If you don't like this auto complete feature, you can of course switch it off.

Now, type some filename into the file gadget that does not exist in your current directory (e.g. 'grmblwuz'), or just clear the gadget. You will notice the list cursor changing from a bar to a rectangle. This indicates, that no auto complete will take place when you type <Return>, the file will be returned without any changes.

Multi selection of files can be done by the key combination <Amiga><Space>. This toggles the selection state of the active file (the one under the list cursor). Additionally, <Amiga><Shift><Space> can be used to select/deselect the entire directory.

MFR can also be controlled with the numeric keypad (if enabled). Key '5' is for multiselection, the other keys work as expected.

Leaving MFR without selecting files can be done with the <Escape> key. This is equivalent to pressing the 'Cancel' gadget.

1.12 MFR/Menus

3.4. Menus

As every real Amiga program, MFR offers a couple of pulldown menus. Here they are...

1.13 MFR/Project Menu

3.4.1. Project Menu

- About

Display some information about program version, author and registration.
When you register, your name will be displayed here.

- Statistics

Display statistics about all previous file requester calls. Seems to be a little bit senseless, but maybe someone is interested in this information.

- Flush Memory

Free some allocated memory. With Workbench 2.1, this function will be called automatically when memory gets low.

- Okay

Simulate 'Okay' gadget.

- Cancel

Simulate 'Cancel' gadget.

1.14 MFR/Edit Menu

3.4.2. Edit Menu

- Copy Path

Paste complete current path (concatenated contents of drawer and file gadget) to clipboard.

- Copy File

Paste contents of file gadget to clipboard.

- Copy Dir

Paste contents of drawer gadget to clipboard.

1.15 MFR/Dos Menu

3.4.3. DOS Menu

- Parent Directory

Change to the parent directory. MFR will display an error in its status line when there is no parent directory.

- Reload Directory

Load and display the current directory again. This is useful if you turned off file notification for some reason and something in the current directory changed.

- Rescan Devices

After mounting an additional device, you may wish to recreate the device list. This menu item will do that for you.

- Search File

MFR has the ability to search your harddisk for some files. Before you can use this feature, you will have to create a data base consisting of all your directories and all your files. This can be done with the "UpdateDB" program from Larry Phillips "Find" package, which is included in MFR's distribution archive. If you are not familiar with "UpdateDB", please refer to Larry's documentation for details. Once you have created the data base, you can easily find any file you want. Just type the (partial) name (or pattern) into the string gadget and select the 'Search File' menu item. MFR will list all occurrences of the concerning file together with the complete path in the file list. Just double click on the desired entry and you will be moved to its directory with the appropriate information filled in the drawer and file gadgets.

- File Action

MFR has the ability to show pictures, play sounds, view archives, etc.. If you want to use this feature, you will have to tell MFR what to do with certain file types. This is done via the CLASS_0 - CLASS_9 tooltype entries.

The syntax of a CLASS entry looks like this:

```
CLASS_<n>=[<namepattern>],[<contentspattern>],<action>
```

If you select the "File Action" menu item or you press the file action gadget (labeled '!'), MFR checks the current file against <namepattern>. If this one matches, MFR checks the first 256 Bytes of the file against <contentspattern>. In case of match, the command <action> is performed on this file. Note that <namepattern> is case insensitive but <contentspattern> is case sensitive. An omitted pattern matches always.

The parameter <action> must be a valid command, exactly as if typed into a CLI. The first "%s" in <action> will be replaced with the full path specification of the current file. Note that formatting of the command is done via sprintf(), so you should be careful not to use other printf style formatting commands such as "%d" or "%x". Your machine may crash if you do so! If you use commands that print to the current console (e.g. all archivers), you must use IO-redirection.

Some examples for file classes are:

```
CLASS_0=#?.(lha|lzh),,lz >con:120/50/500/250/LH-Archive/CLOSE/WAIT v %s
CLASS_1=#?.zoo,,zoo >con:120/50/500/250/Zoo-Archive/CLOSE/WAIT l %s
CLASS_2=#?,FORM????ILBM#?,display %s
CLASS_3=#?,FORM????8SVX#?,play %s
CLASS_4=#?.doc,,more %s
```

- History List

With 'History List', you will get a list of the last files you selected with MFR. This can be useful if you want to load some files again. If the history list is not empty, a window will pop up and allow you to select one entry. Note that the entries of the history list are not sorted, the last selected file always appears on top of the list.

- Make Directory

Create a new drawer in the current directory.

- Delete File/Dir

Delete a file or an empty directory in the current directory. Note that MFR is no CLI tool, so you won't be able to delete non empty directories or write protected files.

- Rename File/Dir

Rename a file or a drawer. You may move files out of the current directory by specifying a complete path for the new name.

* Status submenu

The 'Status' submenu is used to control some status bits of MFR. Normally, these bits are set to reasonable values by the calling application, but you can override these settings at any time. Note that none of these flags will be saved.

- Status / Display Pattern Gadget

Controls whether the pattern gadget is visible or not.

- Status / Disable Pattern

Controls whether the pattern specified in the pattern gadget shall be used to hide certain files. This has nothing to do with the visibility of the gadget.

- Status / Hide Icons

Controls whether icons (.info files) shall be displayed or not. Even with icon display enabled, .info files may be hidden by the pattern setting.

- Status / Match Directories

Controls whether directories must also match the specified pattern to be

displayed. This is not useful in general.

1.16 MFR/Settings Menu

3.4.4. Settings Menu

The 'Settings' menu contains some items to customize MFR according to your personal taste. MFR's settings are global for all file requesters. If you e.g. select a new font, all open requesters will be informed and updated.

Many settings can hold two different values, according to the current screen resolution. For example, changing the gadget font on a lowres screen affects the lowres setting, changing it on a highres screen affects the highres setting. These menu items will be marked as [dual].

Low resolutions displays are: Lores, Hires, SuperHires, HAM, LoresDPF, LoresDPF2, HiresDPF2, SuperHiresDPF2, ExtraHalfBrite, VGAExtraLores, VGAHAM, VGAExtraLoresLace, VGALoresDPF, VGAExtraLoresDPF2, VGALoresDPF2, and VGAExtraHalfBrite. All other modes will be considered as high resolution.

* Window submenu

The 'Window' submenu is used to control size, position and outfit of MFR's window.

- Window / Override Dimension

Normally, the dimensions of a file requester window will be set by the calling program. However, MFR seems to need more space than other file requester. Thus, it may be a good idea to let MFR override the application's size suggestion and use its own one. With this switch set, MFR will always use the configured size when opening its window.

- Window / Override Position

MFR offers the ability to open its window either centered on the screen or centered under the mouse pointer. To use these features, you will have to set this switch. Without 'Override Position', MFR will use the application specified position.

- Window / Centered Window

MFR's window will always appear centered on the (visible part of the) screen.

- Window / Moused Window

MFR's window will always appear under the mouse pointer.

- Window / Rastered Background [dual]

The background of MFR'S window will be rastered with the darkest color

of the current palette. In save mode, background will be rastered with the two darkest colors.

- Window / Inverted Gadgets

Flip front and back pen of string gadgets.

- Window / Use as Default Dimension [dual]

Set MFR's default dimension to the current window size.

- * Scrollbar submenu

MFR offers four different scrollbar designs, each of them either with symmetrical or asymmetrical placement of arrow gadgets.

- Scrollbar / Default [dual]

Scrollbars look like standard Kick 2.x scrollbars on highres screens.

- Scrollbar / Default-Lores [dual]

Scrollbars look like standard Kick 2.x scrollbars on lowres screens.

- Scrollbar / Goonie [dual]

Scrollbars and arrows look 3-dimensional, with a little knob in the middle. Nice!

- Scrollbar / Stuntzi [dual]

Scrollbars use PROPNEWLOOK, looks a bit like workbench's scrollbars.

- Scrollbar / Symmetrical

Scrollbar uses symmetrical placement of arrow gadgets.

- Scrollbar / Set Arrow Delay...

Here, you can adjust the repeat rate for the scrollbars arrow gadgets. With a value of 0, MFR scrolls very fast.

- * Font submenu

- Font / Select List Font... [dual]

A font requester will open up and let you specify the font to use in directory and device list. Proportional fonts are perfectly okay and recommended, since they allow displaying of longer filenames. Suggested ist helvetica/11 on a highres display, but that depends on your taste.

- Font / Use Screen Font [dual]

With this item enabled, MFR will always use the parent screen's default font for displaying its lists.

- Font / Select Gadget Font... [dual]

A font requester will open up and let you specify the font to use in MFR's string gadgets. Proportional fonts are perfectly okay and recommended, since they allow displaying of longer filenames. Suggested is helvetica/13 on a highres display, but that depends on your taste.

- Font / Use Screen Font [dual]

With this item enabled, MFR will always use the parent screen's default font in its string gadgets.

* Sorting submenu

MFR is able to sort the directory list in many different ways. The menu items should be self explaining, if not, just try them.

- Sorting / Sort by Name
- Sorting / Sort by Date
- Sorting / Sort by Size
- Sorting / Dirs First
- Sorting / Dirs Last
- Sorting / Don't care
- Sorting / Low to High
- Sorting / High to Low

* DOS submenu

- DOS / Set Default Pattern...

When the calling application doesn't specify a pattern, MFR will use the configured default pattern as initial contents for the pattern gadget. For example `~(#?.info|#?.o|#?.bak)` would be a good choice.

- DOS / Set Vol. Show Pattern...
- DOS / Set Vol. Hide Pattern...

MFR allows you to specify which devices/volumes should appear in the device list. Just set some show and hide pattern to suite your needs. Example: `Show Pattern = (dh#?|df#?|ram#?)`

- DOS / Set History Entries...

This sets the maximum number of entries in the history list. A value of 0 disables the history feature completely, saving a bit of memory.

- DOS / Set Cache Entries...

MFR remembers up to 100 directory contents, considerably speeding up operation. With this caching, you will be able to browse through your directory tree without delay. A cache is automatically invalidated when the datestamp of the associated directory changes (this happens whenever files are changed within that directory). With 'Set Cache Entries', you can specify the maximum number of cached directories. A value of 0 disables caching completely. Note that this change will not affect the current session. You will have to save settings, exit MFR and restart it to see the difference.

In case of memory shortage, MFR will free its caches. Therefore, it hooks into `asl.library's Expunge()` function. Unfortunately, this feature won't work with Workbench 2.0's `asl` library. But when Workbench 2.1 becomes available, it will magically start working.

- DOS / Set Read Timeout...

With 'Read Timeout' it's possible to make MFR multitask while reading a directory. By default, its value is set to zero. In this mode, MFR will read a directory completely before displaying anything and before reacting to user actions. This is the recommended mode, since it's a lot less confusing and since MFR's directory caching reduces waiting time to a minimum. However, if you really want, you can set the timeout to another value (timeout is measured in 1/50 seconds). Then, MFR will update its display every time the period expires or when you perform some action on the directory list (e.g. cursor movement). To avoid messing up the display, new entries will be appended unsorted at the bottom of the list. As you probably noticed, I don't like this mode and it surely would need some more testing and programming. You really should use a timeout value of 0 for now.

- DOS / File Notification

'File Notification' finally toggles MFR's file notification feature. With file notification enabled, MFR automatically recognizes changes in the displayed directory and reloads it immediately. Since this can be really confusing sometimes, you can switch it off here.

* Search submenu

This submenu influences the way MFR compares a file with the entries of the find data base. Note that when you specify an AmigaDOS pattern to search for, only the 'Case Sensitive' menu item will affect matching.

- Search / Case Sensitive

When this item is selected, matching will be case sensitive.

- Search / Match Exactly

The file must match the data base entry completely, e.g. 'mary' won't match 'primary' or 'marys_daughter'.

- Search / Match Beginning

All data base entries starting with the file gadget contents will be displayed.

- Search / Match Partial

If the data base entry contains the file gadget contents somewhere, it will match.

* Usage submenu

This menu contains various flags that control how MFR responds to user actions.

- Usage / Auto Complete Load
- Usage / Auto Complete Save

A file requester can be in load or in save mode, as specified by the application. MFR allows you to toggle its auto completion feature for both of these modes. Normally, 'Auto Complete Load' should be set and 'Auto Complete Save' should be unset, but this depends on your taste.

- Usage / Numeric Pad Control

Used to toggle cursor control via numeric keypad.

- Usage / Close after Copy

When this item is set, MFR's window will automatically close after a copy operation to clipboard.

- Load Settings
- Save Settings

These two menu items (available only when you register), allow loading and saving of MFR's settings. MFR will automatically load the settings at startup. For that, it will try to locate its .info file and get the configuration out of the tooltypes. If you start MFR from CLI and the .info file is not present, MFR will look for an 'envarc:mfr.prefs' config file and take its configuration from there. In any case, MFR remembers the configuration's place and saves it to the appropriate position when 'Save Settings' is selected.

1.17 MFR/Tooltypes

4.1. Tooltypes

Most of MFR's configuration can be adjusted with the menu items. However, there are some things that haven't made their way to a menu yet, so you will need to adjust them via tooltypes.

CX_POPKEY

defines the key sequence used to pop up a Magic File Requester. Don't know if it's really useful to pop up a file requester, but if you want, you can.

CX_PRIORITY

defines MFR's priority in commodities input chain. There should normally be no reason to alter this value.

PATCHASL

turns the patch for asl.library on and off. There should be no reason to turn it off, I hope.

PATCHREQ

does the same thing for req.library.

PATCHREQTL

same for reqtools.library

MINPIXEL

defines the minimum space reserved to display a file name. MFR adjusts the amount of displayed information according to the width of its window. Try resizing the window to see how it works. MINPIXEL pixel will always be reserved to display the file name, unless the window is too small.

REJECT

defines a case insensitive pattern for task names. If you encounter a program that does not work with MFR, you can make MFR drop to the old file requester when being called from this task. Just find out the task name and add it to the REJECT pattern. You can use the program TaskList (see Goodies section) to list all tasks currently running.

CLASS_0 - CLASS_9

Here you can configure some file classes for file actions. See the description of the 'File Action' menu item for details.

FKEY_0 - FKEY_20

MFR lets you define 20 directories for quick access with the functions keys. You can specify a file name after the directory, in which case the file gadget will be filled with this name. F-Keys 11 through 20 are the shifted F-Keys 1 through 10.

The two tooltypes DONOTWAIT and STARTPRI are dedicated to workbench and should be left untouched, unless you know what you're doing.

All other tooltypes are maintained with MFR's menu items. There is absolutely no need to alter them by hand.

1.18 MFR/CLI Interface

4.2. CLI Interface

MFR has a CLI interface that allows using the requester from within script files. Calling MFR with the following template

```
mfr [DIR=<dir>] [FILE=<file>] [PATTERN=<pattern>] [TITLE=<title>]
    [OKTEXT=<oktext>] [CANCELTEXT=<canceltext>]
    [LEFT=<left>] [TOP=<top>] [WIDTH=<width>] [HEIGHT=<height>]
    [MULTI] [MATCHDIRS] [SAVE] [PATGAD]
```

will pop up a file requester, wait for the user to select some file(s) and print the results (full path specification) to stdout. If the requester is cancelled, nothing is displayed.

You can use this feature from a shell or arexx script, redirecting the result to a file for further usage. For example, the command

```
mfr >env:result DIR=cap: PATTERN=*.cap TITLE="Select a capture file"
```

will create an environment variable named 'result' which consists of the selected file. If you don't select a file, 'result' will be empty.

MFR will return 0 if a file was selected, 5 if the requester was cancelled. A return code of 10 indicates an error (wrong parameters, out of memory, ...).

Note that MFR will internally call the asl.library file requester, so if you didn't allow it to patch this library, you will just see an ASL requester popping up.

1.19 MFR/UnArp

5.1. UnArp

UnArp is a tool by Martin Berndt, that tries to make arp.library more compatible to Kickstart 2.0. Many ARP calls are replaced by calls to dos.library, the file requester is replaced by an ASL requester. If you put it somewhere in your startup-sequence or user-startup, you'll notice MFR replacing all your old ARP file requesters.

1.20 MFR/TagScreens

5.2. TagScreens

With Kick 2.04, there is a new method for programmers to specify which colors should be used for gadget and window rendering on their custom screen. MFR uses exactly this colors in its window.

Programs that were developed before Kick 2.04 was released, don't know about this feature. Their windows and gadgets, including MFR will look a little bit ugly.

"TagScreens" from Martin Berndt tries to patch the old OpenScreen() function to make these old programs use the new 3d look. Refer to "TagScreens.txt" for details.

1.21 MFR/Find

5.3. Find

"Find" is a tool for fast file searching, written by Larry Phillips. It works in conjunction with a data base, including all your directories and files. MFR needs this data base for its search functions. Refer to "Find.DOC" for details.

1.22 MFR/TaskList

5.4. TaskList

MFR has the ability to prevent some specific tasks from using it. This is hopeful if you e.g. encounter a program that doesn't work with MFR or needs some special features of asl.library, not supported by MFR yet.

When a file requester is called, MFR compares the specified REJECT pattern with the name of the calling task (ExecBase->ThisTask->tc_Node.ln_Name). In case of match, MFR will call the old requester.

To find out the name of the calling task, you can use a system monitor such as "ARTM" or "XOper" or the supplied utility TaskList. TaskList exactly displays the task name, checked by MFR. "ARTM" and "XOper" display some other things sometimes.

Finding out the calling task's name may sometimes get a little tricky. The normal task name of "MultiPlayer" is e.g. "MultiPlayer", but this program creates a second task named "File Requester" to call a file requester. To prevent "MultiPlayer" from calling MFR, you would have to specify "REJECT=File Requester".

1.23 MFR/Known Bugs

This section is intended to avoid unnecessary bug reports and suggestions. Please read this before you write a mail. But if you have additional ideas, bug reports or just some comments, write me.

6.1. Known Bugs

- MFR won't hide its file gadget in a directory only requester. This does not affect functionality.

- Still some missing ASL Tags. Since they are not too important, MFR will ~ never drop to an ASL requester.

```
ASLFR_Screen          /* Address of parent screen      */
ASLFR_PubScreenName   /* Name of public screen      */
ASLFR_Locale          /* Locale ASL should use for text */
ASLFR_RejectPattern   /* prepared reject pattern     */
ASLFR_AcceptPattern   /* prepared accept pattern     */
ASLFR_TextAttr        /* Font to use for requester   */
```

- Missing reqtools tags:

```
RT_IDCMPFlags
RT_ReqPos
RT_PubScrName
RT_Screen
RT_ReqHandler
```

```

RT_DefaultFont
RT_ScreenToFront
RT_UnderScore
RT_TextAttr
RT_IntuiMsgFunc
RT_Locale
RTFI_AddEntry
RTFI_RemoveEntry
RTFI_FilterFunc
RTFI_AllowEmpty
Flags: FREQF_NOBUFFER, FREQF_SELECTDIRS, FREQF_DOWILDFUNC

```

```

RTFI_VolumeRequest

```

```

/* This one's making trouble. Why didn't Nico add an extra
   function rtVolumeRequest() instead of this strange tag?
   MFR will try to drop to reqtools, but this may be
   dangerous in some cases. */

```

- MFR is not totally clean against specifying a too big font. You should be careful experimenting with euro/90 or something like that.

1.24 MFR/Compatibility

6.2. Compatibility

I tried hard to make MFR as compatible as possible. However, patching libraries has always been and will always be a little bit dangerous. You should assure that no other programs patch file requester library vectors when MFR runs. If you e.g. use 'ReqChange' (V1.09, by Magnus Holmgren) to forward some string/number requesters to reqtools.library, you should specify "reqchange NOASL NOARP" to start it. In general, MFR should be the last started requester patch tool. To accomplish that with 'WBStartup/' files, you can e.g. use the STARTPRI tooltype.

1.25 MFR/Future Features

6.3. Future Features

Here are some plans for future expansion of MFR. Comments and additions welcome.

- A hotkey to paste MFR's gadgets contents to the input stream would be ~ nice.
- Drawing of the rastered background could be optimized.
- Entries in the find list tend to become very long. Since the right part of a path is usually more interesting than the left part, I should maybe display it this way.

- Once file classes are supported by the system software, they will be
~ taken out of MFR. Hurry up, Commodore :)
- Localization. Ever wanted a norwegian file requester?
- Replacing of some more libraries (arp, rct, kd_freq). Well, UnArp does
~ his job well, rct and kd_freq are rarely used...
- Better handling of the zoom gadget, including complete iconification and
~ adjustable zoom size.
- Some more multi select hilight styles (italics, different colors, ...).
- ... to be continued ...

1.26 MFR/Acknowledgements

6.4. Acknowledgements

Finally, I want to thank

Andreas Schildbach	for many good ideas, for debugging, for some artwork and for the pacman. :-)
Stefan Becker	for debugging CLI interface and eliminating some enforcer hits.
Martin Berndt	for debugging resolution detection and for the permission to include his programs "TagScreens" and "UnArp".
Stefan Hochmuth	for debugging memory allocation system.
Bryan Ford	for his startup code.
Michael Berger	for the set of Lores Icons.
Ralf Kemle & Oliver Kilian	for some more ideas and for testing MFR with good old 68000er.
Oliver Vaross	for additional debugging.
Larry Phillips	for his permission to include the "Find" package.
Colin Fox & Bruce Dawson	for req.library. I only need RealTimeScroll() but this one's really nice.
Maximilian Hantsch & Martin Laubach	for some useful code fragments and for their trapdoor license agreement. I cloned it nearly 1:1.
Stefan Boberg	for the LhA documentation. I cloned the part about registration for MFR. Hope he doesn't mind.

Ludwig Gritsch for the AmigaGuide manual.

... and all the other guys and girls who reported bugs
 and made suggestions.

1.27 MFR/How to reach the author

6.5. How to reach the author

If you have some additional ideas and/or bug reports, feel free to send a letter (e-mail preferred) or to give me a call.

You can reach me via

Internet: stuntz@informatik.tu-muenchen.de

Fidonet: 2:246/46.10 (Stefan Stuntz)

Z-Netz: S.STUNTZ@AMC.ZER

SnailMail: Stefan Stuntz
 Eduard-Spranger-Straße 7
 D-W-8000 München 45
~ Germany
 Phone: +49-(0)89-313-1248

That's all for now... Goodbye, and thanks for all the fish...

Stefan

||
\/

Remember: Always expect the unexpected and don't panic :-)

1.28 support

Support

If you have some questions, comments, suggestions or even flames, please contact me at one of the following addresses. If you send your letter via e-mail, there's a good chance for getting a quick reply.

Internet

stuntz@informatik.tu-muenchen.de

Fidonet

2:246/46.10 (Stefan Stuntz)

Z-Netz

S.STUNTZ@AMC.ZER

snail-mail

Stefan Stuntz

Eduard-Spranger-Straße 7
D-W-8000 München 45
Germany
Phone: +49-(0)89-313-1248

1.29 license

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-

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1.30 registration

Registration

Up to version 1.3b, MFR was a freely distributable product, you didn't have to pay anything for it. However, MFR has always consumed and will continue to consume a large amount of my time. Since I receive so many good ideas and suggestions, this amount is growing instead of shrinking. I simply can't afford working on MFR just for fun anymore. That's the main reason for me to distribute MFR as Shareware from Version 2.0 on. Furthermore - since this is my first Shareware product - I am simply curious how the Amiga users respond to Shareware. The result will surely affect further development of MFR as well as some other products I am currently thinking of. Thank you for your understanding.

The unregistered release of MFR will display a shareware reminder at startup and is not able to load and save configuration data. If you

register, you will be shipped a disk with the newest version of MFR, along with a personalized, so-called 'keyfile' that disables the shareware reminders and enables loading and saving of the configuration. This keyfile will work with all future releases of MFR, so you can simply download the latest version from your local bulletin board without having to wait weeks for your update passing through the slow mail channels. However, if you wish to be mailed major updates, just send additional DM 5.- or US\$ 5.- per update.

No person(s) or businesses other than the author are authorized to accept any registration or distribution fees in any form whatsoever, except as specified by the author. The only people who will be regarded as registered users are those who have sent

DM 20.- or US \$ 15.-

or more to

Stefan Stuntz
Eduard-Spranger-Straße 7
D-W-8000 München 45
Germany/Europe

For residents in Germany, the easiest and cheapest way of transferring money to the author is by a bank transfer to

Stadtsparkasse München, BLZ 701 500 00, Konto 35-169929

In this case, you can write your registration info on the giro-form.

The cheapest and easiest (and quite safe) way for foreign residents is probably to send DM 20.- or US \$ 15.- in a letter together with the registration form. Note that I won't accept foreign currencies except US Dollar. If you don't want to do this, you can also use a postal money order (PMO), about which your local post office can provide you with details about. Beware that this can be quite expensive depending on where you live.

Should the above not work out satisfyingly, you can either send a
~ EuroCheque payable to Stefan Stuntz in DM or have your bank transfer the
~ registration fee to one of the above accounts. Beware: International
~ transfers via banks are very expensive. Bank drafts can *NOT* be
~ accepted as payment since the bank charges outrageous fees from both
~ the sender and the receiver. The same applies to private cheques.

In any case, be sure to provide me with your name, address, phone number and fido-nodenummer/InterNet address for filing purposes. You can send this information via electronic mail, if you wish. If you don't mind, this data will be stored and processed in electronic form. There is a sample registration form you can fill in in the file 'OrderForm'.
OrderForm}

Please allow one to eight weeks for delivery. Usually you will be sent your registered version right away, but if a new version is near completion, I will wait until it has been finished unless you explicitly tell me to send a version right away.

1.31 history

Version History -----

This file describes all changes from MFR's first release on 24-Jan-92.

It is NO replacement for the Manual!

Version 2.0d
Version 2.0c
Version 2.0b
Version 2.0a
Version 2.0
Version 1.3b
Version 1.3a
Version 1.3
Version 1.2
Version 1.1
Version 1.0

1.32 v20d

V2.0d (19-Jul-92)

- Corrected some mutual exclude menu items (e.g. search modes).
 - Included release 1.4 of UnArp.
 - The search entry and history list selection consumed all processor time.
~ Seems I forgot a simple WaitPort(). This bug is now fixed.
 - MFR sometimes considered boolean attributes like save mode, multi select, etc. wrong. Fixed.
 - Corrected some corrupt pattern handling in conjunction with the file
~ actions, introduced in V2.0c.
 - String gadgets now allow entering of empty strings.
 - MFR no longer keeps the workbench.library open when installed.
-

1.33 v20c

V2.0c (15-Jul-92)

- About-Window is now visible on a monochrome display.
- reqtools.library patch is now on by default.
- To be Workbench compatible, the menu entry for creating a directory changed its name to "New Drawer" with the shortcut <Amiga><N>. File Notification can now be toggled with <Amiga><F>.
- Improved icon outfit on oldstyle screens. Nevertheless you really should use 'TagScreens' or a similar tool to eliminate oldstyle screens completely.
- Included AmigaGuide format manual.
- Fixed file action bug. Now, %s is really replaced with the complete path specification, not only with the file name.
- Added semaphore security to string hook handling. This should fix some intuition lockups with incredibly fast typing on incredibly slow ~ amigas.
- Added menu item to rescan the device list.
- Optimized some code. MFR should run a bit faster now, especially on 68000 based machines.

1.34 v20b

V2.0b (09-Jul-92)

- Changed distribution archive a little bit. For update reasons, the 68030 version now comes with the freely distributable archive of MFR. This allows registered users with 68030 processors to update fast.
 - Included more detailed update information in the 'Registration' file. I ~ thought update handling was clear, but it seems it wasn't.
 - Fixed function key bug. Now the file gadget always gets activated after a function was pressed.
 - Escape-Key didn't work right together with Shared-IDCMP and IDCMP_VANILLAKEY. Fixed.
 - Since it seems getting standard that asl.library preserves A4 for ~ callback hooks, MFR now behaves the same way. This makes e.g. MFR work ~ with VLT.
-

- Fixed nasty 'Zero-Size-File-System' bug which caused MFR to guru when a file system with size equal to 0 was mounted. Now, MFR works e.g. with ~ ParNet and XFH:
- Volumes with size greater than 3600 kByte are considered to be a harddisk. Smaller volumes will get a disk icon.

1.35 v20a

V2.0a (06-Jul-92)

- Fixed nasty Cursor-Key-Parent-Dir-Bug.

1.36 v20

V2.0 (05-Jul-92)

- MFR is distributed as shareware now. Please refer to the file 'Registration' for details.
 - Fixed machine lockup with MFR's arrow gadgets (bug introduced in 1.3).
 - Got it! MFR eats no more memory, not even a single byte.
 - MFR now empties it's AppWindow port before deleting it.
 - Search mode <match partial / case insensitive> corrected.
 - MFR now handles multiple menu selection correctly.
 - The "Goonie" scrollbar design takes care of the screen pens.
 - You can now bind 20 directories (or files) to the function keys F1-F10 and <Shift> F1-F10. Configuration via tooltypes FKEY_1 - FKEY_20.
 - The default public screen is brought to front when MFR is called with it's hotkey.
 - MFR can now be configured to automatically close it's window after a ~ copy operation to clipboard.
 - With multi select enabled, MFR will now always use the WbArg return method, even if the user only selects a single file. This reflects the behaviour of asl.library and should fix some problems.
-

- Mid mouse button changes to parent directory.
 - Added invisible Parent Gadget at the left side of the file list. Ugly
~ but useful!
 - Some more config options are resolution dependent (different values for hires & lores): Fonts, Scrollbar Design, Default Size, Background
~ Rastering.
 - MFR refreshes it's volume list when a volume is inserted or removed.
 - Leaving the requester with double click is disabled in save mode.
 - Significantly improved caching mechanism: MFR now remembers up to 100 directories. These directory caches are global, all MFR's can use them. If all caches are full, the oldest one will be replaced. A cache is automatically invalidated when the date stamp of the associated directory changes. Max number of cached directories can be configured with a menu item, a value of 0 disables caching completely.
 - Replaced ArpToAsl by UnArp.
 - MFR automatically detaches when it's installed from CLI, there's no more
~ need to run it.
 - The widths of the file and volume lists are configurable now. Just click between the both lists and move the appearing bar around. List
~ widths may be different in Lowres and Highres mode. If the volume list
~ is wide enough, some state information will be shown.
 - Volume size calculations are now compatible with the info command (1024
~ Bytes per kilobyte and 1024 kilobytes per megabyte).
 - Inversion of string gadgets is now configurable (see Window sub menu).
 - MFR now supports the ASL tags ASLFR_RejectIcons, ASLFR_UserData,
~ ASLFR_SleepWindow, ASLFR_HookFunc, ASLFR_PrivateIDCMP,
~ ASLFR_IntuiMsgFunc and ASLFR_FilterFunc.
 - Since all important tags are supported now, MFR will never drop to an ASL requester anymore. This fixes possible crashes when one file
~ requester structure is used for several calls with some of them
~ dropping to ASL.
 - Gadget & list handling changed significantly. The file list and the
~ file gadget are attached now, they will be active the same time. Typing
~ something into the gadget will move the list cursor to the appropriate
~ position. Device list and drawer gadget are attached the same way.
~ Side effect: Since cursor left/right are used to move the string gadget
~ cursor, you will have to qualify them with ALT to use them for changing
~ directories. Amiga-Space is now used for selecting multiple files.
~ This new method seems to be much more comfortable and useful, I really
~ like it and I hope you will too.
 - You can alternatively control the cursor with the numeric keypad, if you
~ activate "Settings/Usage/Numeric Pad Control" menu item. Key <5> can be
~ used to select/deselect files when multi select is enabled.
-

- Menu layout changed to reflect user style guide. Activation menu became senseless, some shortcuts changed.
 - MFR now marks file system links with a '»' in front of the file size. This feature is only available for files, not for directories.
 - This one's for all CLI freaks: If MFR could not find a .info file, it ~ tries to read it's configuration from "envarc:mfr.prefs". Configuration ~ will also be saved to "envarc:mfr.prefs" in this case.
 - Added statistics menu point (senseless, but who cares...).
 - To wake up possibly sleeping users, background rastering now looks ~ different when MFR is in save mode. Rastering is done with the two ~ darkest colors of the current palette.
 - Icons and arrows look better on one plane screens.
 - Directory reading mode changed again. MFR now tries to read as many files as possible in a specific timeout (e.g. 0.5 sec). If the timeout ~ expires during reading or the user performs some action, the display is ~ updated for the first time. On the average, most HD or ram: ~ directories can be read during the first timeout period. The result is ~ less rendering and faster loading time. The timeout is configurable ~ with the new menu item <Settings / DOS / Read Timeout>.
 - With a timeout value of 0, MFR will always read the complete directory before displaying anything. This is MFR's fastest mode for directory reading and I strongly suggest you to use it since it is much less ~ confusing and the new reading mode maybe needs some more work. However, a timeout of 0 should be no great disadvantage, since MFR's directory caching will reduce waiting time to a minimum.
 - Multi select is now possible by dragging the mouse around while shift ~ (or caps lock) is pressed. Note that you will have to press shift even ~ for the first file you want to multi select. This is different to asl's ~ multi select and workbench's icon selection, but it seems to be the only ~ convenient way for MFR.
 - Recompiled with register parameters and function pragmas. Gained 6 kB ~ and hopefully some speed.
 - To avoid loosing the first few keystrokes, the file gadget gets activated immediately when the requester opens.
 - Instead of two separate hide & show gadgets, there is only one single ~ pattern gadget now. It will be displayed on demand (when the asl tag ~ ASLFR_DoPatterns is set). You can make it visible/invisible at any time with the "DOS / Status" submenu. This menu also contains items to ~ temporarily disable the pattern and to toggle matching of directories.
 - The 'Pattern:' gadget label has become an invisible gadget that disables/ enables pattern matching.
 - New memory management system. No more small allocations, no more ~ fragmentation. Note: Because of this and because of directory caching,
-

- ~ history list, etc. it may sometimes look as if MFR would loose memory. It doesn't!
- Added history list. This list contains the last <nr> files you selected since MFR was started. <nr> is configurable with a menu item, a value of 0 disables the list completely. The list is not sorted, the last ~ selected file always appears at the top. You can access the history ~ list with the "DOS" / "History List" menu item.
- The 'File:' and 'Drawer:' gadget labels are invisible button gadgets now. MFR remembers the initial contents of drawer and file gadget at requester opening time and restores them when these gadgets are pressed.
- MFR now works with AssignX.
- Pattern matching is a lot faster now => faster directory reading.
- MFR now supports reqtools.library multi selection.
- The search gadget is a file action gadget now. Reason: When you are ~ searching for a specific file, you are already using your keyboard. Thus it's no great deal to press <Amiga><S> to start searching.
- Added reload menu item for those who don't like file notification.
- Added Show/Hide icons menu item.
- Added 'Flush Memory' menu item. With Workbench 2.1, this flush will ~ be done automatically when memory gets low.
- Rewrote manual again. Please read it carefully !!!

1.37 v13b

V1.3b (10-Apr-92)

I hate that. Bugs over bugs. Thanx to Stefan Becker for reporting and fixing.

- MFR's CLI interface had a bad bug. All BOOLEAN options (including INSTALL) did not work correct (enforcer hit on 68030, crash on 68000, nothing special on my 68020 :-)). This has now been fixed.
 - Enforcer hits during display refresh and notify events eliminated.
 - Detection of shared IDCMP did not work right. I corrected it and suddendly many programs used ASL again. Therefore, I removed detection ~ of shared IDCMP, MFR will always use it's private port. This may cause ~ some problems with some programs in some cases (e.g. IconEdit). Remember the REJECT keyword.
 - MFR now knows how to display file sizes greater than 9.999.999 Bytes.
-

- When the application supplies a complete path in the drawer gadget, MFR splits it up into drawer and file part.

1.38 v13a

V1.3a (08-Apr-92)

Since I go on holiday the next two weeks, I release this minor new version just for those of you that really hate the reqtools requester.

- MFR now patches reqtools.library (tooltype PATCHREQTL). Several ~ features (e.g. multi-select) are not supported. MFR will drop to ~ reqtools in these cases. See Bugs section for details.
- Fixed bug with monitor identification.
- Included version 1.6 of TagScreens.

1.39 v13

V1.3 (06-Apr-92)

Yeah. Not just some bug fixes, a really new version with many enhancements.

- Configuration mechanism changed again. No config file support anymore. When started from Workbench, MFR reads it's configuration from the .info file, as in earlier versions.
 - Since there seem to be quite many people out there, who do not use workbench, MFR can now be installed from CLI with the command "mfr INSTALL". Note that MFR will not detach (I was too lazy), so you should put something like "run <nil: >nil: mfr install" in your startup-sequence. The configuration will be read from the file PROGDIR:mfr.info, thus you must have "mfr.info" in the directory you start MFR from. To edit your tooltypes, you will still have to load workbench and use the 'Info' menu item. This should be no great problem however, because almost all configuration can be done via menu items now (see next point).
 - MFR can now be configured with various menu items. Have a look at them to see how they work. Note that the configuration is global for all file requesters, so if you change e.g. the gadget font, every open file requester will be informed and updated. Configuration can be saved with the <Project/Save Config> menu item to the location it was loaded from.
-

- MFR now has the ability to use the parent screens default font for displaying (see the "Window" submenu).
 - If you set the number of EntryBuffers to zero, MFR will read a new directory completely before displaying anything. This is MFR's fastest directory reading mode, but you will have to wait until all entries are read.
 - MFR now caches the last directory to speed up subsequent calls with the same requester structure.
 - If you change to the parent directory, MFR now tries to place the cursor on the directory you just left. This makes it much easier and quicker to browse through your harddisk.
 - MFR can now create directories, delete files/dirs and rename files/dirs. With rename, you can even move your files around the volume. See DOS menu.
 - If MFR is in save mode and you type a non existing directory into the drawer gadget, MFR will create it if you confirm.
 - Implemented my idea of file selection. Pressing an alpha key in the file list (not in the file gadget!) will add this key to the search string and jump to the first entry starting with this string. Backspace will remove the last character from the search string. I tried several versions of file selection via keyboard and this one was my favourite. If you have some other (good!) ideas, let me know.
 - You can now tell MFR to activate the file list instead of the file gadget in some cases (see Activation menu). When MFR is opened for saving, activation of the file gadget always has priority.
 - MFR now has 18 different methods for sorting the file list (see Design menu): name sort, date sort and size sort with directories either first, last or within and with sorting order either low to high or high to low. Hope this will be enough for everybody. :-)
 - Fixed a bad bug that could crash the system if you tried to quit MFR with some allocated requester structures.
 - The list views are now more style guide compliant (no more extra pixel on top and bottom border).
 - Concatenation of default hide pattern and application specific hide pattern has been removed. Instead, an application specified hide pattern simply overrides the default hide pattern.
 - If the application specifies a show pattern, the default hide pattern is ignored. This avoids problems with mutual exclusive hide and show pattern (e.g. IconEdit with a default hide pattern #?.info).
 - Removed the 3d effect of the status line text. This was indeed a little overpowered.
 - Removed the about gadget in the bottom window border. :-)
-

- More sophisticated calculation of the space occupied by date and time column. Should work with any font now.
- Fixed bug with cursor right key in assign list.
- A2024 was again considered lowres. This bug is now hopefully fixed for ever. MFR should know which config to use with all known display modes defined in "graphics/displayinfo.h". Unknown modes are considered highres.
- Centering and mousing the window now also works on screens bigger than the maximum display size.
- Added some clipboard support. You can now paste the current directory, the current file or the complete path to the clipboard (see Project menu).
- If you consider the arrow gadgets as too fast, you may now configure a delay for them (see Design/Scrollbar menu)
- You can activate MFR with a hotkey now. Configuration of this key is ~ done with the CX_POPKEY tooltype (only one hotkey activated MFR at a time).
- Many tooltypes changed their name and meaning. You should avoid editing them directly and use MFR's menus instead.
- MFR is an AppWindow now, you can drag icons in it. This will only work with single icons, multiple drag is not supported yet.
- If you encounter a program not working with MFR, you can tell MFR to drop to the old file requester when being called by this program. This is done via the new tooltype REJECT. MFR tests this pattern against the current task name (ExecBase->ThisTask->tc_Node.ln_Name) and drops in case of match.
- Rewrote manual to reflect all the new features (I really hate writing ~ manuals).

1.40 v12

V1.2 (17-Mar-92)

Sorry again, this is also just a bugfix. I messed up something with the file search mechanism in V1.1. Now it should work.

- File searching did not work right in V1.1. Fixed this problem.
- MFR 1.1 could only be started from within sys:wbstartup/. This has been fixed.

- MFR now also rejects the german AssignX.
- Due to a strange compiler behaviour, every string was stored about five times in the executable. This bug has been fixed.
- MFR now has a second way of configuration. You may write your tooltype entries to the file "env:mfr.prefs", and MFR will parse them as usual. Entries in mfr.prefs will replace tooltypes in mfr.info with the same name. MFR recognizes changes in "env:mfr.prefs" and reloads it automatically, so you don't have to restart it every time you change your config.
- Included the program "TagScreens" from Martin Berndt to force old style screens to use the new Kick 2.x look.

1.41 v11

V1.1 (05-Mar-92)

Sorry, I didn't have the time to implement many new ideas. This version is just a bug fixed and little enhanced V1.0, so don't expect too much. New features will come up in near future.

- Some minor enhancements in design.
 - If the specified list font is 9 pixel or smaller, a second set of icons is used.
 - Because of problems with some programs, MFR will now cut off the slash following a directory name before returning.
 - An A2024 monitor is no longer considered LoRes.
 - The contents of Hide & Show gadgets are now passed back to the calling program, so they can be reused at later calls with the same structure.
 - The key combination <Alt><Return> now toggles between Drawer and Hide gadget or between File and Show gadget.
 - Fixed bug with the wrong calculated free disk space.
 - Fixed some other strange bugs.
 - MFR can now be called from CLI to pop up a file requester and print the results to stdout. See section 7.5 for details.
 - Added new tooltype NOTIFY to turn file notification on and off.
 - You may now select between six different scrollbar designs: Goonie, GoonieSym, Stuntzi, StuntziSym, Kick20 and Kick20Sym, configurable with the tooltypes SCROLLBAR and SCROLLBARL (lores).
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- MFR now uses the system-suggested colors for rendering (DrawInfo->dri_Pens). Images are also adjusted accordingly.
- Late- and Nonbinding-Assigns are now displayed.
- Added new tooltype DEFHIDEPAT to specify the a default value for the "Hide" gadget. If the application does not specify a hide pattern (ASL will never), DEFHIDEPAT is used instead. Otherwise, the given pattern and DEFHIDEPAT are concatenated using "(%s|%s)".
- FAST keyword now obsolete. Instead, MFR measures the time for finding the next directory entry and increases/decreases its internal entry buffer accordingly. Thus, display refresh is rare with fast medias but often with slow medias. Maximum number of buffered entries is adjustable with the new tooltype ENTRYBUF (1..50). With ENTRYBUF=1, MFR behaves just like FAST=OFF.
- Speeded up directory sorting algorithm. This will possibly result in faster directory reading on 68000 based machines.
- Since MFR does for some reasons not work with 'AssignX' (I really don't know why... any ideas?), the ASL requester will be called when the window title matches "Assignment for*".

1.42 v10

V1.0 (24-Jan-92)

- Initial release.

1.43 orderform

Registration form for MFR

Name: _____

Address: _____

Country: _____

Phone: _____

E-Mail: _____

I am sending the shareware fee via (please mark/delete as appropriate):

- ☐ DM 20.- in bills, coming with this letter.
- ☐ US\$ 15.- in bills, coming with this letter.
- ☐ EuroCheque, coming with this letter.
- ☐ Postal Money Order.
- ☐ Bank transfer.

I have read the license and distribution details and agree with them.

(Date)

(Signature)