

**FileMaster3.0**

COLLABORATORS

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# Chapter 1

# FileMaster3.0

## 1.1 FileMaster 3.0: Copyright © Toni Wilen 1995

FileMaster 3.0 Beta 2.2 -- Disk operating utility  
Copyright © Toni Wilen, July 1995. Shareware.

Info about FileMaster 3.0	Distribution, Information
Registration	FileMaster is shareware
Requirements	Needed hardware and software
Warranty	Disclaimer
Usage	How to use FileMaster 3.0?
Credits	Author contact address
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## 1.2 FileMaster 3.0: Introduction

```
*****
*
*          -----
*          FILEMASTER 3.0 Beta 2.2
*          -----
*
*          by Toni Wilen
*
*****
```

### Introduction

FileMaster is copyright ©1992-1995 by Toni Wilen, all rights reserved.  
FileMaster 3.0 is a complete rewrite of FileMaster 2.2. Please read this  
very short document carefully, because nearly everything has changed.

Better documents appear with next versions of FileMaster (I hope)

#### Distribution

FileMaster may be distributed freely, providing the following criteria are met:

- None of the files in the FileMaster distribution archive may be modified or omitted.
- No money is charged for it apart from media and small handling fee.
- FileMaster may be included in freely distributable software libraries, including the Fred Fish collection and CD-ROM distributions of the Aminet FTP site contents.
- FileMaster may not be bundled with any hardware or software product without prior written consent from the author.
- You may not reverse-engineer or modify the FileMaster executable on disk or on memory except for compressing it.
- You may not distribute keyfiles.

#### Information about long-awaited FileMaster 3.0

##### New features:

- Multitasking. You can for example format, copy and view pictures at the same time.
- Screen size&mode requester
- User selectable fonts for text, directory window and text viewer.
- Window size gadget. Useful if FileMaster is opened on Workbench or public screen.
- 1-8 directory windows simultaneously on screen.
- Full keyboard support.
- JPEG image viewer built in Kickstart 3.0/68020 -version.
- ShowPic/Show Asc/Hex and Hear have buffered input.
- Localizable
- AGA support

##### New features/features missing or incomplete, but will be implemented later:

- Own Intuition window for every directory list window

##### Suggestions and comments needed:

- Layout-config: Better ideas? Layout engine don't have any limitations on position and size.
- Better 24-bit RGB -> HAM8-converter
- About anything!

FileMaster 3.0 comes in two versions:

one for Kickstart 2.04, Workbench 2.0 or better,  
the other requires Kickstart 3.0, Workbench 3.0 and CPU 68020 or better.

---

Full AGA support and built-in JPEG viewer is only on Kickstart 3.0 version of FileMaster 3.0

## 1.3 FileMaster 3.0: Registration

### Registration

FileMaster is shareware. You can use FileMaster without registering as long as you wish, but only after registering and receiving your key file you can start using FileMaster without restrictions.

The key file you receive upon registering is yours exclusively. You must NOT give this file to anyone.

Key files contain the identification of the owner so the origin of the key file is easy to find.

Differences between unregistered and registered versions

- User commands aren't saved with configuration
- Requester reminding of registration

Click Register gadget for registration form Register

## 1.4 FileMaster 3.0: Warranty

### Warranty

THIS PRODUCT IS PROVIDED "AS IS" WITHOUT WARRANTY OF ANY KIND. ALL RISKS AND DAMAGES, INCIDENTAL OR OTHERWISE, ARISING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PROGRAM ARE ENTIRELY THE RESPONSIBILITY OF THE USER. THE AUTHOR DOES NOT MAKE ANY GUARANTEES OR REPRESENTATIONS REGARDING THE CORRECTNESS, RELIABILITY, ACCURACY, CURRENTNESS, ETC. OF THIS PROGRAM. THE AUTHOR WILL NOT ACCEPT RESPONSIBILITY FOR ANY DAMAGE OR LOSSES RESULTING FROM THE USE, MISUSE, OR INABILITY TO USE THIS PRODUCT.

## 1.5 FileMaster 3.0: Requirements

### Requirements

Depending on version FileMaster 3.0 needs Kickstart version 2.0 or Kickstart 3.0 and 68020 CPU or better.

FileMaster 3.0 needs regtools.library for screen mode and palette requesters. Powerpacker.library is needed only if you want to take advantage of FileMaster's automatic decrunch of Show Asc/Hex/Pic and Hear-commands.

Regtools.library and powerpacker.library are copyright © Nico François.

---

## 1.6 How to use FileMaster 3.0

FileMaster 3.0 Beta 2.2 -- Disk operating utility

Copyright © Toni Wilen, July 1995. Shareware.

Miscellaneous	Miscellaneous usage information
Keyboard support	Usage of keyboard
Build-in Commands	Explanation of commands
Configuration	Settings of FileMaster

## 1.7 FileMaster 3.0: Miscellaneous

### Miscellaneous information

When doubleclicking a file with the left mouse button, FileMaster first checks user commands for match and executes it if match is found. If no user commands match then FileMaster executes the appropriate build-in command according to file type. For example when you doubleclick a textfile, FileMaster will automatically use ShowAsc to view it.

You can use key shortcuts to select gadgets without mouse. Shortcut key is marked with underscore except on menu bar and buttons on bottom-right of screen.

Right mouse button can be used to abort most of the build-in commands.

You can rename and format volumes by clicking operate-gadget when the appropriate device is selected from device list.

Note: for safety FileMaster only formats devices smaller than 4MB

Right mousebutton click over free/used string above directory window rereads directory and over vertical proportional gadget goes to parent directory.

'<' and '>' below the directory windows goes to next and previous directory buffer. Number between arrows shows the number of the buffer (0-9) and by clicking it you can select directory buffer from a list.

'M' opens pattern match window

When for example copying you can click '<' and '>' gadgets to move to next/previous directory buffer and do something with them while FileMaster continues copying. (Multitasking must be active)

### Usage

Usage: FileMaster [-s]

The '-s' option puts FileMaster to sleep like Sleep-gadget.

---



## 1.8 FileMaster 3.0: Pattern match

Each directory window can have different sort and pattern match parameters. Default is shown in parenthesis.

```
Sort by    sort directories by name, size or date (name)
           sorting can be ascending or descending (ascending)
Mix files with directories (don't mix)
Display drawers last (display drawers first)
Name      name pattern (*)
           off/case sensitive/insensitive (case insensitive)
Size      file size (0)
           off/equal/nonenqual/smaller than/larger than (off)
Flags     pattern for protection flags ()
Date      date (system's time when FileMaster was started)
           off/older than/newer than (off)
Files     match,match always,don't match (match)
Dirs     match,match always,don't match (match)
```

Files and directories not matched are not displayed.

'xx/yy/zz files xx/yy/zz directories xx/yy/zz bytes' string means  
 xx=files or directories selected  
 yy=files or directories matched (displayed on screen and can be selected)  
 zz=total files or directories (matched+not matched)

## 1.9 FileMaster 3.0: Keyboard support

Keyboard support

FileMaster has full keyboard support.

cursor keys move selector-cursor.  
 shift+cursor keys move cursor faster and ctrl+cursor keys move  
 to the beginning or to the end of the list.  
 return is same as left mousebutton and shift-return right.  
 tab selects next directory window and shift-tab selects previous.  
 Gadgets which have key shortcuts can be cancelled by pressing control-key  
 while keeping the shortcut key pressed.

## 1.10 FileMaster 3.0: Build-in Commands

FileMaster 3.0 Beta 2.2 -- Disk operating utility

Copyright © Toni Wilen, July 1995. Shareware.

Miscellaneous

Build-in Commands:

Quit            Sleep

S->D	Config
Drives	Parent
Invert	Clear
Operate	Copy
Copy As	Move
Delete	MakeDir
ShowAsc	ShowHex
ShowPic	PlayMod
DiskInfo	Execute
DiskSize	ModInfo
Hear	FileEdit
DiskEdit	About
Register	

## 1.11 FileMaster 3.0: Miscellaneous

Miscellaneous

On build-in commands' configuration

Text after '-' means items on command's configuration.

On all commands' configuration:

Key shortcut   key shortcut character  
Front pen gadget label's front pen  
Back pen   gadget label's background pen  
Priority   process' priority (see General-config)

## 1.12 FileMaster 3.0: Quit

Quit

Exit FM

-

Are you sure? Turns 'are you sure?' requester on exit  
on and off

## 1.13 FileMaster 3.0: Sleep

Sleep

Iconifies FileMastes

-

Sleep window   Open sleep window with available memory  
and current time (If Workbench is unavailable  
sleep window is always opened)

## 1.14 FileMaster 3.0: S->D

S->D

Copies source window in to destination window

## 1.15 FileMaster 3.0: Drives

Drives

Lists all volumes, devices and assigns on source window.

## 1.16 FileMaster 3.0: Parent

Parent

Goes source window's parent directory

-

Directory buffers number of fast-parent buffers.

## 1.17 FileMaster 3.0: Invert

Invert

Clears all selected files/directories and selects all unselected files/directories on source window.

## 1.18 FileMaster 3.0: Clear

Clear

Clears all selected files/directories on source window.

## 1.19 FileMaster 3.0: Operate

Operate

Combined rename, set protection, date and change comment -command. Requester opens with gadgets for directory name, comment, date and protection flags. With All-gadget you can change protection flags, comments or dates for all selected files or directories.

---

## 1.20 FileMaster 3.0: Copy

### Copy

Copies selected files/directories to destination directory.  
 Directories which contains directories/files are also copied.  
 -  
 Refresh       Selects update method for destination  
                  (full/partial/until end)  
 Overwrite     (always/ask)  
 Clone comment   (yes/no)  
 Clone flags    (yes/no)  
 Clone date     (yes/no)  
 Check free space   Checks if destination has enough free space  
 Maximum buffer size   Maximum size of copy buffer

## 1.21 FileMaster 3.0: Copy As

### Copy As

Same as copy, but asks for destination name.  
 -  
 Refresh       Selects update method for destination  
                  (full/partial/until end)  
 Overwrite     (always/ask)  
 Clone comment   (yes/no)  
 Clone flags    (yes/no)  
 Clone date     (yes/no)  
 Check free space   Checks if destination has enough free space  
 Maximum buffer size   Maximum size of copy buffer

## 1.22 FileMaster 3.0: Move

### Move

Moves files and directories  
 If source and destination are on the same device Move uses  
 Rename(), but if they aren't Copy and Delete commands are used.  
 Config is used only if copying+deleting is needed. Rename()  
 automatically keeps comment and protection flags.  
 -  
 Refresh       Selects update method for destination  
                  and source  
                  (full/partial/until end)  
 Overwrite     (always/ask)  
 Clone comment   (yes/no)  
 Clone flags    (yes/no)  
 Clone date     (yes/no)  
 Check free space   Checks if destination has enough free space  
 Maximum buffer size   Maximum size of copy buffer

---

## 1.23 FileMaster 3.0: Delete

## Delete

```

Deletes files and directories
Directories which contains directories/files are also deleted.
-
Refresh      Selects update method for source
              (full/partial/until end)
Confirm deletion confirms before deleting anything
Confirm deletion of non-empty subdirecotries
Confirm deletion of protected files and dirs

```

## 1.24 FileMaster 3.0: Make directory

MakeDir

```
Create directory
Requester opens with gadgets for directory name, comment, date
and protection flags.
```

### 1.25 FileMaster 3.0: Show ASCII / HEX

## Show Asc/Show Hex

Shows files as text or in hexadecimal  
Plain/bold-face/italic/underscore and inverse video,  
foreground and background color control sequences supported.

```

cursor up/keypad 8  fast scroll down
cursor down/keypad 2  fast scroll up
cursor left/keypad 4  smooth scroll up
cursor right/keypad 6 smooth scroll down
keypad 7      top of text
keypad 1      end of text
keypad 9      page up
keypad 3      page down
J      jump to line
S      string search requester
R-Amiga + S    search
left mousebutton/<ESC>  exit
mouse pointer on top  fast scroll up
of screen
mouse pointer on bottom fast scroll down
of screen
-
Infoline always      show infoline always on bottom of screen
      turn this off if scrolling isn't smooth

```

## 1.26 FileMaster 3.0: Show picture

Show Pic

Shows IFF pictures, Workbench icons, fonts and colorfonts  
While viewing icons or fonts press keys 1-8 to change screen depth.  
Kickstart 3.0/68020 CPU version of FileMaster 3.0 can also  
show JPEG pictures. JPEG's are shown in HAM8 on AGA and in  
16 color grayscale on ECS/OCS chipset.  
JPEG code is based on Independent JPEG Group's C-sources.

left mousebutton/<ESC>/<Return> exits

## 1.27 FileMaster 3.0: Play module

Play Mod

Plays normal 32-sample ProTracker modules  
Right mousebutton click on the bottom of the FileMaster's screen  
stops playing.  
Key between ESC and TAB fast forwards

## 1.28 FileMaster 3.0: Disk info

DiskInfo

Shows technical information about real disks

## 1.29 FileMaster 3.0: Execute

Execute

Runs executables

t: must be assigned somewhere (preferably to ram disk) for  
Execute to work

-

Window      window parameter for NewCLI.

## 1.30 FileMaster 3.0: Disk Size

DiskSize

Calculates the size of the contents of selected directory/ies.  
Shows size in bytes, and number of files and directories.  
Calculates all sub-directories as well.

---

## 1.31 FileMaster 3.0: Module Info

ModInfo

Shows information about currently playing module

## 1.32 FileMaster 3.0: Hear

Hear

Plays RAW or IFF-8SVX samples

-

Ask frequency Asks new frequency always

Play from Disk=read from disk and play at the same time

Memory=reads sample in to memory before playing

Ask=asks play mode before playing

Default freq Default frequency for non IFF samples

Buffer size Size of playing buffers. (two buffers are allocated)

## 1.33 FileMaster 3.0: FileEdit

FileEdit

Edit files in ascii or hex

mouse with left button pressed turns editing mode on and moves cursor, right button turns editing mode off.

When editing mode is on:

cursor up/keypad 8 move cursor one line up.

cursor down/keypad 2 move cursor one line down.

cursor left/keypad 4 move cursor one character left.

cursor right/keypad 6 move cursor one character right.

When editing mode is off:

cursor up/keypad 9 previous page

cursor down/keypad 3 next page

cursor left/keypad 8 scroll one line up

cursor right/keypad 2 scroll one line down

keypad 7 move to start of file

keypad 1 move to end of file

Gadgets on bottom of screen:

Find Searches for text or hexadecimal string, key shortcut 'f'

Right Amiga + 'f' continues searching

Following search modes are possible:

1. String search

The first character must be something else

than a '\$'. No case dependency. Max. 32 characters  
 Example: "find me"

## 2. Hex search

First character must be '\$'  
 Max. 31 characters (15 bytes)  
 Example: "\$03d27f"

Undo Undoes changes in editing area. Key 'u'  
 (Scrolling up/down also undoes all changes)

Write Writes changes to disk. You can't undo this. Key 'w'

Exit Exits FileEdit. Key 'e'

NOTE: Key shortcuts can not be changed and text fore/background  
 is same as on FileEdit's gadget label

## 1.34 FileMaster 3.0: DiskEdit

### DiskEdit

Edit track supporting devices directly.

\*\*\*\*\* WARNING \*\*\*\*\*

Don't use DiskEdit, if you don't know what you are doing!!  
 You can destroy your files, if used incorrectly!!!

\*\*\*\*\*

DiskEdit goes directly to root block or to file/directory header  
 block if disk is dos-disk and you have selected directory or file  
 from directory list.

mouse with left button pressed turns editing mode on and moves  
 cursor, right button turns editing mode off.

When editing mode is on:

cursor up/keypad 8      move cursor one line up.  
 cursor down/keypad 2    move cursor one line down.  
 cursor left/keypad 4    move cursor one character left.  
 cursor right/keypad 6   move cursor one character right.

When editing mode is off:

cursor up&left/keypad 8 previous block  
 cursor down&right/keypad 2 next block  
 keypad 7            first block (0)  
 keypad 1            last block (depends on device)  
 keypad 9            page up if screen size is  
                      smaller than blocksize  
 keypad 3            page down if screen size is  
                      smaller than blocksize



B        next block  
T        next track  
S        next sector  
H        next head  
SHIFT + B        previous block  
SHIFT + T        previous track  
SHIFT + S        previous sector  
SHIFT + H        previous head

Gadgets between edit windows and message window:

window with the device        root block  
name on it

string gadgets next to        enter position directly  
B/T/S/H -characters

B/T/S/H -characters        left mousebutton adds and  
                              right mousebutton subtracts  
                              value next to it by 1

Gadgets on bottom of screen:

Find    Searches for text or hexadecimal string, key shortcut 'f'  
      Right Amiga + 'f' continues searching  
      Following search modes are possible:

1. String search  
   The first character must be something else  
   than a '\$'. No case dependency. Max. 32 characters  
   Example: "find me"
2. Hex search  
   First character must be '\$'  
   Max. 31 characters (15 bytes)  
   Example: "\$03d27f"

Undo    Undoes changes in editing area. Key 'u'

Write   Writes changes to disk. You can't undo this. Key 'w'  
      Asks if you want to fix checksum (only if  
      checksum isn't already correct)

Exit    Exits DiskEdit. Key 'e'

NOTE: Key shortcuts can not be changed and text  
      fore/background is same as on DiskEdit's gadget label

-

Ignore LowCyl If selected DiskEdit ignores de\_LowCyl from  
      disk environment array. Note: DiskEdit doesn't  
      find root block or file/dir headers correctly  
      when this is selected! Useful for examining  
      harddisks' RDSK-blocks.

## 1.35 FileMaster 3.0: About

About

Shows the user's name if registered and author's address.

## 1.36 FileMaster 3.0: Register

Register

Writes the registration form to file or to printer.

## 1.37 FileMaster 3.0: Configuration

FileMaster 3.0 Beta 2.2 -- Disk operating utility

Copyright © Toni Wilen, July 1995. Shareware.

Configurations:

screen/layout configuration  
build-in/user commands  
general configuration

## 1.38 FileMaster 3.0: Screen / Layout Configuration

Screen configuration

(R) = needs reqtools.library

1. Select main screen's size and mode (R)
2. Select text viewer screen's size and mode (R)
3. Select text font (R)
4. Select list font (non-proportional) (R)
5. Select requester font (R)
6. Select text viewer font (non-proportional) (R)
7. Select small font (This font is used if requester doesn't fit on screen with requester font) (R)
8. Layout (see below)
9. Palette (see below)

Window     if yes, FileMaster's main window can be dragged,  
             depth arranged and re-sized.

Screen     Public screen=FileMaster opens its screen as a  
             public screen called 'FM'  
             On public screen=FileMaster opens its window on  
             public screen written on string gadget  
             (defaults to 'Workbench')

---

Custom screen=FileMaster opens its screen as a custom screen  
 Vertical and horizontal scrolling  
 Selects smooth or jump scroll for list windows.

#### Layout

This is used to change the number of directory windows on screen  
 Unfortunately I don't know how to explain this easily..  
 Try it out yourself...

#### Palette

name: affects:  
 directory directories, devices, volumes and assigns  
 file files and unselectable lines on devicelist  
 text all texts outside of directory windows  
 highlight selected items background  
 back text background  
 backfill requesters' background  
 main backfill FileMaster window's background  
 source list source's color (background of free/used-text)  
 dest list destination's color (background of free/used-text)  
 scroller scroll bars  
 path path string gadgets' background

Edit palette palette editor (R)

## 1.39 FileMaster 3.0: Build-in / User commands

#### Commands

Configuration for commands  
 (see build-in commands section for details)  
 Next page toggles between build-in and user commands

#### User Commands:

F1-F10 starts user commands 1-10 and Shift+F1-F10 user commands 11-20

Window open a shell window?  
 CD CD to destination, source or don't change  
 Rescan reread source, destination or both  
 after command is executed  
 Start screen pop Workbench or FileMaster to front  
 before executing command  
 End screen pop Workbench or FileMaster to front  
 after command is executed  
 Label gadget's label  
 Pattern \*(.lha|lzh) for lha archives etc...  
 user command is executed if user doubleclicks  
 file with matching pattern  
 Signature offset,\$hexadecimal bytes/"string",offset...  
 if doubleclicked file has these bytes starting from

offset byte then this file will be executed  
check out default user commands for examples!  
Command executable command with parameters  
Stack size of stack

parameters:

{d} Destination directory name  
{f} First selected entry (with path)  
{F} All selected entries (with paths)  
{o} First selected entry (name only)  
{O} All selected entries (names only)  
{r,text} String requester  
text=string gadget's label  
{s} Source directory name

## 1.40 FileMaster 3.0: General Configuration

General

Multitasking turns FM's internal multitasking on and off  
when this is on, you can swap directory  
buffers and/or run many commands at the  
same time.

Main priority FM main process' priority  
Low/Med/High priority priority levels for commands  
File buffer size size of buffer for disk operations  
Doubleclick time doubleclick time in hundreds of seconds  
Right mouse button doubleclick/Parent

## 1.41 credits

Credits

All design, developing and coding by Toni Wilen  
Icons designed and created by Jani Wilen  
Manual AmigaGuide® conversion by Petri Koistinen

For registration see Register command

Contact address:

Toni Wilen  
Sudentie 4  
13600 HML  
Finland

email: twilen@sci.fi

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        Clear

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        Copy As

        Move

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    build-in/user commands

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---