

07e35358-0

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Chapter 1

07e35358-0

1.1 FileMaint v3.0 Documentation

```
----- FileMaint v3.0 (C)
Mike Everest
1995 -----
```

**** WARNING ****

Due to the constant development of the program, this document file is in some places slightly outdated, and in a few outrageously inaccurate.

I apologise for these problems, and will try to fix it when i get the chance! :-}

**** WARNING ****

Contents:

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Licence/Distribution
Introduction/Features
Upgrading from FileMaint 2.x
First Time Setup
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The GUI
Shell Interface
Interactive Mode
Maintenance Menu
Settings Menu
```

Commandline Options
Custom File Headers
ARexx Support
Technical Information
Future Directions
Contacting the Author

1.2 Licence/Distribution

----- FileMaint v3.0 (C)
Mike Everest
1995 -----

License Agreement: -----

The unregistered version of FileMaint is realeased as 'Freeware' - that means that you can use it as much as you like and for as long as you like at no charge whatsoever. Of course if you really want to, you can send me some token of appreciation - an interesting program you have written, or a small monetary contribution (if you must! ;-)

If you like it enough to want a fully registered version, then you can send at least AUS\$20 to the
address
listed in this doc.

For your contribution, you will receive:

1. The latest release (or beta version) of FileMaint 2. Your own personal keyfile.

The keyfile will unlock all the most powerful functions that FileMaint performs, including keyword and filename searches, and creation of full-bbs-lists.

I intend to try to release a new version/update for each contribution i receive, so do yourself and other users a favour and send your contribution today! :)

1.3 Introduction

Introduction:

Thank you for taking an interest in FileMaint!

This utility is the ultimate replacement for
TransAmiga
's current file
handling routines. Here is a list of features:

- * Users can mark files by number - no more typing in whole filenames!
- * Fast location of any file in the filebase by a partial filename, or keyword in the file description.
- * Multiple line file descriptions - no longer are you limited to a measly 40 characters of text!
- * File_ID.diz checking - if there is a file_id.diz in the archive, FileMaint can automatically add it to the file description!
- * Filenote support - if the file has an associated filenote, it too can be used in place of a manually typed in description.
- * Offline file support - missing files can be marked as 'offline', and replaced quickly and easily.
- * Complete file maintenance - with FileMaint, you can delete, edit descriptions or move to another file library quickly and easily.
- * FileMaint is 100%
TransAmiga
Friendly! When used as an online TA utility, FileMaint checks and knows about user's access levels, flags and upload/download settings, and will act or modify accordingly.
- *
Custom File Library Headers
. You can easily configure FileMaint to use your own custom made file library header files for that personal touch!
- * Creates custom filelists from standard files.bbs and vice-versa.
- * Users can mark files today - download them tomorrow. FileMaint can keep a record of files marked that the user has not yet downloaded.
- * Hidden Files (For Sysop only)
- * Creation of Full BBS Lists automatically.

There are three main modes that FileMaint operates under - interactive GUI, interactive shell, and commandline.

The
interactive GUI
mode provides the sysop with a comprehensive
point-and-click interface to all file library maintenance functions.

In
interactive shell
mode, all file management functions can be managed via a

standard amigados shell, making it an ideal way to manage file libraries offline by a remote sysop or co-sysop.

In

commandline mode

, FileMaint can be used to automatically add file_id.diz descriptions, bulk upload several files at once, or run as a task under

TransAmiga

for online display and searches.

1.4 First Time Setup

FileMaint v3.00 for the first time user: ↔

=====

If you are running FileMaint for the first time, you will be required to choose your runtime configuration as well as set up your file areas before using the main maintenance system or commandline functions.

This task is made simple by the built in

Configuration

and

File Area

editors

. When running Filemaint for the first time, you will be ↔ presented

with the Configuration Editor Window. Choose those settings that best suit your needs and save the settings when finished. The configuration options are described

here

.

After completing the configuration options, you will then be presented with the File Areas Editor Window. Each of the options presented in this editor are described

here

.

You must have at least one File Area listed before the FileMaint's Main Window will appear. If you happen to be running a

TransAmiga

system then you

are in luck! FileMaint can convert TransAmiga's File.Cfg to FM.areas format. Just use the menu option to load the TransAmiga File.Cfg and save the resulting areas as a FileMaint areas file.

On completion of the areas setup, you will be presented with the

FileMaint Main Operations Window

. All the options in this window are outlined

here.

You will notice that there are no files listed yet, but don't worry, it is not a difficult task to do so! ;-)

Before generating the file lists, Choose Edit->archive_methods from the Main Operations Window Menu, and enter your particular archive commands. If you have previously loaded a TransAmiga File.Cfg, then there will already be some archive data listed here. The options presented in the Archive Type Editor Window are described here. Make sure that you save the data before exiting the Archive Editor.

If the directories containing your file areas already have a files.bbs format file in them, then all you need to do is to click on the button marked "Gen FList" and all listed files will appear in the list window.

If you wish to process all areas at once, then click on the button marked "Current Area" and then ALL areas will be generated at once.

If you don't have any files.bbs lists, then you can click on the button marked "Adopt" and any existing files will be added to the list. Unless you choose "NoQuiet" mode, any file without a file_ID.DIZ or filenote description will be added with the default description defined with the configuration setting.

Once you have generated all your file lists, then you are ready to go!

1.5 Configuration Editor Window

The Configuration Editor Window contains all the necessary options that determine how FileMaint behaves during runtime. ↔

Currently, the configurable options are as follows:

Offline

Diz

Filenote

Autologoff

Strict DL

HotKeyMark

Upload Check

MaxMarked

Max Description Lines

List Path

Markedfiles Path

Default File Header

Default Description

1.6 offline

OFFLINE

This option causes FileMaint to mark files that are listed in the file list but not in the specified path as OFFLINE. OFFLINE files appear as normal when listed by the bbs user, but have the tag "-OL-" instead of the file size feild.

1.7 diz

DIZ

This option will cause FileMaint to use a File_ID.DIZ, if detected, for file descriptions. If no DIZ is found, FileMaint will default to filenotes, and if no filenote is detected, will use the default description.

1.8 filenote

FILENOTE

Set this option if you want FileMaint to use filenote comments as file descriptions. If the DIZ feature is enabled, file_ID.DIZ if detected, will be used in preference.

1.9 autologoff

AUTOLOGOFF

Set this option if you wish to allow users to automatically logoff after downloads. (ie display the "(L)ogoff after download" prompt before commencing download)

1.10 strict DL

STRICTDL

Normally, FileMaint will allow new users to download their limit of files/bytes without having to upload anything. That means that if you set a 10:1 file ratio for users, then a new user will be allowed to download 10 files before they must upload anything. Using this option will cause FileMaint to insist that a user uploads 1 file first before being allowed to download their 10 file limit.

1.11 hotkeymark

HOTKEYMARK

Normally FileMaint will prompt the user with a feild of 20 characters to accept a number of files to mark. (eg: mark files "20 21 23 26". you can use this option to cause FileMaint to prompt for a maximum of two characters, allowing users to tag multiple files by typing them in without having to press <return>

1.12 uploadcheck

UPLOADCHECK

FileMaint normally won't bother checking whether an uploaded file already exists somewhere else in the filebase. This option will cause FileMaint to check uploaded files. Set this option to ENABLED to search *all* file areas for dupes, SECURE to check only areas that the current user has access to. Select DISABLED if you do not want to check uploaded files.

If a duplicate is found, an appropriate message is displayed to the user and the file deleted. (no file credits are granted for duplicate files uploaded)

1.13 maxmarked

MAXMARKED

This value sets the maximum number of marked files allowed by a user at any given time.

1.14 Maximum Description Lines

Max Description Lines

This value determines the maximum number of lines that may be entered by a user when entering descriptions for a file just uploaded. NOTE: this value will *not* inhibit the number of file_ID.DIZ lines used.

1.15 Default Description

Default File Description

This option will allow you to change the description assigned to a file without any filenote or DIZ description.

1.16 List Path

List Path

This option tells FileMaint where to keep the *.lst and *.dsc files and other associated data such as header files. Leave this option blank if you prefer to have these file kept in the individual area path.

1.17 Marked Files Path

Marked Files Lists

This option tells FileMaint where to keep details of files that have been marked by users but not yet downloaded. This information is used by filemaint to allow users to "mark now - download tomorrow". If you do not care about this option, then assign it to 't:' or 'ram:'

1.18 Default File Area Header

Default File Area Header

This field contains the name of the file to be displayed before displaying a list of files. FileMaint will automatically append a .asc for ascii users, or .ans for users with ansi emulation turned on. FileMaint uses TransAmiga's own file display routine to output this file, so that any TransAmiga 'embedded control character' will behave as expected when viewed through the BBS.

1.19 Main Operations Window

FileMaint Main Operations Window

This is where most of the useful maintenance tasks are carried out.

On the left hand side of the window are the function buttons, and on the right hand half is the File Area display.

There are also some menu items active with this window.

1.20 File Area Editor Window

This File Areas Editor Window allows you to modify, add, and remove file areas from you files base.

You must have at least one File Area in order for filemaint to operate correctly.

Currently, available options are as follows:

- Area Number
- Area Name
- Area Path
- Read Security
- Download Access
- Upload Access
- Area Flags
- CD Area
- Hidden Area
- Insert area
- New Area

1.21 Area Number

Area Number:

The area Number contains the number of the current file area. This number should be referred to when running FileMaint in commandline mode.

The buttons to the left (" $<$ ") and right (" $>$ ") will jump to the previous and next file areas respectively, if they exist.

Entering a new number in the area number box will cause FileMaint to jump to the specified area number.

1.22 Area Name

Area Name:

This field contains the name of the current file area. Editing this field will change the name of the file area. Clicking on the button to the right of the Area Name field (marked "?") will bring up a requester listing the names of all existing file areas. Use this feature to quickly change between File Areas.

1.23 Area Path

Area Path:

This field contains the fully qualified pathname to the directory containing the File Area contents. Clicking the button to the right of this field (marked "?") will bring up a file requester for quick browsing of your directory structure.

1.24 New Area

New Area:

This button adds a new File Area to the end of the current list.

1.25 Insert Area

Insert Area:

This button inserts a new File Area preceding the current Area.

1.26 Remove Area

Remove Area:

Removes (deletes) the current area from the list.

1.27 CD Area

CD Area:

This button is checked if the file area exists on a CD ROM volume. Use this function to prevent these areas from being scanned for new files and other functions not relevant for CD volumes.

1.28 Hidden Area

Hidden Area:

Setting this flag will prevent any changes occurring to the specified File Area. Use this switch to hide the area completely from any access or commandline functions.

1.29 Read Security

Read Security:

This value sets the minimum security necessary for a user to list the contents of the current area.

1.30 Upload Access

Upload Access:

This value sets the minimum required security necessary to allow a user to upload files to this area.

1.31 Download Access

Download Access:

This value sets the minimum required security necessary to allow a user to download files from this area.

1.32 Access Flags

Access Flags:

These flags determine the settings necessary for a user to gain any access to the current file area.

1.33 Archive Types Editor Window

1.34 Main Window Display

The Display Section shows information about the files listed within the current File Area:

The box labelled "Area Number" displays the number of the current File Area. Changing this number will cause FileMaint to jump to the specified area. Clicking on the buttons to the left (" $<$ ") or right (" $>$ ") of the Area Number box will jump to the previous and next areas respectively, if they exist.

Changing the contents of the "Area Name" box will cause FileMaint to jump to the first File Area with that name if one exists. Clicking on the button marked "?" to the right of the Name field will bring up a requester listing all available file areas. Click on one of the elements to jump to that File Area.

Below the Area Selection control is the List Contents Display. This box lists the filenames of all files currently listed in this File Area. Click on any element to display the file description in the File Description Box below.

1.35 Main Window Functions

The following buttons are available to manipulate individual files \leftrightarrow
:

Move

Edit

Remove

Kill

Copy

Delete

Rename

Download

These functions will process the file lists:

Adopt

Rescan

Gen FList

Gen F.BBS

Sort

These options control the general behaviour of the functions:

Current Area
Quiet

Alphabetical

1.36 The GUI

The GUI is divided into four parts.

1. The Main Operations Window
2. The File Area Editor Window
3. The Configuration Editor Window
4. The Archive Type Editor Window

1.37 Upgrading from FileMaint v2.x

Upgrading from a previous vesrion of FileMaint:

If you are upgrading from version 2.36 or earlier, then you **MUST** generate a new set of data files. *.lst and *.dsc files for v3.0+ are NO LONGER COMPATABLE with earlier versions, and vice versa.

To achieve this, use your current (old) version of FileMaint to generate an up to date set of files.bbs lists, and then simply follow the first-time user setup instructions. Once you have finished, all your existing rexx scripts will work as before, so just delete your old lists and throw away the redundant executable ;-)

1.38 Quick Installation

Quick Installation:

This section briefly describes how to get FileMaint running quickly with TransAmiga. To customise your setup just the way you like it, then it is recommended that you read the relevent sections on FileMaint's
commandline

options

.

- a) Make backup copies of the following files:
- upload.trans
 - file.cmds

- file.rx you may not need to keep the backups, but if you make a silly mistake, like copying over the top of something you really needed, then it would be a shame to lose it! ;-)

b) Drag the FileMaint icon into your bbs:bin directory.

c) If you already have a file called 'upload.trans' in your rexx.trans directory, then modify it to include the lines in the supplied upoad.trans example. **note - make sure that the script ends with 'exit 10' so that TransAmiga will not enter it's own file descriptions routine!

d) Copy the remaining #?.trans (careful not to overwrite any existing upload.trans!)

e) Examine the contents of the example config files 'file.cmds' and 'file.rx' and modify your own accordingly. (If your setup is fairly standard, you can just copy them straight over if you want)

f) Follow the instructions given in the section for

First Time User

. If you

are upgrading FileMaint from a previous version (2.36 or below) you should look at the relevent section on

upgrading

.

FileMaint is now installed and ready to go on your BBS! From here, all you need to do is to 'tweak' the various settings to customise your own implementation. Have fun!

1.39 Interactive Mode

Interactive mode:

To run FileMaint in interactive mode, just enter the commandline without any of the <command> options. (note that all switches and other options can be specified if required)

Apon entering the interactive mode, you will be asked to select a file library to work with (just pressing return will default to area #1) and then you will be presented with the FileMaint Main Menu.

The following Functions are available at the Main Menu:

M

Maintainence

F

Find Unlisted Files

C

Change File Area

```
R
  Rescan Area

>
  Next Area

<
  Previous Area

L
  List Files

U
  Unmark Files

G
  Generate File List

B
  Generate Files.BBS

S
  Settings Menu

Q
  Quit

O
  Sort
```

1.40 Maintenance

(M)aintenance - this option will transfer control to the maintenance routine. You will be presented with the Maintenance Menu, with options listed below in section 5.

1.41 Find Unlisted Files

(F)ind unlisted files - pressing this option will scan the current file library for any files not currently listed in the list. If any are located, the number of files found is reported, and the upload routine is executed, mimicking the same procedure as if a user had just uploaded those files.

Note that by default, FileMaint will search the files for file_id.diz descriptions, then filenotes (in that order) before asking for a manually entered description. These options may be deactivated from either the commandline, or from the settings menu (described later).

1.42 Change File Area

(C)hange file library - This function will prompt you to choose a new file library to work on.

1.43 Rescan File Area

(R)escan this area - Use this function regularly to maintain, pack and purge the filelists. For speed and versatility, FileMaint does not actually remove entries from the lists when they are 'deleted', but simply marks those entries as unavailable. In order to purge these deleted entries from the lists, the file lists should be rescanned at regular intervals.

The second use for the rescan option is to implement offline file support. If you would like to physically remove files from your disk to free up space temporarily, but still wish the files to be viewed by users, just delete the file and rescan the area with the 'offline' option turned on. (see description of offline option in 'settings menu' and 'commandline' descriptions)

To make the file available again, just copy the files back into the relevant directory and rescan the lists again to restore the file entries to their original condition.

1.44 Next Area

(>)Next file area - Moves to the next file area (if one is available).

1.45 Previous Area

(<)Previous File Area - Moves to the previous available file library.

1.46 List Files

(L)ist files in this area - Generates a listing of all files in the current library. The list will include new files since a given date, or files less than n days old, if either of the '-t<date>' or '-n<days>' commandline switches were enabled, or if the relevant details in the 'settings' menu have been defined.

Note that by default FileMaint does not display file

entries marked as offline. If you wish to view offline files, then you should use the '-o' commandline switch or use the relevent function in the 'settings menu'.

1.47 Unmark Files

(U)nmark files - this functio will present you with a list of files that have been marked during file list browsing, so that particular files can be 'unmarked'. If there are no files left that are marked, FileMaint will return to the main menu automatically.

1.48 Generate File List

(G)enerate FileList - this function will read a standard files.bbs format file list (as generated by TransAmiga) and create FileMaint's own special 'database' files. FileMaint keeps two separate files to maintain file listings (For more information about thse two files, see the section 'technical information' later in this doc file.)

Note that there are some other third party utilities that place a download count in the first few bytes of the files.bbs description. FileMaint is aware of many of these formats and will attempt to strip the count out of the description, and include the info in it's own download counters.

1.49 Generate Files.BBS

Generate Files.(B)BS - this function will do the opposite of the previous. For those who wish to keep up to date copies of standard files.bbs lists for utilities such as total list generators and the like.

1.50 Settings

(S)ettings Menu - this function moves control to the settings menu.

1.51 Quit

(Q)uit - Quits FileMaint and returns to the commandline shell.

1.52 Sort

S(O)rt - Sorts the current file list by the method defined by either the
-S
commandline switch, or by
option '5'
in the
Settings menu
.

1.53 Maintenance Menu

The Maintenance Menu:

After pressing 'M' from the Main Menu, the following options are available. Note that you need to mark the files in the usual way before you can process them.

For all of the following options, you will be asked if you want to process ALL files with the selected option automatically, or whether you prefer to be asked first before each file is processed.

Choosing the latter (Ask First) will allow you the option of skipping some or all files, or quitting the function at some stage within the marked files list.

Available Functions:

```
M
  Move Files      *

R
  Remove Files   *

D
  Delete Files   *

K
  Kill Files     *

C
  Copy Files

E
  Edit Descriptions *

W
  Download Files

U
  Unmark Files
```

N
Rename Files

Q
Quit

NOTE: Functions marked thus '*' will leave excess data in the datafiles, therefore requiring that a 'rescan' be performed on the area. You will be prompted to rescan the area either when you change to a new area or quit the program before doing so. (Don't forget that you might need to create a new files.bbs as well if you are using them)

1.54 Move Files

(M)ove files - this option will copy the marked file(s) to another file library removing both the file and entry from the original location.*

1.55 Remove Files

(R)emove entry - this option will remove the entry (or entries) from the file listing, but not delete the file from the directory.*

1.56 Delete Files

(D)elete files - opposite to 2. This will delete the file, but keep the entry. (make sure that you rescan the area before proceeding.*

1.57 Kill Files

(K)ill files - removes the file description from the filelists, AND deletes it from the disk.*

1.58 Copy Files

(C)opy file - Just copies the file to the specified area, and adds the description to the destination filebase. The file is not removed or deleted from the original location.

1.59 Edit Descriptions

(E)dit description - As suggested by the name, you can use this function to edit the description of the specified file(s). **NOTE that currently the file edited will also be moved to the end of the file list, the download counter reset, and upload date changed to the current date.*

1.60 Download Files

Do(W)nload - invokes FileMaint's download routine.
If the command has been run from a CLI shell, then FileMaint will prompt for a choice of directory to copy the marked files into.

1.61 Unmark Files

(U)nmark files - invokes FileMaint's 'Unmark' routine. This function displays a list of all the files marked, and allows removal of some or all of the listed entries. FileMaint will calculate an estimate of the download time, and notify the user if online time is insufficient.

1.62 Rename Files

Re(N)ame files - Use this function to rename the marked file(s).

1.63 Quit

(Q)uit - have a guess! ;-)

1.64 Settings Menu

The Settings Menu:

Pressing 'S' from the Main Menu will pass control to the settings menu. Use this menu to define various runtime options:

Available Options:

1
Offline Mode

2	File_ID.DIZ Handling
3	Filenote Handling
4	Date Settings
4	Sort Type

1.65 Offline Mode

Missing files will be [removed|offline] - this function sets the 'offline' option for rescan and file list functions. By default, FileMaint will remove file entries for files missing from the related disk directory, and will not display missing files during a file listing.

Toggle this switch to alter those defaults.

1.66 File_ID.DIZ Handling

File_ID.DIZ files will be [used if present|ignored] - By default, FileMaint will search new files for a file_id.diz description and use it for the description in the file list. Use this option if you do not wish to have these (sometimes very lengthy!) descriptions used.

1.67 Filenote Handling

Filenotes will be [used|ignored] - By default, FileMaint will only use filenote descriptions if no file_id was found (or if the diz option is inhibited as in the function above) use this switch to disable filenote adding altogether.

1.68 Date Settings

Update [all files|files since <date>] - use this option if you wish to search for only recent files. Enter a number of days at the prompt to search for files newer than that number of days old. Enter a negative value to view ALL files.

1.69 Sort Type

Sort Lists by <type>

just press key '5' to cycle through the different sort types. Sort the file lists by pressing the '

```
0
' key at the
main menu
.
```

1.70 Commandline Options

Commandline options:

To check the commandline template for FileMaint, just enter "FileMaint ?" at the cli.

FileMaint recognises the following commandline options:

FileMaint

```
[-l<TA line number>]
```

```
[-c<configfile>]
```

```
[switches]
```

```
[commands]
```

```
  ** Show me an
example
  Please!
```

1.71 TransAmiga BBS Line Number

<TA line number> is the TransAmiga line number to redirect IO to/from.

```
eg: FileMaint -l0 - will run FileMaint and redirect all io to
      TransAmiga BBS line 0
```

1.72 Commandline Alt-Config

<configfile> TransAmiga's file.cfg if other than "bbs:configs/file.cfg".

```
eg: FileMaint -ll -cbbs:configs/local.cfg - will use the local.cfg
      instead of TransAmiga.cfg
```

1.73 Switches

switches can be one or more of:

- <-|+>a Turns ANSI codes <OFF|ON>

 - <-|+>p <Disable|Enable> "Press return to continue" prompts but
leave all other output active.

 - <-|+>q Quiet mode - no prompts or other output
* see also Settings Menu QUIET option.

 - <-|+>f Turn filenote checking <OFF|ON>. Normally filenotes will be
checked according to the config file option. Use this
switch to override the configfile option setting.
files take highest precedence.
* see also NOFILENOTE configfile option.
* see also
FILENOTE setting
.

 - <-|+>z Turn FILE_ID.DIZ checking <OFF|ON>.
* see also NODIZ configfile option.
* see also
File_ID.DIZ
handling.

 - <-|+>o Turn Offline Mode <OFF|ON>. If a rescan detects a file that
is marked as missing, the entry will be updated as required.
* see also
OFFLINE
configfile option.
* see also
OFFLINE Mode
.

 - n<days> Sets the maximum number of days old (since uploaded) a
file should be for it to be processed during an 'update'
or 'Newfiles' process. (see update command)
* see also UPDATE setting.

 - t<yymmdd> Sets the date of the oldest file to be processed. (this
value is used in both the Update and Newfiles scan)

 - k<keyword|filename> sets the keyword/filename or part thereof to search
for when scanning for files.
This switch is also used to define the output filename for
the full bbslist function.

 - r Causes FileMaint to wait for
ARexx commands
.

 - s Overrides the user's access level with this security level
between 0 -> 255;
-

-S<type> Sort type where <type> is:
 a = alphabetical (default)
 A = reverse alphabetical
 d = date (newest file last)
 D = reverse date
 s = size (smallest first)
 S = reverse size

-x Overrides the user's security flags with this switch (see
 examples
)

-d Debug mode - set this on, and watch the monitor output go
 haywire!! ;-) <not recommended!>

1.74 Commands

commands can be one or more of:

l

<number>
 Search for new files in area <number>. Omit the <number>
 feild to search all libraries. If the -n or -t switch
 above is set, FileMaint will search for new files as
 specified.
 * see also interactive
 LIST
 command.

f

<number>
 Same as the 'find unlisted files' in the interactive mode,
 scanning and adding all files in the lib directory
 <number> not listed in the file listing, blank to process
 all file libraries.
 * see also interactive
 FIND
 command.

r

<number>
 Rescans the file area(s) as described above for
 interactive mode.
 * see also interactive
 RESCAN
 command.

g

<number>
 Generate custom file database for area <number> or blank for
 all file libraries. This function will read a standard
 files.bbs list and create FileMaint's own database files.

- * see also interactive
GENERATE LIST
command.
- b
- <number>
Create a standard Files.BBS file list for the given file area.
* see also the interactive
GENERATE FILES.BBS
command.
- B
- <number>
Create a complete list of all files in all areas on the BBS. Use this in conjunction with -s and -x switches to create specific or sub-lists. The commandline switch -k MUST be used to define the filename in which to save the output.
- k
- <number>
Search the file list for a file containing the keyword as specified with the '-k' switch mentioned above.
- s
- <number>
Search the file librarie(s) for a filename containing the character sequence specified with the '-k' switch.
- S
- <number>
Sort the file entries alphabetically, or as defined by the commandline switch "-S"
- m
- Enter the marked files update routine.
* see also interactive
UNMARK
command.
- d
- Enter the file download routine.
* see also interactive
DOWNLOAD
command.
- u
- Enter the file upload routine. ****NOTE**** FileMaint will not actually control the upload process. You must use TransAmiga's own routine for this. Just call this function from your upload.trans file and be sure to exit the script with 10 or above. (see the supplied upload.trans script)

1.75 File Area Number

Any command line option that accepts a file area number as argument can also accept a RANGE of numbers in the format <lowarea>--<higharea>. for example, to list the contents of areas 5 through 20 inclusive, use the commandline:

```
FileMaint 15-20
```

Omitting the area number altogether will process/scan *all* available areas.

1.76 Commandline Examples

for example:

```
FileMaint +q -z fl2 : Find unlisted files in area number 12 with no
                    prompting to the user, and ignoring diz files.
                    (this is a useful command to run from your tick.rexx
                    script)
```

```
FileMaint -s100 -x--xx--xx -kram:bbslist.txt B : creates a full bbs list for
                    users with security <= 100 and minimum user flags
                    '--xx--xx'
```

```
FileMaint -kblah s : searches ALL file areas for any entries with filenames
                    or descriptions containing the string "blah". Matches
                    might include:
```

```
wunderBLAH.lha 12K 950103 [0] a file that does nothing.
whatsit.lzh 1.2M 941224 [1] open wide and say BLAH.....
```

**for further examples, see the supplied #?.trans scripts

1.77 Technical Details

Technical Information:

This section is for those who are interested in some of the technical aspects of this utility.

COMPILER ----- FileMaint was compiled using the SAS C v6.2 compiler

LIST DATAFILES ----- FileMaint's main functions operate on two data files for each file area present. The (G)enerate function will create the objects 'files.lst' and 'files.dsc' in each file library directory, or if the config option 'LISTDIR' is used, then the files are kept in the specified directory and named <area number>.lst & <areanumber>.dsc The contents of these files are as follows:

Files.lst contains one data structure for each file present in the listing. The C structure definition for the entries are as follows;

```
/* definitions for file_entry flags */
```

```

#define UNAVAILABLE 1 #define OFFLINE      2 #define DELETED      4 #define
PRIVILEGED 8

struct list_entry
{
    int flags;          /* flags as described above */
    char name[32];     /* filename - must be less than 32 characters!! */
    char size[5];      /* size in format nnn[K|M|b] eg 1.5K, 112b... */
    char uploadname[24]; /* username of uploader ("sysop" by default) */
    long date;         /* date uploaded in format YYYYMMDD */
    long dl_count;     /* number of times downloaded */
    long descpos;      /* position in associated files.dsc of description */
    long numlines;     /* number of 40 character description lines */
};

```

Files.dsc contains all the text associated with the file entry descriptions and the associated file number;

```

struct desc_entry
{
    long filenum;      /* filenumber in files.lst (first entry is #1) */
    char descline[41]; /* null terminated description */
};

```

The number of entries per file is stored in the 'numlines' variable in the list_entry structure above.

UPLOADS ----- FileMaint makes use of TransAmiga's standard file (created by TrXPR or equivalent) 'Xfers.tmp' or 'Xfers_n.tmp' where n is the TA line number other than line 0. FileMaint will also create such a file during a 'find unlisted' scan.

MARKED FILES ----- Although during runtime FileMaint keeps marked files details in an array, upon exit, it will save the details of the marked files in a directory defined by the MARKEDLISTS option in the FileMaint.cfg file. An individual file for each online user is created with the same name as the username, or 'SYSOP' if run from a CLI shell.

FileMaint will load the respective user's marked list if one exists allowing them to mark files during one session, and then download them at a later date or time.

The file contains one line for each file currently marked. The first four characters indicate the file library number (ascii) followed after a space (ascii 32) by the filename (up to 32 characters).

FileMaint searches for this file on each startup, and will load the relevant data.

Note: if you do not remove this file when the user logs off the system, you may find that the next user inexplicably has files marked in advance!

1.78 Future Directions/Limitations

Future directions/limitations:

FileMaint is constantly being upgraded and modified. If there is something you would like to see, then please feel free to contact the author! :)

Here is a list of things to do:

-> add the ability to define a range of areas when creating full bbs lists.

-> add a "logoff after transfer" option.

If there is something else that you'd like to see here, please send mail to one of the

addresses
listed.

1.79 How to Contact the Author

Any ideas, comments, suggestions, (cash;-)?

Please contact Mike Everest at any of the following addresses:

TriNet 42:8699/13.0
KramNet 10:152/1.0
AmigaNet 41:300/142.0
FidoNet 3:633/405.0

email:

grovescdeakin.edu.au

or you can contact me through my SnailMail address:

18 Grey Street,
East Geelong
Victoria
Australia 3219

1.80 About TransAmiga

TransAmiga Bulletin Board System is copyright Sami Radwan.

FileMaint uses many of the routines in the TransAmiga.library supplied with the TransAmiga Program so as to make it as invisible as possible to user and sysop alike.

1.81 Custom Header Files

FileMaint Custom Header Files:

So you don't like FileMaint's own default library headers?

Not a problem! Just create your own custom header using your favorite ansi editor, and save it to the directory containing the appropriate file library, as "files.ans". You should also create an ascii version for those users who do not have ansi emulation. Save an ascii version of your custom header as "files.asc" to the same directory. FileMaint will ignore the headers while searching for unlisted files, so that they should never end up appearing in your file list.

if you have defined the option LISTDIR in the
configuration editor
and are
keeping all your list information in that directory, the file headers should
also be kept here, and named <arenum>.asc and <arenum>.ans

When FileMaint goes to list the contents of a file area, the first thing it
does is to look for these files. If these do not exist, then a file defined
in the

configuration editor

Default Header is sought. Failing that,
FileMaint defaults to the standard built-in headers.

Note that filemaint will automatically append the appropriate file extension
".asn" or ".asc" to the name defined by the Deafault Header field.

When running through a transamiga line, you can use all of the TransAmiga
embedded control codes (see TransAmiga documentation for a list of Embedded
Control Codes). These codes will *not* be parsed by FileMaint in the cli
shell however.

1.82 ARexx Support

FileMaint now comes with it's very own arexx port, and supports a ↵
variety of
functions. FileMaint's Rexx port is called "FileMaint" (case sensitive) when
run from the cli. If run with the
-l<line> switch
, the port is called
"FileMaint.<line>"

To run FileMaint to receive ARexx commands, it must be started with the -r
commandline switch.

the following commands are currently recognised: (arguments in '<>' are
required, arguments in '[' are *optional*)

list

[arenum]

lists the contents of an area.

rescan

[areanum]

rescans the area.

adopt

[areanum]

same as

'find unlisted'

searchdate

<lastdate>

[areanum]

newfiles scan since [lastdate].

searchdays

<days>

[areanum]

newfiles scan - less than <days> old.

search

<keyword>

[areanum]

searches for a filename or file description

markedfiles

goes to

'unmark files'

menu.

download

download files.

upload

upload files.

generatelist

[areanum]

generates special FileMaint lists

genfilebbs

[areanum]

*generates a standard files.bbs

```
fulllist
[areanum]          creates a full bbs listing

quit
                    guess! ;-)

quiet
[ON|OFF]           turns quiet mode ON or OFF.

getuser
                    read the details of the online user.

savelist
                    save currently marked files.

offline
[ON|OFF]           sets offline mode.

nodiz
[ON|OFF]           diz checking mode.

nofilenote
[ON|OFF]           filenote support toggle.
```

1.83 List Command

template: list [areanum]

function: lists the contents of the given area [areanum].

result: 'OK' if successful, otherwise '*FAIL*'.

examples: address FileMaint.0 list 5 -> lists area #5 (if available)
address FileMaint.0 list -> lists all available areas

1.84 Rescan Command

template: rescan [areanum]

function: rescans the defined area. this command is functionally the same as the 'rescan' option in the interactive mode, and the 'r' commandline option.

result: 'OK' if successful, otherwise '*FAIL*'.

examples: address FileMaint.0 rescan -> rescans all available areas

1.85 Adopt Command

template: adopt [areanum]

function: adds unlisted files to the given file area. functionally the same same as 'find unlisted' function in interactive mode.

result: 'OK' if successful, otherwise '*FAIL*'.

examples: address FileMaint.0 adopt 15 -> finds unlisted files in area 15

1.86 Searchdate Command

template: searchdate <lastdate> [areanum]

function: searches the defined file area for files that have been uploaded/changed since the date given.

result: 'OK' if successful, otherwise '*FAIL*'.

examples: address FileMaint.0 searchdate 951121 6 -> searches area 6 for files uploaded since 21 feb 95

address FileMaint.1 searchdate 941225 -> searches all areas for files uploaded since Xmas 94.

1.87 Searchdays Command

template: searchdays <days> [areanum]

function: newfiles scan - less than <days> old.

result: 'OK' if successful, otherwise '*FAIL*'.

examples: address FileMaint.0 searchdays 5 6 -> searches area 6 for files uploaded within the last 5 days.

address FileMaint searchdays 7 22 -> finds all files uploaded within the last week.

1.88 Search Command

template: search <keyword> [areanum]

function: searches for a filename or file description containing the string <keyword>.

result: 'OK' if successful, otherwise '*FAIL*'.

examples: address FileMaint.0 search bbs -> finds and displays all files with 'bbs' as part of the filename, or within the description(s).

address FileMaint.1 search "hello there!" 14 -> for keywords with spaces, use quotes.

1.89 Markedfiles Command

template: markedfiles

function: goes to 'unmark files' menu. functionally the same as 'unmark files' in the interactive menu.

result: 'OK' if successful, otherwise '*FAIL*'.

example: address FileMaint.0 markedfiles

1.90 Filesleft Command

template: filesleft

function: to detect if the user has any marked files not yet downloaded.

result: 'YES' if there are marked files pending, 'NO' otherwise.

example: address FileMaint.1 filesleft
if result = 'YES' then do
transmit 'do you want to download them?'
getcmd
if result = 'Y' then address FileMaint download
end

1.91 Download Command

template: download

function: download files.

result: 'OK' if successful, otherwise '*FAIL*'.

example: address FileMaint.0 download

1.92 Upload Command

template: upload

function: upload files.

result: 'OK' if successful, otherwise '*FAIL*'.

example: address FileMaint.0 upload

1.93 Generatelist Command

template: generatelist [areanum]

function: generates special FileMaint lists files.lst and files.dsc - use this with caution as any existing data will be overwritten.

result: 'OK' if successful, otherwise '*FAIL*'.

example: address FileMaint.0 generatelist 16 -> reads files.bbs in area 16
and creates special
datafiles.

1.94 Genfilebbs Command

template: genfilebbs [areanum]

function: generates a standard files.bbs from filemaint's own datafiles.

result: 'OK' if successful, otherwise '*FAIL*'.

example: address FileMaint.0 genfilesbbs -> generates files.bbs in all
areas.

1.95 Quit Command

template: quit

function: guess! ;-)

result: 'OK'.

example: address FileMaint quit

1.96 Quiet Mode Toggle

```
template: quiet [ON|OFF]

function: turns quiet mode ON or OFF.

result:  with argument; 'OK' if successful, otherwise '*FAIL*'
         without argument; 'ON' or 'OFF' reflecting the current state.

example: address FileMaint quiet
         if result = 'OFF' then do
           queryy "do you want to turn quiet mode off?"
           if result = 'Y' then address FileMaint quiet ON
         end
```

1.97 Getuser Command

```
template: getuser

function: read the details of the online user.

result:  'OK' if successful, otherwise '*FAIL*'.

example: address FileMaint.0 getuser
```

1.98 Savelist Command

```
template: savelist

function: save currently marked files of the user currently online.

result:  'OK' if successful, otherwise '*FAIL*'.

example: address FileMaint.0 savelist
```

1.99 Offline Mode Toggle

```
template: offline [ON|OFF]

function: sets offline mode.

result:  with argument; 'OK' if successful, otherwise '*FAIL*'
         without argument; 'ON' or 'OFF' reflecting the current state.

example: address FileMaint.0 offline
         if result = 'ON' then do
           queryn 'turn offline mode off again?'
           if result = 'Y'
             address FileMaint.0 offline 'OFF'
           end
```


1.100 File_ID.diz Support Toggle

```
template: nodiz [ON|OFF]

function: diz checking mode.

result:  with argument; 'OK' if successful, otherwise '*FAIL*'
         without argument; 'ON' or 'OFF' reflecting the current state.

example: address FileMaint.0 nodiz
         if result = 'OFF' then do
           queryn "are you sure you want diz checking off?"
           if result = 'N' then address FileMaint.0 nodiz ON
         end
```

1.101 Filenote Support Toggle

```
template: nofilenote [ON|OFF]

function: filenote support toggle.

result:  with argument; 'OK' if successful, otherwise '*FAIL*'
         without argument; 'ON' or 'OFF' reflecting the current state.

example: address FileMaint.0 filenote
         if result = 'OFF' then do
           queryn "are you sure you want filenote support off?"
           if result = 'N' then address FileMaint.0 filenote ON
         end
```

1.102 Fulllist Command

```
template: fulllist <outputfile>

function: creates an entire bbs file list to <outputfile> in a similar
         format to files.bbs - handy for use with freq systems.

result:  'OK' if successful, otherwise '*FAIL*'

example: address FileMaint fulllist ram:bbslist
```

1.103 [areanum] argument

argument [areanum] is optional in all cases. it should be an integer value corresponding to the required file library number. if omitted, all available libraries will be processed.
