

in

Nils Görs, Moses Wildermuth, and Robert Goodlett Bauer

COLLABORATORS

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WRITTEN BY	Nils Görs, Moses Wildermuth, and Robert Goodlett Bauer	January 19, 2025	

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Chapter 1

in

1.1 SimpleFind's 3 ARexx Port

ARexx Port

SimpleFind3 supports a simple ARexx Port. With the ARexx Port you can use SimpleFind's search capabilities from other programs.

The port's name is "SIMPLEFIND3.x", where x stands for the started SimpleFind3 process. If you start the ARexx-Script from SimpleFind3, REXXMAST will set the portname automatically to "SIMPLEFIND3.x". You can get the Portname with: SFPort = ADDRESS()

In the functions below, arguments enclosed in "<>" are required, while those enclosed in "["]" are optional.

SimpleFind3 provides the following ARexx Commands Additional to MUI's ARexx commands:

GET Get important things from SimpleFind3. **SET** Set important things of SimpleFind3. **GETOPT** Get information of an search option. **SETOPT** Set search options. **LOCK** (Un)Lock windows. **SELECTENTRIES** Changes the state of the entries.

REQUEST Open a requester to wait for user response. **STARTSEARCH** Starts search process.

You'll find some ARexx-Scripts in the SimpleFind3-release archiv:

Index2Path.sfrx Jump2NextMarked.sfrx

Mark.sfrx SaveEntries.sfrx

SaveSelEntries.sfrx SFShell.sfrx

SlideShow.sfrx Vols2Path.sfrx

Thanks to Moses Wildermuth and Robert Goodlett for grammar checks.

1.2 ARexx Command: GET

Format: GET <TYPE/A>[VARNAME]

Template: GET TYPE/A,VARNAME

Description: Stores requested information in the RESULT variable and also in an optional ARexx Variable.

General Types: INDEXDIR - the directory of the indexfiles. INDEXFILES - Names (not filenames!) of Indexfiles, stored in a given Stem-Var. SEARCHGROUPS - Stores all names from Searchgroup in a given Stem-Var. RESULT and VARNAME.entries stores the number of entries. SEARCHGROUPPOS - Gives you the name of the current used searchgroup. OPTIONSFILE - Name and path of SimpleFind3 optionsfile. PREFSFILE - Name and path of SimpleFind3 prefsfile. PROGDIR - the directory where SimpleFind3 is located. PUBSCREEN - Name of public screen where SimpleFind3 windows are open. REVISION - the

revision of SimpleFind3 (the number after the dot: 3.0) UNPACKDIR - the default unpack directory. VERSION - the version of SimpleFind3 (the number before the dot: 3.0)

Result Types: MARKERENTRY - the information from the item under the cursor. MARKERPOS - the absolute position of the marker. ENTRYPOS - the absolute position of the entry cursor. MAXFULLPATHLEN - the length of the longest fullpath. ENTRIES - the number of all found entries. ENTRY - the information of the item under the entry cursor. ENTRYNEXT - the information of the item under the entry cursor. the cursor is moved to the next entry. ENTRYNEXTSEL - the information of the item under the entry cursor. the cursor is moved to the next selected entry. FIRSTSELENTYPOS - the position of the first selected entry. SELENTRIES - the number of selected entries. VISENTRIES - the number of visible entries in result window.

Result: RESULT stores the requested information. Some commands use a given stem-variable [VARNAME] to store additional information.

stem-vars for ENTRY: VARNAME.NAME = Path and filename. VARNAME.SIZE = filesize. VARNAME.COMMENT = filecomment. VARNAME.SECONDS = seconds since 1978. VARNAME.STATUS = Status of entry: 0 deselected; 1 selected. VARNAME.POSITION = position. VARNAME.PROTECTION = protection-bits.

stem-vars for INDEXFILES: VARNAME.n.DIRECTORY = stores the Indexname. VARNAME.ENTRIES = number of entries stored in the stem-var.

stem-vars for SEARCHGROUPS: VARNAME.n.GROUPNAME = stores the name of searchgroup. VARNAME.ENTRIES = number of entries stored in the stem-var.

Notes: The entry in result and searchgroup window starts with 0 not with 1. If you are using SEARCHGROUPPOS or SEARCHGROUPS it is advice to **LOCK** the window.

Examples: /* prints the name of each indexfile. */ options results

ADDRESS SIMPLEFIND3.1

GET INDEXFILES index IF index.entries = 0 THEN EXIT do i = 0 to index.entries-1 say index.i end

1.3 ARexx Command: SET

Format: SET <TYPE><VALUE>

Template SET TYPE/A,VALUE/A

Description: Assigns a new value to a given type.

General Types: SEARCHGROUPNAME = activates the searchgroup with the name <VALUE>. If the string <VALUE> does not exists RESULT will be -1.

SEARCHGROUPPOS = Uses the given Searchgroup. Entry starts with 0. If you use DEFAULT as <VALUE> the "»Default«" searchgroup will be used.

Cursor/Marker control Types: ENTRYPOS = <VALUE> could be a number to set the absolute position of the entry cursor or alternatively you can specify one of the following special keywords:

TOP = moves the entry cursor to the TOP of the list. BOTTOM = moves the entry cursor to the BOTTOM of the list. TOPSELECTED = moves the entry cursor to the first selected entry. BOTTOMSELECTED = moves the entry cursor to the last selected entry. PREV = moves the entry cursor one entry up. PREVSELECTED = moves the entry cursor to the next selected entry (direction: UP). NEXT = moves the entry cursor one entry down. NEXTSELECTED = moves the entry cursor to the next selected entry (direction: DOWN).

MARKERPOS = <VALUE> could be a number to set the absolute position of the marker. Special meanings have the TOP and BOTTOM keyword.

Result: In RESULT you will get the new position of the entry/marker cursor or -1 if something went wrong.

Notes: The first entry in the result window starts with 0 not with 1.

Examples: /* */ options results

ADDRESS SIMPLEFIND3.1

set entrypos topselected say result

1.4 ARexx Command: GETOPT

Format: GETOPT <TYPE/A>[[CONTENTS]<VARNAME>][[SWITCH]<VARNAME>]

Template: GETOPT TYPE/A,CONTENTS,SWITCH

Description: Stores requested information about a search option in the given ARexx Variables.

Arguments: CONTENTS <VARNAME> - <VARNAME> stores the contents of Search Option Types. SWITCH <VARNAME> - <VARNAME> stores the status of Search Option Types (1 if it's activated or 0 if it's deactivated)

Search Option Types: PATH = stores the path where SimpleFind3 should search for. MAXDIRDEEP <1-50> or <OFF> = stores the maximum deep of directories where SimpleFind3 should search for. NAME = stores the pattern of the name search. COMMENT = stores the pattern of the comment search. MINSIZE = stores the minimum size of the files. MAXSIZE = stores the maximum size of the files. WITHIN = stores within which time span the files should have been created. BETWEEN = stores between which date the files. PROTECTION = stores the Protectionbits the files should have. DATATYPE = stores the files' datatype. CONTENTS = stores the text which should be in the file.

Result: RESULT stores the contents of the requested Search Option Types. CONTENTS <VARNAME> is also stored in the RESULT variable.

Examples: /* Store the contents and the status of the Name option in NAMEPAT and NAMESTATUS */

```
GETOPT NAME "NAMEPAT" "NAMESTATUS" say NAMEPAT say NAMESTATUS
```

```
/* Get the contents of the Comment option inside the RESULT variable */ GETOPT COMMENT
```

1.5 ARexx Command: SETOPT

Format: SETOPT <TYPE/A>[CONTENTS][[SWITCH/K][[ACTIVATE/S]

Template: SETOPT TYPE/A,CONTENTS,SWITCH/K,ACTIVATE/S

Description: SETOPT sets the contents or change the status of a given option.

Arguments: SWITCH - tells SimpleFind3 to use an option type or to deactivate it, legal values for SWITCH are ON or OFF.

ACTIVATE - sets the cursor in the string gadget, to prompt the user to enter something.

Search Option Types: PATH = Defines the path where SimpleFind3 should search for. MAXDIRDEEP <1-50> or <ALL> = Defines the maximum deep of directories where SimpleFind3 should search for. NAME = Defines the pattern of the name search. COMMENT = Defines the pattern of the comment search. MINSIZE = Defines the minimum size of the files. MAXSIZE = Defines the maximum size of the files. WITHIN = Defines within which time span the files should have been created. BETWEEN = Defines between which date the files. PROTECTION = Defines the Protectionbits the files should have. DATATYPE = Defines the files' datatype. CONTENTS = Defines the text which should be in the file.

Examples:

```
SETOPT NAME "" ACTIVATE /* clears the name string and activates the string gadget. */
```

```
SETOPT COMMENT SWITCH ON /* Switch the status of comment to ON */
```

1.6 ARexx Command: LOCK

Format: LOCK [RESULTS][[SEARCHGROUPS][[TEXT][[OFF]

Template LOCK RESULTS/S,SEARCHGROUPS/S,TEXT,OFF/S

Description: Locks or unlocks a SimpleFind3 window. It is also possible to open a small information window with a given text.

Arguments: RESULTS locks the results window.

SEARCHGROUPS locks the searchgroups window.

TEXT This is a one line message text that will be displayed to tell the User why a window is locked.

OFF unlocks a window lock.

Notes: It is possible to open a simple text-window without locking a window. To close this text-window simply use the OFF argument.

Examples: LOCK RESULTS 'TEXT "Showing Pictures..."'

LOCK RESULTS OFF

1.7 ARexx Command: SELECTENTRIES

Format: SELECTENTRIES [PATTERN][POS][ALL][TYPE]

Template: SELECTENTRIES PATTERN,POS/N/K,ALL/S,TYPE/K

Description: Selects or deselects all or some entries in the result window.

Arguments: PATTERN - AmigaOS Pattern which describes the files which should be selected.

POS - the position of the entry which should be selected (PATTERN is ignored)

ALL - all files should be selected (PATTERN and POS are ignored)

TYPE - either ON (to select), OFF (to deselect) or TOGGLE (to invert the state)

Examples: SELECTENTRIES ALL /* selects all entries */

SELECTENTRIES ALL TYPE OFF /* deselects all entries */

1.8 ARexx Command: REQUEST

Format: REQUEST <BODY/A/K>[GADGETS/K][TITLE/K]

Template REQUEST BODY/A/K,GADGETS/K,TITLE/K

Description: This command opens a requester for you and then waits for a response from the user.

Arguments: BODY the body text (required). This is the main text that is displayed in the requester. If you want to use a "%" -character in body text you'll have to type "%%". You can split this text on several lines by using "\n".

GADGETS the gadget text (optional, defaults to " OK "). Each gadget is separated from the others by a bar character ("|"). You can also specify a shortcut for each gadget by placing an underscore ("_") before the character that identifies the shortcut key.

TITLE title of the requester (optional).

Result: The RESULT variable is either TRUE or FALSE. If you generate a requester with more than one response button the RESULT for the leftmost (positive) response will be 1, then each consecutive response will return 1 more, the rightmost (false) response will return 0 (false), so 1,2,3,...,0

Notes: As long as the requester is open, all user activities are limited to the requester. REQUEST is not limited to an opened result window.

Examples: 'REQUEST BODY "Please press a button!" GADGETS "_1|_2|_3|_No" TITLE "I'm a testprogram"' say result
REQUEST 'BODY="No selected entries!"'

1.9 ARexx Command: STARTSEARCH

Format: STARTSEARCH

Template: STARTSEARCH

Description: Starts search process with the setted options.
