

# **REQUESTLib**

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**REVISION HISTORY**

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# Chapter 1

## REQUESTLib

### 1.1 Main

#### Table of Contents

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### 1.2 Copyright

Copyrights, legal stuff

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REQUESTLib.Lib uses reqtools.library and this reqtools.library is Copyright © Nico François and Magnus Holmgren. Please see the reqtools documentation for details.

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REQUESTLib.Lib uses ReqTools.Lib, a stubs link lib, to calling functions from the library.

NOTE: The archive of REQUESTLib.lib contains parts from the development of reqtools.library, e.g. the documentation and the includefiles. All you need to use REQUESTLib.Lib with vbcc will be find here. The original archive of reqtools is much bigger. Look there, if you need anything to support every other compiler.

This Guide is created with Guided by Linus McCabe.

## 1.3 Support

Support:

Michaela Prüß Berlin

eMail:

Michaela@Flagranti.net

Supportsite at internet (actual version and other projects):

<http://www.flagranti.net/amiga>

## 1.4 Function

RequestLib

Interface between programs and reqtools.library.

If you want to use the reqtools.library multiple times in your program, you better work directly with the library. Direct use is faster and you can do more things.

If you don't know, how to use the reqtools.library, handle with 'tags' or, thats the reason for this lib, you will quickly display one or two requesters, this lib do a lot of work for you. Every function open the library, allocate all needed things, init and setup reqtools, display the request and after them, cleaning up. You only have to call the functions. All other things will be done for you.

I often has the same problem: I want to display a requester in one of my programs but, the many things to do are too much work for the result. So I created this lib. Add REQUESTLib.Lib and ReqTools.Lib to the link command line as user libs, start the request. That's it! And if the program needed not longer requester functions, nothing **MUST** be done, linking unused lib's will automaticly exclude the lib. You can change the linker command, but you must. If you cut the functioncall from your program you must not look for unused var's, include's or any else.

If you want to call reqtools.library direct you can do it. In this case the vbcc link command do not need the REQUESTLib.Lib. The stubs lib is ReqTools.Lib, included in this archive.

## 1.5 rtEZReq

Show a simple requester by using rtEZRequest from reqtools.library.

```
int rtEZReq( char *titel, char *body, char *buttontext, int defreturn, BOOL centertext, BOOL noreturnkey, int position, int topoffset, int leftoffset, char *pubscreen );
```

function: rtEZReq

args : char \*TITLE - Title text requester char \*BODY - Body text requester char \*BUTTONTEXT - Button text requester default is "Ok|Cancel" undertag supported, e.g. "\_Yes|\_No" int DEFRETURN - Default returnvalue if RETURN key pressed BOOL CENTERTEXT - TRUE centers body text BOOL NORETURNKEY - TRUE set RETURN key off int POSITION - Position of requester Values are: 0 = Open at Pointer 1 = Open at center screen (default) 2 = Open at top left screen 3 = Open at center window 4 = Open at top left window int TOPOFFSET - Offset position relative to above int LEFTOFFSET - Offset position relative to above char \*PUBSCREEN - Public screen name

returns : -1 if unable to allocate request structure -2 if reqtools.library not found, not opened or a to old version 0 or higher (number of button) if the button is pressed

## 1.6 rtFileReq

Show a file or volume requester by using rtFileRequest from reqtool.library.

```
int rtFileReq( char *title, char *drawer, char *set_file, char *pattern, BOOL nobuf, BOOL mu_sel, BOOL sel_dirs, BOOL save,
  BOOL nofiles, BOOL patgad, int height, char *oktext, BOOL volreq, BOOL noass, BOOL nodisks, BOOL all, BOOL empty,
  int position, int top, int left, char *to_file, char *pubscreen );
```

function: rtFileReq

args : char \*TITLE - Title text requester char \*DRAWER - Start requester in this drawer char \*FILE - Defaultfilename in requester char \*PATTERN - Defaultvalue for patterngadget BOOL NOBUFFER - No buffer to remember dirs BOOL MULTISELECT - More than one file can be selected BOOL SELECTDIRS - Allow selecting of directorys

BOOL SAVE - Disable double-clicking (use for critical functions like delete) BOOL NOFILES - Select only directory(s) BOOL PATGAD - Enable pattern gadget to the requester int HEIGHT - Height of file requester window char \*OKTEXT - Replacement text for "OK" gadget, max 6 chars BOOL VOLREQ - Turn the file requester into a volume/assign disk requester BOOL NOASSIGNS - Do not include assigns, show only real devices BOOL NODISKS - Do not include devices, just show the assigns BOOL ALLDISKS - Show ALL devices, including invalids BOOL ALLOWEMPTY - Accepted empty filename for return int POSITION - Position of requester Values are: 0 = Open at Pointer 1 = Open at center screen (default) 2 = Open at top left screen 3 = Open at center window 4 = Open at top left window int TOPOFFSET - Offset position relative to above int LEFTOFFSET - Offset position relative to above char \*to\_file - Name of a file for the result(s) char \*PUBSCREEN - Public screen name

returns : -1 if unable to open outputfile -2 if unable to allocate request structure -3 if reqtools.library not found, not opened or a old version 0 if the user selected nothing 1 user select anything, selection is printed to stdout or given filename. multiple targets are seperated by a blank, if a target contain blanks it is written as "target with blanks".

ToDo: Direct access to the result(s)

## 1.7 InternalFunctions

Internal function to set the text for rtEZReq in middle of the requester window

```
BOOL set_text( char *dest, char *src );
```

function: set\_text

args : char \*DESTINATION - String in requester format char \*SOURCE - String to set up for requester

returns : TRUE if work done FALSE if src pointer is NULL

## 1.8 History

History for REQUESTLib.Lib

05.04.1999: Second demoprogram finished. Little changes in the first program.

02.04.1999: Begin this documentation for external use. Write simple demo programs for calling reqtools from CLI.

01.04.1999: Function rtFileReq added.

29.03.1999: A small testprogram TestREQUESTLIB for the Lib created.

28.03.1999: Function rtEZReq completed. Function set\_text added (called by rtEZReq).

27.03.1999: My tool VersCheck need a simple request. The last time I've used reqtools.library was long, long ago. After I wrote the requester function I created the REQUESTLib and put the function to the lib for easy access if needed next time. The REQUESTLib.Lib was born.

## 1.9 Demo programs

My demo and test programs for REQUESTLib.Lib

TestREQUESTLIB:

Testing differnt functions from REQUESTLib. Need no arguments. Source is included in this archive. Will be used for testing a new compilation and I hope, is useable as little help for using the REQUESTlib.lib functions.

RTSimpleReq:

Make rEZReq useable from CLI. Can be used as an alternative to the c:RequestChoice program. Usage:

TITLE/A,TEXT/A,BUTTON/A,RETURNVAL/N,TOPOFFSET/N,LEFTOFFSET/N, POINTERPOS/K,CENTERSCREEN/K,TOPLEFTSCREEN/K,CENTERWINDOW/K,CENTERTEXT=CENTER/K,NORETURN=NORET/K,PUBSCREEN/A

TITLE <text> = Titletext displayed on the requester TEXT <text> = Bodytext displayed on the requester CENTER = Center the bodytext in requester window BUTTON <text> = Button text(s), default is "\_Yes|\_No" RETURNVAL <num> = Returnvalue if RETURN pressed NORETURN = Pressing RETURN disabled PUBSCREEN <name> = Request display on pubscreen <name>

Position for displaying the requester: POINTERPOS = at position of mouse pointer CENTERSCREEN = at center of the screen TOPLEFTSCREEN = at top, left corner of the screen CENTERWINDOW = at center of the window TOPLEFTWINDOW = at top, left corner of the window TOPOFFSET <pos> = Offset relative from top position, set above LEFTOFFSET <pos> = Offset relative from left position, set above

HELP = Show this help VERSION = Program version, copyright, buildinfo

RTFileReq:

Make rtFileReq useable from CLI. Can be used as an alternative to c:RequestFile. Usage:

TITLE/A,DRAWER/A,FILE/A,PATTERNS=PAT/A,NOBUFFERS=NOBUF/S, MULTISELECT=MULTI/S,SELECTDIRS=DIRS/S,TOPOFFSET/N,LEFTOFFSET/N,POINTERPOS/K,CENTERSCREEN/K, TOPLEFTSCREEN/K,CENTERWINDOW/K,TOPLEFTWINDOW/K,PATTERNGADGET=PATGAD/S,HEIGHT/N,OKBUTTON=OK/A,VOLREQ/S, NOASSIGN=NOASS/S,NODISKS=NODSK/S,ALLOWEMPTY=EMPTY/S,RESULTFILE=TO/A,PUPSCREEN=PUB/A

TITLE <text> = titletext displayed on the requester DRAWER <dir> = init on this drawer FILE <file> = presetting filename PATTERNS <pat> = preset pattern gadget NOBUFFERS = working without dir buffers MULTISELECT = enables multiple file selections SELECTDIRS = enables to select directorys SAVE = disable double klick if critical NOFILES = select only directorys PATTERNGADGET = enable pattern gadget HEIGHT <height> = Height of file requester window OKBUTTON <text> = Replacement text for "OK" gadget, max 6 chars VOLREQ = Turn the requester into a volume/assign request NOASSIGNS = do not include assigns, only devices NODISKS = do not include devices, only assigns ALLDISKS = show ALL devices, including invalids ALLOWEMPTY = accepted empty filename for return RESULTFILE <file> = file to store the selected filenames PUBSCREEN <name> = Request display on pubscreen <name>

Position for displaying the requester: POINTERPOS = at position of mouse pointer CENTERSCREEN = at center of the screen TOPLEFTSCREEN = at top, left corner of the screen CENTERWINDOW = at center of the window TOPLEFTWINDOW = at top, left corner of the window TOPOFFSET <pos> = Offset relative from top position, set above LEFTOFFSET <pos> = Offset relative from left position, set above

HELP = Show this help VERSION = Program version, copyright, buildinfo