

RO Documentation

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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

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Chapter 1

RO Documentation

1.1 RO User Documentation

RO --- A MUI-Based FileManager, Shareware

Version 0.81

User Documentation

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1. Introduction

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- 1.2 System RequirementsWhat you need to use RO
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1.2 Introduction

Introduction

RO is a new intuition-controlled, fully user-configurable file manager for OS 2.04 and newer. RO's mighty features will assist and help you on your daily work with your Amiga. With RO there is no need to learn those cryptic shell commands, because you have the complete power of your Amiga in one hand.

Due to the usage of MUI you are able to configure the look and feel of this tool as you like it. MUI is the Magic User Interface developed by Stefan Stuntz which should be installed on every Amiga. It is an object oriented system to create and maintain graphical user interfaces. Users of MUI based applications have the ability to customize nearly every pixel of a programs interface according to their personal taste.

The RO archive should contain the following files:

```

RO.info
RO/Install.info
RO/Install/Installer
RO/Install/RO-Install
RO/Install/RO-Install.info
RO/ReadMeFirst
RO/ReadMeFirst.info
RO/Docs/RO.guide
RO/Binary/RO
RO/Binary/RO.prefs
RO/Icons/8col/RO.info
RO/Icons/8col/RO.guide.info
RO/Icons/4col/RO.info
RO/Icons/4col/RO.guide.info

```

MUI is not included in the RO archive, but you should get it in every mailbox or at your local aminet-mirror.

1.3 System Requirements

System Requirements

RO requires version 2.04 of the Amiga operating system or newer. RO also

requires version 2.2 or newer of the "Magic User Interface" by Stefan Stuntz. Kickstart 1.3 is not supported; Neither by the "Magic User Interface" nor by RO; this operating system is obsolete. Upgrade to 2.04 or, even better, to 3.1 of the Amiga OS. RO does not require a special processor, but of course the faster CPUs make life easier. Many complex calculations are needed for the management and layout of the objects, so a "base" 68000 based machine could be slow.

If you want RO to automatically decrunch XPK & PowerPacker packed files, you have to install `xpkmaster.library`, `powerpacker.library` and at least one XPK compressor library. If you want RO to treat archives just like directories you also need ARCHandler.

XPK is Copyright © Urban Mueller, Bryan Ford & Christian Schneider.

PowerPacker is Copyright © Nico François.

ARCHandler is Copyright © Rafael D'Halleweyn.

1.4 Unregistered Version

Unregistered Version

I decided to release RO as crippled shareware. RO is fully functional but in the unregistered version the about requester appears regularly to remind you to pay the shareware fee. RO has been and will be a time-consuming work for me. If you like this product you should support me with the registration fee. Thank You.

How to register for RO

1.5 Installation

Installation

RO comes with an installer script which helps you to install all required files. If you are an 'expert user' you might want to do it manually.

Just take the RO icon and drop it into the directory where you want to install it. You might want to copy the file 'RO.prefs' into the same directory or to 'S:'. If you have a keyfile, copy it to 'S:', 'L:' or in the same directory where you copied the executable.

1.6 Main Window

Main Window

After the installation procedure you may start RO, and the main window should open. It contains the following control objects...

Register

Changes the listview type

Information Textfield	Displays information about loaded dir
Listview	Displays the directory
Path Gadget	For manual directory browsing
Drive Buttons	Fast access of often used devices
Command Buttons	Performing actions on selected entries
Status Bar	Displays general information

1.7 Register Group

Register

The register at the top of the window lets you change the type of the listview below. You may choose between Directory, Buffers and Volumes. According to your MUI settings the register group might look like a register or like a normal cycle gadget. The three different listview types are described in the Listview section.

1.8 Information Textfield

Information Textfield

There is a textfield above each directory listview where several informations are displayed: the free disk space in percent and KBytes, and the used disk space in KBytes. It looks similar to the information displayed in the title bar of a standard Workbench window so you should be familiar with it. If there is currently no directory loaded you will see 'No Directory'.

The Textfield is also used to indicate which listview is currently active. It is very important to know which one of the listviews is active, because it is considered as the source listview and it is the one which is affected by all operations you start via command button or via user menu. The textfield above the activated listview is filled with a 'Fillback' raster which could be configured in the 'Pens' section in MUI prefs by changing the according pens.

Last but not least the Textfield is also used as a hidden 'Parent' button. If you click on it the parent directory of the current directory is loaded into the according listview. If there is no parent directory RO will just reload the current loaded directory

1.9 Listview

Listview

RO supplies three different listviews...

The 'Directory' listview is RO's most important listview. It is used to display the directory. You may select files and directories there and doubleclick on them. If you doubleclick on a directory it is loaded

immediately into the listview, but if you doubleclick on a file RO tries to determine what kind of file it is and will start the according command. About 50 filetypes are recognized and in addition if you use Kick 3.0 or better RO supports Datatypes. For a detailed description how to configure these fileactions consult the Configuration chapter.

The 'Buffers' listview is a kind of history where RO remembers a specific number of paths. You may also insert paths upon startup as described in the Configuration section. You may get to any of the displayed paths just by doubleclicking them. This is one way of fast directory access supported by RO.

The 'Volumes' listview displays a list of all available AmigaDOS volumes currently mounted. You can load a volume into the directory listview by doubleclicking on it.

1.10 Path Gadget

Path Gadget

The path gadgets are below the two directory listviews and contain the path string of the current loaded directory. You may enter any path here and the according directory will be loaded immediately. RO extends all path names e.g. if you enter 'Libs:' you get something like 'System:Libs/'. The path gadgets are just another fast way to access directories because of the bulid-in path name completer. If you enter 'SYS:Devs/DOS<RETURN>' you get an extended path which should look like 'System:Devs/DOSDrivers'. You may also enter more complex things like 'System:Devs/DataTypes///L/File<RETURN>' and what you get should look like that 'System:L/FileSystem_Trans/'. The path name completion works only for the last part of the path string.

1.11 Drive Buttons

Drive Buttons

Below the path gadgets RO normally has 16 drive buttons but their number is automatically increased to 32 if you specify more buttons. In general you click on a drive button and the specified path name for the button is loaded into a listview. Into which one depends on the current operation mode of the drive buttons. Currently there are two modes supported: The so called 'Active Mode' and the 'Normal Mode'. In 'Normal Mode' the drive button only affects the listview which is directly above it. In 'Active Mode' the drive button loads a path into the activated listview.

1.12 Command Buttons

Command Buttons

Below the drive buttons are 3 x 8 command buttons. These gadgets are used

to perform actions for the selected files in the active directory listview. 24 buttons are not enough for over 50 internal functions so I implemented a button bank switch mechanism. You can switch between the banks by clicking the 'Status Bar' below the command buttons. Currently RO supports 5 button banks which results in 120 buttons but this might change in a future version. Most internal commands open a progress window. If you close it the operation is aborted but if you hit its iconify gadget RO continues the function in background.

Currently supported are the following internal functions...

About	Show about information.
Action	Perform fileaction on selected files.
AddArc	Add files to archives using 'Arc'.
AddArj	Add files to archives using 'Arj'.
AddLhA	Add files to archives using 'LhA'.
AddZip	Add files to archives using 'Zip'.
AddZoo	Add files to archives using 'Zoo'.
AddXArc	Add files to archives using 'xArc'.
All	Select all entries in active listview.
Assign	Create an assign for active directory.
ByName	Select files by name.
Bytes	Count bytes of selected entries.
Change	Change sorttype of active listview.
Command	Execute a command.
Copy	Copy files and directories.
CopyAs	Copy files and directories and change name.
CopyDev	Copy files to a device.
Delete	Delete files and directories.
Disk	Show information about active disk.
Dup	Duplicate entries.
Execute	Execute a batch file.
Expand	Expand a path to its ARCHandler equivalent.
Fit	Check if entries fit on destination.
Help	Show online help.
Icon	Select corresponding .info files.
Info	Show quick information for all devices.
LActive	Activate left listview.
LCopy	Copy active listview to inactive.
LSwap	Swap active and inactive listview
ListArc	List contents of archives.
LParent	Load parent directory of left path.
LReload	Refresh left directory.
LRoot	Load root directory of left path.
MakeDir	Create directories.
MdLoad	Create a directory and load it.
Move	Move files and directories.
MoveAs	Move files and directories and change name.
None	Deselect all entries.
Note	Modify filenotes.
Parent	Load parent directory.
Protect	Modify protection flags.
Quit	Quit 'RO'
RActive	Activate right listview.
Reboot	Reboot your system.
Relabel	Relabel volumes.

Reload	Refresh active directory.
Rename	Rename entries.
Rexx	Execute a rexx file.
Root	Load root directory.
RParent	Load parent directory of right path.
RReload	Refresh left directory.
RRoot	Load root directory of right path.
SetDate	Modify date of a file or directory.
Shrink	Shrink an ARCHandler path to normal.
Toggle	Toggleselect all entries.
Touch	Set date or create file.
UnArc	Extract files from archives.

...and you may specify any AmigaDOS executable here but consult the Configuration chapter for further information.

1.13 Status Bar

Status Bar

RO's status bar is the textfield at the bottom of the main window, it is used to display all general informations about what is currently going on or why a certain operation failed. As described in the Command Buttons section the status bar is also needed to switch between the different command button banks. You can also show a clock and/or a memory display there but this is total under user control so I advice you to check out the Configuration chapter.

1.14 Menus

Menus

RO has the following menus:

- o Project

- About...

- Opens the about requester. This is the same requester which pops up regularly if you are an unregistered user.

- Iconify

- Iconifies RO and adds an app icon to your Workbench. You can use it as a multifunctional drop icon because every file dropped on it will invoke a action according to the filetype.

- Quit

- Quits the program and removes RO from memory.

- o Options

- Copy

- o Flags

- Toggles whether you want to clone the protection bits while copying a file or not. It has the same effect as the COPYFLAGS option in the preference file.

- o Date

- Toggles whether you want to clone the date & time of a file while copying or not. It has the same effect as the COPYDATE option in the preference file.

- o Comment

- Toggles whether you want to clone the file note while copying a file or not. It has the same effect as the COPYNOTE option in the preference file.

- o Check Diskspace

- Switch this option on if you want to automatically check if the selected files will fit on the destination device before copying them. Due to the fact that 'RAM:' is always 100% full it is excluded from checking. You can also set this option in the preference file with the CHECKFIT keyword.

- Delete

- o Verify

- Toggles the DELVERIFY option. This means that if you turn it on a warning requester pops up before deleting files.

- o Force

- If you switch this option on RO unprotects protected files before deleting them. This has the same effect as the DELFORCE keyword in RO.prefs file.

- Overwrite

- Here you may choose one of the four values 'Always', 'Never', 'Older' or 'Verify'. They have the same effect as the 'ALWAYS', 'NEVER', 'OLDER' and 'VERIFY' value for the OVERWRITE keyword. As you might have guessed these entries are mutual exclusive.

- App Window

- With this menu entry you can change the behaviour of RO if you drop icons on one of the directory listviews. You may set it to 'Load' or 'Copy'. If you use 'Load' the directory of the dropped icon is loaded in the listview and if you select Copy the file is directly copied into the current loaded directory, so be careful what you choose here.

This option can also be set via the APPWINDOW keyword in the configuration file.

1.15 Configuration

Configuration

RO is configured via a text file which should be copied to 'S:'. It may also be located in the same directory as the executable but it must be called 'RO.prefs'. If you used the install script all files are installed correct. At the current state of development you have to use a standard text editor to modify the config file. RO supports the following configuration keywords...

```
FILETYPE
ARCHIVE
VARIABLE
MENU
BUFFER
HOTDIR
DRIVE
BUTTON
```

Note: Window size and other layout things are configured with the MUI prefs program and I really advice you to read MUI's documentation.

1.16 Filetype Configuration

FILETYPE

SYNOPSIS

```
FILETYPE "TypeID" "Command"
```

DESCRIPTION

With this keyword you can set commands which should be executed according to the file type of the selected file. Currently it is impossible to add your own file types but RO's built-in file recognition knows about 50 file types. If the recognition fails MultiView will be invoked and if MultiView fails the file is considered as binary file. XPK & PP files are decrunched before checking the file type. TypeID must be one of the Ids listed below and command is a CLI command which should contain a '%s' where the file name should be inserted. (The file name is already in quotes so don't specify them again!) Currently the following 'TypeID's are supported:

ASCII	ASCII standard text file
BINARY	A not recognized binary file
BMP	Windows 3.x BitMap Picture
COMPRESS	Compressed file
DMS	DMS Disk Archive (.dms)

DVI	TeX DVI file
FLI	FLI animation file
FREEZE	Freezed file
GDM	GoldDisk movie file
GIF	GIF v87a & GIF v89a Picture (.gif)
GUIDE	AmigaGuide file
GZIP	GZipped file
HTML	Html file
ICON	Amiga Icon file
JPEG	JPEG Picture (Type 1 & Type 2, JFIF)
MOD	Noise- & Protracker, StarTrekker, MED, OctaMed, Octalyzer, FTM, FutureComposer 1.3&1.4, TFMX, ScreamTracker, SoundMon, S3M, JamCracker Modules
OBJ	Amiga linkable object file
PCX	PCX Picture
PS	PostScript file
SUN	Sun Raster Image RAS (.RAS)
TGA	Targa Image (.TGA)
TIFF	Tiff Picture Type 1 & 2 (.TIF)
24BI	Iff: 24bit picture
8SVX	Iff: 8-bit sample voice
ANIM	Iff: Anim file
CPFM	Iff: Personal FontManager Charset/Font
CDVR	Iff: Can Do Variable File
DECK	Iff: Can Do Deck File
DMCS	Iff: General Music Score (DeluxeMusicConKit)
DR2D	Iff: Vector Picture (ArtExpression)
FAXX	Iff: GPFax File
FTXT	Iff: Formatted Text
HEAD	Iff: Flow File
ILBM	Iff: Interleaved Bit Map (Picture)
OFNT	Iff: ProVector Font
PENV	Iff: PenPal Document
SC3D	Iff: Sculpt 3d
SMUS	Iff: Simple Music Score
SPAB	Iff: SpAB School Data File
SWRT	Iff: FinalCopy II / FinalWriter Document
TEXT	Iff: Plain unformatted Ascii Text
VDEO	Iff: Deluxe Video
WORD	Iff: Document (ProWrite)
WOWO	Iff: Word Worth Document

ARGUMENTS

"TypeID" file type identifier.
 "Command" CLI command to be executed.

DEFAULT

Command is set to "SYS:Utilities/MultiView >NIL: %s" for all supported file types.

EXAMPLE

```
FILETYPE GUIDE "SYS:Utilities/MultiView >NIL: %s"
```


1.17 Archive Configuration

ARCHIVE

SYNOPSIS

```
ARCHIVE "ArcID" "Command"
```

DESCRIPTION

With this keyword you can set commands which should be executed according to the archive type of the selected files. There are three commands for each archive type: a normal arc command, an unarc command and a listarc command. ArcID is one of the archive type identifiers listed below and command is a CLI command which should contain one or two '%s'. Listing archives and extracting archives needs only one '%s' for the file name but adding files to archive requires two '%s'. The first one for the name of the archive which should be generated and the second one for the file name to add. Currently the following 'ArcID's are supported:

ARC	Arc archive add
ARJ	Arj archive add
LHA	Arj archive add
ZIP	Zip archive add
ZOO	Zoo archive add
XARC	Xpk archive add
LISTARC	Arc archive list
LISTARJ	Arj archive list
LISTLHA	Arj archive list
LISTZIP	Zip archive list
LISTZOO	Zoo archive list
LISTXARC	Xpk archive list
UNARC	Arc archive extract
UNARJ	Arj archive extract
UNLHA	Arj archive extract
UNZIP	Zip archive extract
UNZOO	Zoo archive extract
UNXARC	Xpk archive extract

ARGUMENTS

"ArcID"	archive type identifier.
"Command"	CLI command to execute.

DEFAULT

ARCHIVE ARC	"Arc a %s %s"
ARCHIVE ARJ	"Arj a %s %s"
ARCHIVE LHA	"LhA -x -r a %s %s"
ARCHIVE ZIP	"Zip a %s %s"
ARCHIVE ZOO	"Zoo a %s %s"
ARCHIVE XARC	"xArc %s %s"
ARCHIVE UNARC	"Arc x %s %s"
ARCHIVE UNARJ	"Arj x %s %s"
ARCHIVE UNLHA	"LhA x %s %s"

```

ARCHIVE UNZIP      "Zip x %s %s"
ARCHIVE UNZOO      "Zoo x %s %s"
ARCHIVE UNXARC      "xArc x %s %s"
ARCHIVE LISTARC     "Arc v %s"
ARCHIVE LISTARJ     "Arj v %s"
ARCHIVE LISTLHA     "LhA v %s"
ARCHIVE LISTZIP     "Zip v %s"
ARCHIVE LISTZOO     "Zoo v %s"
ARCHIVE LISTXARC     "xArc -l %s"

```

EXAMPLE

```
ARCHIVE LhA "c:LhA a %s %s"
```

1.18 General Configuration

VARIABLE

SYNOPSIS

```
VARIABLE "VarID" "Value"
```

DESCRIPTION

This keyword is needed to set some important options. 'VarID' is one of the variable names listed below and value is a parameter string for the variable. Currently the following 'VarID's are supported:

Global:

- APPWINDOW

Here you can specify what happens when you drop an icon on a listview. If you set it to 'LOAD' the directory of the dropped icon will be loaded into the listview, if you use 'COPY' the dropped file or directory will be copied into it the current loaded directory.

Example: VARIABLE APPWINDOW "LOAD"

- ARCHANDLER

Here you can switch ON or OFF whether you like to want RO to support ARCHandler. If you switch it ON and you doubleclick on a .lha file the path will be expanded to its ARCHandler equivalent and RO will load the directory corresponding to the selected archive.

Example: VARIABLE ARCHANDLER "ON"

- COMPLETED

Here you can specify what should happen if RO finished an operation while it is iconified. You may set it to 'NOTHING', 'FLASH' or 'POPUP'.

Example: VARIABLE COMPLETED "NOTHING"

- CHECKFIT

Here you can switch ON or OFF whether you like to check the filesize if it fits on the destination disk or not. RO counts the bytes and checks how many blocks are needed for organisation etc. on the

destination device. So don't get confused by values which seem to be wrong.

Example: VARIABLE CHECKFIT "ON"

- CREATEICONS

If you want RO to create a directory icon if you use mkdir or to create a project icon if you create a file set this option ON, if not switch it OFF.

Example: VARIABLE CREATEICONS "OFF"

- DRIVEBUTTONS

It is a bit difficult to explain... there are two different types of Drivebutton handling. The first one is called 'Normal' and the second one is called 'Active'. In normal mode you have eight Drivebuttons for every side, so if you click on a Drivebutton below the left side the directory is loaded in the left side. In active mode you have sixteen Drivebuttons for both sides. If you click on a Drivebutton it affects the active Listview and not the one according to the side where you clicked.

Example: VARIABLE DRIVEBUTTONS "Active"

- FOLLOWSCROLL

This keyword is needed to switch ON or OFF whether you like to scroll the directory window to follow operations or not.

Example: VARIABLE FOLLOWSCROLL "OFF"

- HELPFILE

You can set the file name of the online help file here.

Example: VARIABLE HELPFILE "HELP:RO.guide"

- HISTORY

Here you can set the number of buffers RO should remember.

Example: VARIABLE HISTORY "42"

- HOTDIRS

Exactly the same as DRIVEBUTTONS but for HotDirs. Function keys F1 to F5 affect the left side, F6 to F10 affect the right side.

Example: VARIABLE HOTDIRS "Active"

- OUTPUT

Specify the default output window for all commands launched by RO.

Example: VARIABLE OUTPUT "CON:0/0/640/400/Output/CLOSE/AUTO"

- OVERWRITE

You can specify what should happen if you write to a file which already exists perhaps if you want to copy another one over it. You may choose between 'ALWAYS', 'NEVER', 'OLDER' and 'VERIFY'. ALWAYS will quietly overwrite the file without further information, NEVER will break the operation if a file already exists, OLDER will only replace older files and VERIFY will pop up a 'Do you really want...' requester.

Example: VARIABLE OVERWRITE "ALWAYS"

- PATHEXPAND

This switch controls the path extension. If you switch it ON all paths are 'expanded'. E.g. if you enter LIBS: it is expanded to something like "System:Libs/". Some older filesystems like ParNet,

SerNet or MessyDOS may cause problems with it, so if you use one of them turn this switch OFF.

- QUITVERIFY

Switches the 'Do you really want to quit RO?' requester ON or OFF, where you can select Quit, Iconify or Cancel. Hitting the Close Gadget equals clicking the Cancel Gadget.

Example: VARIABLE QUITVERIFY "ON"

- TEMPDIR

Here you can specify a temporary directory which is needed for some special actions like decrunching files or listing archives.

Example: VARIABLE TEMPDIR "TEMP:"

Copy:

- COPYBUF

Here you can set the maximum buffer RO will use for copying files.

Example: VARIABLE COPYBUF "50000"

- COPYDATE

Here you can switch ON or OFF whether you like to copy the date of a file or not. Otherwise the date will be set to the actual date.

Example: VARIABLE COPYDATE "OFF"

- COPYFLAGS

Here you can switch ON or OFF whether you like to copy the protection bits or not. If not, RO sets the default protection (RWED).

Example: VARIABLE COPYFLAGS "OFF"

- COPYNOTE

Here you can switch ON or OFF whether you like to copy the note of a file or not. If not, RO clears the note field.

Example: VARIABLE COPYNOTE "OFF"

- COPYSTAT

Here you can switch ON or OFF whether you like to see the currently copied file or not. This could be useful if you copy many small files because displaying every copied file in the status bar could mean a heavy cpu load.

Example: VARIABLE COPYSTAT "OFF"

Delete:

- DELDELAY

Here you can specify a delay in ticks (50 ticks = 1 second) to wait before deleting a temporary generated file (e.g. while listing an archive or decrunching a XPK packed file). This could be useful if you have a text viewer which detaches from CLI and is not fast enough to load the temp file before it is deleted. Warning: There might be problems deleting the file if the command locks the temp file. So its better to use a command that does not detach from CLI.

Example: VARIABLE DELDELAY "50"

- DELFORCE
Here you can switch ON or OFF whether you want to force deleting of protected files. This setting also affects overwriting protected files. If you switch it ON the files are quietly deleted/overwritten.
Example: VARIABLE DELFORCE "ON"
- DELSTAT
Here you can switch ON or OFF whether you like to see the currently deleted file in the status bar or not. This might be useful for the same reasons as COPYSTAT.
Example: VARIABLE DELSTAT "OFF"
- DELVERIFY
Switches the 'Are you sure you want to delete these entries ?' requester ON or OFF.
Example: VARIABLE DELVERIFY "OFF"

Listview:

- LOADLEFT/LOADRIGHT
You can specify a path which is automatically loaded in the according Listview on startup
Example: VARIABLE LOADRIGHT "RAM:"
- PAGELEFT/PAGERIGHT
This variable sets the page which is in front if you start RO. There are three pages: 'Directory', 'Buffers' and 'Volumes'.
Example: VARIABLE PAGERIGHT "Volumes"
- FIRSTLEFT/FIRSTRIGHT
Adjust the place which type of directory entries is displayed first. Possible settings are "Dirs", "Files" and "Mixed".
Example: VARIABLE FIRSTLEFT "Mixed"
- SORTLEFT/SORTRIGHT
Indicate which field should be used as sort criteria. Possible settings are "Name", "Date" and "Size".
Example: VARIABLE SORTRIGHT "Size"

Clock:

- CLOCKPRI
You can specify the priority of the 'RO Clock' Task here. I suggest to use the default value. The value must be between -128 and 127
Example: VARIABLE CLOCKPRI "0"
 - CLOCKREFRESH
Here you should specify the ticks (50 ticks = 1 second) between two clock updates. This value should be chosen carefully, because if you specify a very small value the clock starts flashing.
Example: VARIABLE CLOCKREFRESH "50"
 - SHOWDATE
Here You may specify if you want to display a date string in the status bar not.
-

Example: VARIABLE SHOWDATE "OFF"

- SHOWDAY

Here you may specify if a day string like 'Sunday' or 'Monday' should be displayed.

Example: VARIABLE SHOWDAY "ON"

- SHOWTIME

Switch this variable 'ON' if you want RO's Clock to display the time.

Example: VARIABLE SHOWTIME "OFF"

- SHOWSECONDS

Specifies if RO's Clock should display seconds. This variable takes only affect if SHOWTIME is set to 'ON'. I suggest to turn this option off to avoid heavy cpu loads.

Example: VARIABLE SHOWSECONDS "ON"

- SHOWMEMORY

Here you can switch the Workbench-Style Memory display 'ON' and 'OFF'

Example: VARIABLE SHOWMEMORY "ON"

DEFAULT

VARIABLE	TEMPDIR	"T:"
VARIABLE	OUTPUT	"CON:0/0/640/200/Output/CLOSE/AUTO"
VARIABLE	HISTORY	"50"
VARIABLE	HELPPFILE	"PROGDIR:RO.guide"
VARIABLE	COMPLETED	"Flash"
VARIABLE	DRIVEBUTTONS	"Normal"
VARIABLE	HOTDIRS	"Normal"
VARIABLE	ARCHANDLER	"OFF"
VARIABLE	CHECKFIT	"ON"
VARIABLE	QUITVERIFY	"ON"
VARIABLE	OVERWRITE	"VERIFY"
VARIABLE	APPWINDOW	"LOAD"
VARIABLE	CREATEICONS	"ON"
VARIABLE	FOLLOWSCROLL	"ON"
VARIABLE	PATHEXPAND	"ON"
VARIABLE	COPYBUF	"1048576"
VARIABLE	COPYDATE	"ON"
VARIABLE	COPYFLAGS	"ON"
VARIABLE	COPYNOTE	"ON"
VARIABLE	COPYSTAT	"ON"
VARIABLE	DELDELAY	"0"
VARIABLE	DELFORCE	"OFF"
VARIABLE	DELVERIFY	"ON"
VARIABLE	DELSTAT	"ON"
VARIABLE	LOADLEFT	" "
VARIABLE	LOADRIGHT	" "
VARIABLE	PAGELEFT	"Directory"
VARIABLE	PAGERIGHT	"Directory"
VARIABLE	FIRSTLEFT	"Dirs"
VARIABLE	FIRSTRIGHT	"Dirs"
VARIABLE	SORTLEFT	"Name"

VARIABLE	SORTRIGHT	"Name"
VARIABLE	CLOCKREFRESH	"500"
VARIABLE	CLOCKPRI	"-10"
VARIABLE	SHOWDAY	"ON"
VARIABLE	SHOWDATE	"ON"
VARIABLE	SHOWTIME	"ON"
VARIABLE	SHOWSECONDS	"OFF"
VARIABLE	SHOWMEMORY	"ON"

1.19 Menu Configuration

MENU

SYNOPSIS

```
MENU "MenuText" "Command"
```

DESCRIPTION

With this keyword you can create a user menu with up to 20 entries, the command may contain a '%' if you want to use your menu entry to perform an action on the selected files. If you just want to start a general utility like a disk copier or a calculator do not specify a '%' within the command string otherwise a selected entry is needed to start the command.

ARGUMENTS

"MenuText"	40 characters as menu text
"Command"	CLI command to execute

DEFAULT

```
MENU "" ""
```

EXAMPLE

```
MENU "Calculator" "SYS:Tools/Calculator"
```

1.20 Buffer Configuration

BUFFER

SYNOPSIS

```
BUFFER "PathName"
```

DESCRIPTION

With this keyword it is possible to fill the 'Buffer' page with directories you often need. The number of buffers is only limited by

the amount of memory you have.

ARGUMENTS

"PathName" directory name to insert

DEFAULT

BUFFER ""

EXAMPLE

BUFFER "DH1:Comm/Term/Uploads"

1.21 HotDir Configuration

HOTDIR

SYNOPSIS

HOTDIR "Number" "PathName"

DESCRIPTION

Here you can specify up to ten Hotdirs. These Hotdirs can be accessed via the function keys F1-F10. 'Number' must be between 1 and 10.

ARGUMENTS

"Number" function key number between 1 and 10
"PathName" directory name to insert

DEFAULT

HOTDIR 1 ""
HOTDIR 2 ""
HOTDIR 3 ""
HOTDIR 4 ""
HOTDIR 5 ""
HOTDIR 6 ""
HOTDIR 7 ""
HOTDIR 8 ""
HOTDIR 9 ""
HOTDIR 10 ""

EXAMPLE

HOTDIR 5 "DH1:Comm/Term/Uploads"

1.22 Drive Configuration

DRIVE

SYNOPSIS

```
DRIVE "Number" "GadgetText" "PathName"
```

DESCRIPTION

Here you can specify up to 32 drive buttons, if you specify 16 buttons you will get only one row of gadgets if you specify more, a second row will be added. The GadgetText is limited to 10 characters this should be enough because more would need a really high resolution. It might happen that RO does not fit on your screen even with 5 characters per button. It would be best if you play around with it but I suggest to use 3 characters.

ARGUMENTS

```
"Number"      number of drive button between 1 and 32
"GadgetText"  10 characters as gadget text
"PathName"    directory name to load
```

DEFAULT

```
DRIVE 1 "DF0" "DF0:"
DRIVE 2 "DF1" "DF1:"
DRIVE 3 "RAM" "RAM:"
DRIVE 4 "DH0" "DH0:"
DRIVE 5 "DH1" "DH1:"
DRIVE 6 "DH2" "DH2:"
DRIVE 7 "DH3" "DH3:"
DRIVE 8 "CD0" "CD0:"
DRIVE 9 "DF0" "DF0:"
DRIVE 10 "DF1" "DF1:"
DRIVE 11 "RAM" "RAM:"
DRIVE 12 "DH0" "DH0:"
DRIVE 13 "DH1" "DH1:"
DRIVE 14 "DH2" "DH2:"
DRIVE 15 "DH3" "DH3:"
DRIVE 16 "CD0" "CD0:"
```

EXAMPLE

```
DRIVE 2 "INBOUND" "Work:News/Inbound/"
```

1.23 Button Configuration

BUTTON

SYNOPSIS

```
BUTTON "Number" "ButtonType" "GadgetText" "Command"
```

DESCRIPTION

This is the most important keyword in the RO's configuration, here you can specify which text appears on which button and which command is executed if you click on a button. After the Keyword you have to supply a number of the button you want to set. It must be between 1 and 120. Currently RO supports two types of Buttons: A command button and a function button. A command button is a button where you can implement a standard CLI command. All you have to do is to supply a command string with a '%s' at the position where the file name should be inserted. The function button is a button where you call internal functions. You must also supply a gadget string for the button which may not be longer than 10 characters. Currently supported are the following internal functions:

About	Show about information.
Action	Perform fileaction on selected files.
AddArc	Add files to archives using 'Arc'.
AddArj	Add files to archives using 'Arj'.
AddLhA	Add files to archives using 'LhA'.
AddZip	Add files to archives using 'Zip'.
AddZoo	Add files to archives using 'Zoo'.
AddXArc	Add files to archives using 'xArc'.
All	Select all entries in active listview.
Assign	Create an assign for active directory.
ByName	Select files by name.
Bytes	Count bytes of selected entries.
Change	Change sorttype of active listview.
Command	Execute a command.
Copy	Copy files and directories.
CopyAs	Copy files and directories and change name.
CopyDev	Copy files to a device.
Delete	Delete files and directories.
Disk	Show information about active disk.
Dup	Duplicate entries.
Execute	Execute a batch file.
Expand	Expand a path to its ARCHandler equivalent.
Fit	Check if entries fit on destination.
Help	Show online help.
Icon	Select corresponding .info files.
Info	Show quick information for all devices.
LActive	Activate left listview.
LCopy	Copy active listview to inactive.
LSwap	Swap active and inactive listview
ListArc	List contents of archives.
LParent	Load parent directory of left path.
LReload	Refresh left directory.
LRoot	Load root directory of left path.
MakeDir	Create directories.
MdLoad	Create a directory and load it.
Move	Move files and directories.
MoveAs	Move files and directories and change name.
None	Deselect all entries.
Note	Modify filenotes.
Parent	Load parent directory.
Protect	Modify protection flags.
Quit	Quit 'RO'
RActive	Activate right listview.

Reboot	Reboot your system.
Relabel	Relabel volumes.
Reload	Refresh active directory.
Rename	Rename entries.
Rexx	Execute a rexx file.
Root	Load root directory.
RParent	Load parent directory of right path.
RReload	Refresh left directory.
RRoot	Load root directory of right path.
SetDate	Modify date of a file or directory.
Shrink	Shrink an ARCHandler path to normal.
Toggle	Toggleselect all entries.
Touch	Set date or create file.
UnArc	Extract files from archives.

ARGUMENTS

"Number"	number of drive button between 1 and 120
"ButtonType"	command or function button
"GadgetText"	up to ten chars as gadget text
"Command"	command to execute

DEFAULT

BUTTON	1	COMMAND	"Read"	"SYS:Utilities/Most >NIL: %s"
BUTTON	2	COMMAND	"Run"	"Run >NIL: %s"
BUTTON	3	FUNCTION	"Delete"	DELETE
BUTTON	4	FUNCTION	"Move"	MOVE
BUTTON	5	FUNCTION	"Copy"	COPY
BUTTON	6	FUNCTION	"Bytes"	BYTES
BUTTON	7	FUNCTION	"All"	ALL
BUTTON	8	FUNCTION	"Arc"	ADDLHA
BUTTON	9	COMMAND	"View"	"SYS:Utilities/MultiView >NIL: %s"
BUTTON	10	COMMAND	"Edit"	"Ed >NIL: %s"
BUTTON	11	FUNCTION	"Touch"	TOUCH
BUTTON	12	FUNCTION	"Move As"	MOVEAS
BUTTON	13	FUNCTION	"Copy As"	COPYAS
BUTTON	14	FUNCTION	"Fit"	FIT
BUTTON	15	FUNCTION	"None"	NONE
BUTTON	16	FUNCTION	"ListArc"	LISTARC
BUTTON	17	FUNCTION	"Action"	ACTION
BUTTON	18	COMMAND	"XEdit"	"SYS:Tools/FileX >NIL: %s"
BUTTON	19	FUNCTION	"MakeDir"	MAKEDIR
BUTTON	20	FUNCTION	"Rename"	RENAME
BUTTON	21	FUNCTION	"Dup"	DUP
BUTTON	22	FUNCTION	"Refresh"	RELOAD
BUTTON	23	FUNCTION	"Pattern"	BYNAME
BUTTON	24	FUNCTION	"UnArc"	UNARC
BUTTON	25	COMMAND	"Music"	"SYS:Tools/DeliTracker >NIL: MODULE %s"
BUTTON	26	FUNCTION	"Assign"	ASSIGN
BUTTON	27	FUNCTION	"Command"	COMMAND
BUTTON	28	FUNCTION	"Comment"	NOTE
BUTTON	29	FUNCTION	"Change"	CHANGE

```
BUTTON 30 FUNCTION "Parent"  PARENT
BUTTON 31 FUNCTION "Reverse" TOGGLE
BUTTON 32 FUNCTION "About"   ABOUT

BUTTON 33 FUNCTION "LSwap"   LSWAP
BUTTON 34 FUNCTION "Relabel" RELABEL
BUTTON 35 FUNCTION "Execute" EXECUTE
BUTTON 36 FUNCTION "Protect" PROTECT
BUTTON 37 FUNCTION "Expand"  EXPAND
BUTTON 38 FUNCTION "Root"    ROOT
BUTTON 39 FUNCTION "Icon"     ICON
BUTTON 40 FUNCTION "Help"     HELP

BUTTON 41 FUNCTION "LCopy"    LCOPY
BUTTON 42 FUNCTION "CopyDev"  COPYDEV
BUTTON 43 FUNCTION "Rexx"     REXX
BUTTON 44 FUNCTION "SetDate"  SETDATE
BUTTON 45 FUNCTION "Shrink"   SHRINK
BUTTON 46 FUNCTION "Disk"     DISK
BUTTON 47 FUNCTION "Info"     INFO
BUTTON 48 FUNCTION "Quit"     QUIT
```

EXAMPLE

```
BUTTON 98 COMMAND "DirTree" "c:DirTree %s"
```

1.24 about

About

This function opens the requester which contains my address and other information about the registration.

1.25 action

Action

This function performs a command on every selected file according to its file type. You have to specify a command for each file type if you want to use this function otherwise MultiView will be started for all file types. Consult the FILETYPE section in the configuration chapter for further information.

You can abort this option by closing the progress indication window.

1.26 addarc

AddArc

This function adds all selected files to an archive file. The archive

file will be created on the destination device and a requester will pop up to ask you for a name. There exists a function for every archive type e.g. 'AddLhA' or 'AddArj'.

You can abort this option by closing the progress indication window.

1.27 all

All

This function selects all entries in the active directory listview.

1.28 assign

Assign

This function creates an assign for the path currently loaded in the active listview. A requester will pop up to ask you for a device name. You should enter something like 'foobar:' here. The colon is optional and may be left out.

1.29 byname

ByName

This function selects all entries matching a specified pattern in the active directory listview. A requester pops up and asks you for a pattern. You may specify all standard AmigaDOS wildcards such as '#?' or '*' here.

1.30 bytes

Bytes

This function counts all bytes of the selected entries and their sub directories in the active listview. After that an information is displayed in the status bar which should look like '64728 Bytes in 109 Files and 15 Directories'.

You can abort this option by closing the progress indication window.

1.31 change

Change

With this function you can change the current sort type of the active listview. This works analog to the SORTLEFT, SORTRIGHT and FIRSTLEFT, FIRSTRIGHT keywords in the configuration file. A requester opens where you can select the sort criterias.

1.32 command

Command

This function lets you start a standard CLI command.

1.33 copy

Copy

This function copies all selected files and/or directories from the source listview to the destination path. If you use CopyAs a requester pops up which asks you for a new name of the currently copied file. You can abort the operation by hitting the 'Cancel' gadget or you may skip the current file by clicking on 'Skip'.

If you set the according options in the preference file or you selected them from menu, the flags, comment and date of the copied files are cloned. Refer to the VARIABLE configuration chapter.

You can abort this option by closing the progress indication window.

1.34 copydev

CopyDev

This function copies all selected files of the active listview to a specified device. A requester pops up which asks you where the entries should be copied to. This is useful if you have a couple of ascii text files and want to print them. All you have to do is 'CopyDev' them to 'PRT:'.

1.35 delete

Delete

This function deletes all entries currently selected in the active directory. A requester might pop up which asks you if you are really sure that you want to delete the selected entries but this depends on your configuration or on the DELVERIFY settings in the menu.

You can abort this option by closing the progress indication window.

1.36 disk

Disk

This function opens a requester which shows all information about the device currently loaded in the active listview. You can obtain things like free bytes or block size of the device here. To close the requester just click on okay or use the close gadget.

1.37 dup

Dup

This function duplicates all selected entries in the active listview. You will be asked at each entry how to call the copy. You may abort this function by hitting the 'Cancel' gadget or you may skip a single file by clicking on the 'Skip' gadget.

1.38 execute

Execute

This function lets you execute a standard batch file.

1.39 expand

Expand

If you use ARCHHandler this might be useful for you. This function expands the path name of the actual loaded directory of the active listview. e.g. System:Devs/ to Archives:System/Devs/

1.40 fit

Fit

This function calculates the number of bytes the selected enties will need on the destination device. RO also cares about the blocks needed for directory organisation. After that an information is displayed in the status bar which tells you if the selected entries fit on the destination device or not.

You can abort this option by closing the progress indication window.

1.41 help

Help

This function opens the online help main page. You can also get this by pressing the `HELP` key. When the `HELP` key is pressed RO tries to obtain the `help` node from the current object (the one under the mouse pointer) and shows the according help page.

1.42 icon

Icon

This function selects all corresponding `'info'` files for the current selected entries in the active listview.

1.43 info

Info

This function opens a requester which shows all information about the currently selected entries of the active listview. You can obtain things like file type and protection bits here. To get to the next file close the requester just by clicking on okay. The function may be aborted by hitting the `'Cancel'` gadget or by closing the window via close gadget.

1.44 active

Active

This function lets you activate a certain Listview. `LActive` activates the left one and `RActive` activates the right one.

1.45 lcopy

LCopy

This function copies the active listview path to the other listview.

1.46 lswap

LSwap

This function swaps the active and inactive listview paths.

1.47 listarc

ListArc

This function lists all selected archive files using the matching archive lister and the ascii file type command.

You can abort this option by closing the progress indication window.

1.48 parent

Parent

This function loads the parent directory of the active listview. If you use 'LParent' it performs a Parent function on the left listview if you use 'RParent' it uses the right listview. If RO can't find a parent directory for the path it just updates the directory.

1.49 reload

Reload

The functions Reload, LReload and RReload update the active, left or right directory currently loaded in the directory listview.

1.50 root

Root

This function loads the root directory of the active listview. If you use LRoot or RRoot this function applies to the left or right side.

1.51 mkdir

MakeDir

If you use this function a requester appears which asks you for a name. The name you enter will be used as name for a directory which is created in the active listview. If you use 'MDLoad' instead the directory is also loaded into the source listview.

1.52 move

Move

This function moves all selected files and/or directories from the source listview to the destination path. If you use MoveAs a requester pops up which asks you for a new name of the currently copied file. You can abort the operation by hitting the 'Cancel' gadget or you may skip the current file by clicking on 'Skip'. RO notices if you move files from a device to the same device. It just renames the files which is probably much faster than copying and deleting them.

If you set the according options in the preference file or you selected them from menu the flags, comment and date of the moved files are cloned. Refer to the VARIABLE configuration chapter.

You can abort this option by closing the progress indication window.

1.53 none

None

This function deselects all entries in the active directory listview.

1.54 note

Note

This function lets you change the file comment of all selected entries in the active listview. A requester pops up which contains the old comment and you may change it there. The operation can be aborted by hitting the 'Cancel' gadget or you may skip the current file by clicking the 'Skip' gadget. To proceed just press return or use the 'Okay' button.

1.55 protect

Protect

This function opens a requester where you may change the protection bits for the selected entries. For each protection flag you may choose 'Ignore', 'Set' or 'UnSet'. 'Ignore' means that this bit is not changed, 'Set' means that this bit is set and 'UnSet' means that this bit is cleared. You may change these bits step by step for each entry by using the 'Okay' gadget or you may change them all at once by clicking the 'All' button. The operation may be aborted by hitting the 'Cancel' gadget or by closing the progress indication window.

1.56 quit

Quit

Quits the program and removes RO from memory.

1.57 reboot

Reboot

Reboots your computer without any warning requester. :)

1.58 relabel

Relabel

With this function you can change the device name of the directory loaded in the active listview. A requester pops up and you may modify the name there. If you want to abort the operation use the 'Cancel' button.

1.59 rename

Rename

This function is needed to rename the selected entries. A requester pops up for every entry and you may change its name. If you want to abort the operation click on 'Cancel' but if you just want to skip the current entry select 'Skip'. After you have changed the name press return to proceed or hit the 'Okay' Button.

1.60 rexx

Rexx

This function lets you start a standard rexx script.

1.61 setdate

SetDate

This function lets you set the date and time of all entries currently selected in the active listview. A requester pops up with the old date and time of the entry as string gadget contents and you may modify it. The input must be in standard AmigaDOS format. You may abort the function by using the 'Cancel' gadget or you may skip the current file by hitting the 'Skip' button.

1.62 shrink

Shrink

If you use ARCHandler this might be useful for you. This function shrinks the path name of the actual loaded directory of the active listview. e.g. Archives:System/Devs/ to System:Devs/ but it works only if the currently loaded directory is no archive file.

1.63 toggle

Toggle

This function toggle selects all entries in the active directory listview.

1.64 touch

Touch

If you have one or more entries selected this function updates the date and time, otherwise a requester asks you for a file name and this file will be created in the active path. If you are updating dates you may abort the operation by closing the progress indication window otherwise just press the 'Cancel' button.

1.65 unarc

UnArc

This function extracts all selected archives to the destination listview using an archive extractor according to the file type.

You can abort this option by closing the progress indication window.

1.66 Arexx Interface

ARexx Interface

RO has a built-in ARexx port, but in this version RO understands only the standard MUI application arexx commands.

- QUIT

Ends the application.

- HIDE

Hides (iconifies) the application

- SHOW

Shows (pops up) an iconified application.

- INFO ITEM/A

According to the given parameter the result string is filled with the following contents:

- "title" Title of the application
- "author" Author of the application
- "copyright" Copyright message
- "description" Short description
- "version" Version string
- "base" Name of the ARexx port
- "screen" Name of the public screen

- HELP FILE/A

A list of all ARexx commands available for the application is written into the given file. In addition to the default commands an MUI application can (and of course should) support many application specific commands. The help list will contain these commands as well.

...this is a small extract from the MUI documentation and you should consult the according part there for further information.

1.67 Discussion

Q: Sometimes RO does not recognize that I have a file selected. Why?

A: No there is another problem. It is sometimes really difficult to see if a file is selected or not because the cursor which is normally needed for keyboard control has nearly the same color as a selected file with the cursor on it. You can 'fix' this problem if you set the 'BG ListView Selected+Cursor' image to another color.

Q: How can I change the active side without selecting a file?

A: You may activate a path gadget either by pressing the 'tab' key or via mouse.

1.68 Registration

Registration

If you register you will receive a disk with the newest public release of RO and a personalized, so-called "keyfile" that turns the crippled version into a full functional and powerful Directory Tool! With the keyfile you can unlock all future versions of RO.

The price for a RO registration is

20.- DM (D-Mark),
15.- US\$ (US Dollar)

or an equivalent amount of US\$ 20.- (twenty!) in any other currency. "Twenty" because I have to visit my bank and sell your foreign currency which is some kind of expensive here in Germany. If you think your bank does it cheaper, feel free to get some 15.- US\$ at home and send them.

The fastest, cheapest and easiest way to register is put the money together with the filled registration form into a letter and send it to:

Oliver Rummeyer
Hochbergstraße 49/1
D-88213 Ravensburg
Germany/Europe

Euro cheques (in DM) are also welcome, but please do not send any kind of foreign cheques since the bank charges outrageous fees from both the sender and the receiver. If you really feel you must use such cheques, please include extra \$10.

You can also transfer the money directly to my bank account, but beware: international transfers via banks are very expensive.

Kreissparkasse Ravensburg, BLZ 650 501 10, Konto 48-276999

In any case, be sure to provide me with your name, address, phone number and e-mail 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. You may use the sample Registration Form included in the documentation.

Thank you for supporting Shareware!

1.69 Registration Form

Oliver Rummeyer
Hochbergstraße 49/1
D-88213 Ravensburg

Germany/Europe

Dear Oliver,

I would like to become a registered user of "RO". Please send the disk containing the latest release and my keyfile to

Name: _____

Address: _____

Country: _____

Phone: _____

E-Mail: _____

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

- ☐ DM 20.- in bills, coming with this letter.
- ☐ US\$ 15.- in bills, coming with this letter.
- ☐ eurocheque in DM, coming with this letter.
- ☐ foreign cheque in US\$, coming with this letter
(including extra \$10 for cashing).
- ☐ Bank transfer.

I have read the license and distribution details and agree.

(Date)

(Signature)

1.70 Updates

Updates

Whenever a new version of RO gets released, I will post some information in the appropriate newsgroups of some electronic networks. The new archive will soon be available on many bulletin boards and on all 'aminet' FTP servers.

The RO Support Mailbox 'Uplink BBS' Sysop Alexander Abt always offers the most recent release for Fido file request at these nodes:

Node 1: +49-0751-96217 2:246/2320 USR 16.8 DS

```
Node 2: +49-0751-97522 2:246/2321 USR 14.4 DS
Node 3: +49-0751-97251 2:246/2322 USR 14.4
Node 4: +49-0751-97261 2:246/2323 USR 14.4
Node 5: +49-0751-97376 2:246/2324 Zyx E+
```

Use the magic name 'RO'. Alternatively you can login with a user name of 'RO' and a password of 'RO'.

As mentioned above, registered users will neither need a new keyfile nor a special personalized program version. They can use all new features immediately.

1.71 Support

Support

If you have suggestions, questions, critics or bugreports or you simply like my program, then write to:

SMail: Oliver Rummeyer
Hochbergstraße 49/1
D-88213 Ravensburg
Germany/Europe

E-Mail: Internet oliver.rummeyer@student.uni-ulm.de
oliver@rumor.rv.sub.org (*COMMING SOON*)
Fidonet 2:246/2320.1@fidonet

1.72 History

History

- Version 0.80 (26.8.94)
Initial Release.
- Version 0.81 (7.9.94)
 - o Fixed some minor bugs.
 - o Added a configuration switch to toggle path extension.

1.73 Future Enhancements

Future Enhancements

- o User configurable filetypes
 - o Locale support
 - o Improved keyboard control
 - o Improved command interpreter
-

- o Improved arexx port
- o Configuration Editor

1.74 Acknowledgments

Acknowledgments

The author wishes to thank his beta testers...

- Alexander Abt

...for his great 'Recog' filetype recognition and for beta testing on Kickstart 2.04.

- Frank Schlichting

...for being my first beta tester, for his great suggestions and for reworking the documentation.

- Juergen Schubert

...for his ingenious suggestions and for writing the installer script.

...and...

- Martin "XEN" Hutteloher

...for his MagicWB package and his permission to use some icons within this package.

- Stefan Stuntz

...for his "Magic User Interface"

1.75 Disclaimer

Disclaimer

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1.76 License

License

- You may use RO for a period of up to 14 days of evaluation. After that you have to register.
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1.77 Installer

Installer

Along with RO comes the 'Installer' from Commodore:

```
Installer and Installer project icon
(c) Copyright 1991-93 Commodore-Amiga, Inc. All Rights Reserved.
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```

```
INSTALLER SOFTWARE IS PROVIDED "AS-IS" AND SUBJECT TO CHANGE;
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```

1.78 Magic User Interface

This application uses

MUI - MagicUserInterface

(c) Copyright 1993/94 by Stefan Stuntz

MUI is a system to generate and maintain graphical user interfaces. With the aid of a preferences program, the user of an application has the ability to customize the outfit according to his personal taste.

MUI is distributed as shareware. To obtain a complete package containing lots of examples and more information about registration please look for a file called "muiXXusr.lha" (XX means the latest version number) on your local bulletin boards or on public domain disks.

If you want to register directly, feel free to send

DM 30.- or US\$ 20.-

to

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