

**in**

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# Chapter 1

## in

### 1.1 Table of contents

\$VER: UAE-App 0.1.5 by Hippie2000

UAE-ADF Mount+Unmount Workbench-Interface

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### 1.2 what's new?

What's New?

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As of version 0.1.5, the program will no longer be launched from WBStartup. The executable is called "UA" now for good, and its location is C: from now on ←  
.  
A new command "ua startup" was added to launch the server from user-startup. Configuration no longer comes from the icon tooltypes, but from environment ←  
vars,  
which get created/modified by a comfortable installer script. The installer ←  
script  
preserves existing configuration from now on, just this time you will have to ←  
enter  
hostpath and hostslash again. UAE-App is now available in two versions, the normal one which just contains all my work, and the "fat" version which ←  
includes  
all optional files, to allow an "installation in one go" with just answering ←  
two  
questions. The documentation has been improved, and an amigaguide version has been included, with basic online help features in the GUI.

## 1.3 introduction

### Introduction

UAE-App is a Commodity integrating the DF0: - DF3: ADF disk emulation control of UAE in the Amiga-OS. It provides the entire scale of Amiga User-Interfaces, to make ADF disk emulation handling as simple as possible. A popup GUI for all functions is provided, as well as a shell scripting interface. Archiving and dearchiving functions are implemented to handle gzip/zip/dms compressed disk images with or without GUI.

## 1.4 requirements

### Requirements

UAE-App requires at least V37 of the Amiga-OS (Kick 2.04/Workbench 2.04), running on any port of UAE which allows to mount parts of the native host filesystem as amiga volumes. It was successfully tested with recent Windows, Linux, Mac and Amiga ports of UAE. UAE-App does not require any special libraries, just those which are part of the AmigaOS. However, if you want to enable the optional archiving support functions you need to have the GZip/UnZip/xDMS executables in your C: directory and of course ixemul.library in your libs: folder. If you do not already have these files present, you ←  
should  
consider to download the "fat" version,~which contains them all.  
(See "Download" below)

## 1.5 download

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## Download

[http://metamonk.com/uae-app/uae-app\\_015.lha](http://metamonk.com/uae-app/uae-app_015.lha)  
[http://metamonk.com/uae-app/uae-app\\_015.readme](http://metamonk.com/uae-app/uae-app_015.readme)  
[http://metamonk.com/uae-app/uae-app\\_015\\_fat.lha](http://metamonk.com/uae-app/uae-app_015_fat.lha)

## 1.6 installation

### Installation

**IMPORTANT:** If you do not already have UAE-App 0.1.4 and its optional files on your system, you should download the "fat" version of UAE-App, since it contains all necessary compression utilities with a common installer script, doing all in one go. (see "Download" section above). The fat version is not spread through aminet, so if you got this archive from aminet you should go to <http://metamonk.com/uae-app/> to get the latest fat version of UAE-App.

1) Mount a new volume "ADF:" using the UAE-GUI or UAE commandline-arguments. This must be a native-filesystem harddisk emulation, no harddisk image! Put all your ADF images there and start UAE to check if the new volume appears on your workbench.

2) Unpack the UAE-App archive in a temporary folder and double click the "Install" icon. The installation script will prompt you to answer two questions about the new volume "ADF:" which you have mounted before. First you will get asked for the path of the mounted directory within your host filesystem. Sample answer is "D:\amiga\adf\". Make sure that this path ends in a delimiter! Next you will have to enter the slash character used in your host filesystem to divide directorynames from filenames within pathes. Sample answer is "\". That's all. Once installation is finished UAE-App will be launched automatically so you will not have to reboot.

Note: The installation script automatically shuts down your old UAE-App server (if it is running). Whenever you want to change the settings of your UAE-App installation you just need to run the installation script again. You do not need to enter all information again, since it will be retrieved from your current settings.

## 1.7 gui usage

### GUI Usage

#### GUI POPUP WINDOW

UAE-App normally hides its GUI until you call an ADF disk insertion function by one of the interfaces described below. The GUI will pop up, showing you the path of the ADF image you want to insert, enabling the buttons "Insert 0" to

"Insert 3". Click one of them and the virtual disk will be inserted in the appropriate drive. Or click "Ignore", and the last insertion event will be ignored. ADF disk insertion is limited files matching the insertion pattern within the volume "ADF:". Anything else you may attempt to insert will just flash your workbench screen.

#### APP INTERFACE (DRAG AND DROP )

UAE-App enables the complete Workbench App-Interface to trigger ADF disk insertion and removal operations. Dragging an ADF image file in the Workbench-App-Icon or the Popup-GUI or activating the file and using the App-MenuItem will call the disk insertion function (ADF file does not need to have an icon for this). Dragging a disk icon associated with a DFx: virtual floppy drive in the Workbench-App-Icon or the Popup-GUI or activating it and using the App-MenuItem will call the disk removal function in turn.

#### DEFAULT TOOL INTERFACE

You may create Project Icons for your ADF image files, pointing at "c:ua" as default tool. This will enable you to insert ADF images by double-clicking at them, and MAY be the future interface to store UAE settings within the Workbench tooltypes of each ADF image. (TODO?)

#### SHUTTING DOWN UAE-APP

You do not want to do this, do you? OK! Use Commodities Exchange, or use "Quit ↵"  
 " ↵  
 in the GUI's "Project" menu, or send a Ctrl-F to the ua process to shut down ↵  
 the ↵  
 server. This will disable all functionality of UAE-App, even the shell ↵  
 interface ↵  
 and the default tool interface. Relaunch UAE-App to enable all features again.

## 1.8 shell usage

### Shell Usage

The executable is called "ua" and resides in your C: directory. It has an easy ↵  
 to ↵  
 use shell interface to all functions the GUI provides. The syntax is very ↵  
 simple, ↵  
 all keywords are the same ones as used in the GUI. The shell interface runs ↵  
 from ↵  
 a separate process, controlling the server in remote. The GUI, part of the ↵  
 server, ↵  
 may be used as a realtime monitor to all actions you trigger. All UAE-APP ↵  
 shell ↵  
 operations which provide a destination drive (eg "DF0:") WAIT for the action ↵  
 to be ↵  
 finished. The GUI (if opened) shows an asterisk (\*) in front of the filename ↵  
 display ↵  
 of each drive to monitor the wait state. If the wait state blocks for some ↵  
 reason ↵  
 (eg a bug) you may use the PRELIMINARY menu "beta hacks->clear wait flags" to ↵  
 unblock ↵

it again. Please try to find out what happened and send me a bug report. Here' ↔  
s the  
complete list of shell commands:

```
ua insert <adffile> [<drive>]
ua remove <drive>
```

```
ua create <adffile> [<drive>]
ua delete <adffile>
```

```
ua gzip <adffile> [<drive>]
ua unpack <archive> [<drive>]
ua test <archive> [<drive>]
```

```
ua reset
ua hardreset
ua debug
ua quituae
```

```
ua popup
ua hide
ua quitapp
ua startup
```

## 1.9 technical info

Technical info

UAE-App is a hybrid single executable solution. The first instance is launched from your user-startup. It acts as a server to handle all uelib functions, ↔  
the  
GUI, the AppInterface and a remote message-port in asynchronous way. Any ↔  
further  
instances of UAE-App (as launched by the filerequesters, the default tool ↔  
interface  
or the shell interface) send their results to the server, to be inserted in ↔  
the  
action stream.....

## 1.10 bugs-warnings-todo

Bugs-Warnings-Todo

- No character translation in filenames yet (except slashes)
- Disk images are not locked yet when mounted
- Don't run multiple scripts at once!

## 1.11 history

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## History

990423 uae-app\_015.lha 4th aminet release.

- ADDED: "fat" version which includes all optional files.
- ADDED: installer script, 7 clicks and 2 questions to setup all.
- ADDED: server now can be started from shell. (c:ua startup)
- ADDED: uae-app.guide = Help function/button/menu.
- CHANGED: configuration comes from environment vars now. (env:uae-app)
- CHANGED: executable is called C:UA launched from user-startup (c:ua startup)
- CHANGED: uae-app homepage relocated to <http://metamonk.com/uae-app/>
- CHANGED: icons renamed to def\_\*.info. def\_dms added, moved all to env:uae- ←  
app
- FIXED: uae-app.readme now contains download links and no more CRLFs.

990411 uae-app\_014.lha 3rd aminet release.

- ADDED: most buttons in GUI now have hotkey equivalents.
- ADDED: Scans for c:gzip, c:xdms, c:unzip, enabling compression functions ←  
in GUI.
- ADDED: GZip/UnPack compression/decompression commands (handle gzip/zip/dms ←  
).
- ADDED: Delete command.
- ADDED: Disk-Image menu with all disk related commands (Select/Create...).
- CHANGED: more realistic window limits now (resizes 1.5 times min-xsize).
- CHANGED: removed tooltype UAE-DEVICE and its display in about window.
- CHANGED: exchange-(in)activation does nothing now, didnt make any sense.
- CHANGED: realtime sync now comes from timer.device, not from cxfilter any ←  
more.
- FIXED: now properly handles changing defpubscreen (closes+reopens on popup ←  
).
- FIXED: appicon now has no\_icon\_position (dopus5 wb replacement ←  
compatibility).
- FIXED: initial opening of gui doesnt flicker any more (except drive ←  
contents).
- FIXED: major bcpl string misinterpretion (worked, but ouch).
- FIXED: major nil pointer bugs in shell interface (ouch).

990401 uae-app\_013.lha second aminet release.

- ADDED: CX\_POPUP and CX\_PRIORITY to commodities broker.
  - ADDED: error message if used from shell or default tool without server ←  
running.
  - ADDED: relaunching from workbench now shows popup window.
  - ADDED: improved shell interface, added wait feature.
  - ADDED: device name display (DHx:) in about/amigapath section.
  - CHANGED: improved error check.
  - CHANGED: improved uae-app.info tooltypes.
  - CHANGED: only 2 tooltypes are required in uae-app.info from now on. others ←  
are optional.
  - CHANGED: cleaned up the whole source, rewrote each routine.
  - CHANGED: entire GUI works 100% asynchronous from now on, no more blocking of ←  
GUI and eventstream.
  - CHANGED: filerequesters spawn own process now. Multiple filerequesters ←  
possible now.
  - FIXED: zero pointer bug in command dispatcher (ouch).
  - FIXED: appicon bug which sometimes called the guru (ouch).
-

990319 uae-app\_012.lha first aminet release.

- ADDED: about window, button and menue.
- ADDED: status display line, displaying all operations in gui.
- ADDED: pattern gadget to filerequesters, including adz and adf.gz files ← now.
- ADDED: emulator menue to call softreset/hardreset/exitemu/debug.
- ADDED: Create function, creates blank 880K adf image.
- CHANGED: checks AMIGA-PATH for uae.device now, fails safe on hardfiles and ← real amigas.
- CHANGED: enhanced asynchronous GUI filename refresh.
- FIXED: cx\_popkey bug with CX V37 (cx\_popkey installation now properly CX ← V38+).
- FIXED: filerequesters to work with v36+ os (oops, called v39 stuff before) ←

990312 uae-app\_011.lha first usable version.

- ADDED: AppMenuItem.
- ADDED: preliminary shell argument handler.
- ADDED: ADF project icon default tool interface.
- ADDED: Project menue.
- ADDED: ASL filerequester.
- ADDED: ignore button.
- ADDED: CX\_POPKEY tooltype and function (defaults to ctrl alt u).
- CHANGED: simplified gui.

990306 uae-app\_010.lha initial alpha release.

## 1.12 legal stuff

### Legal Stuff

(c) 1999 Ralf Steines aka Hippie2000, FREeware, must not be sold, may be distributed as original archive by any medium, may be included in any UAE distribution, even commercial ones. PROVIDED "AS IS", NO WARRANTY OF ANY KIND, USE AT YOUR OWN RISK....

The fat version has an additional folder "3rdparty", wich contains some binaries from GNU or Freeware utilities downloaded from the following ← locations:

Geek Gadgets boot archive (gzip/ixemul.library)  
=> ftp://ftp.ninemoons.com/pub/geekgadgets/amiga/m68k/snapshots/980523/BOOT. ← lha

UnZip-5.32 (unzip/unzip.doc/COPYING)  
=> http://de.aminet.net/pub/aminet/util/arc/UnZip.lha

xDMS-1.3 (xdms/xdms.txt)  
=> http://de.aminet.net/pub/aminet/util/arc/xDMS.lha

All data in the 3rdparty folder is NOT the property of me, the author of uae- ← app.

Look at the copyright notices in each program's manual to find out more.

## 1.13 updates-feedback

### Updates-Feedback

If you don't read this doc online you should go to <http://metamonk.com/uae-app> ↔  
/ to  
find the latest version of UAE-App. (Current release frequency: once each 2 ↔  
weeks).  
It's impossible for me to test this program with all ports of UAE, so I need  
your feedback to make it work best. Email to [metamonk@yahoo.com](mailto:metamonk@yahoo.com) or use the ↔  
form below  
and provide at least your email and a message. Please use the form if you want  
to report bugs, and answer all questions about your system carefully then. ↔  
Thanks.

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