

RexxMasher

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REVISION HISTORY

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Chapter 1

RexxMasher

1.1 RexxMasher (RMS) Documentation Copyright © 1994 by Phil Horney and Ray Norrish.

REXXMASHER - THE ULTIMATE AREXX COMPRESSION AND SECURITY UTILITY!
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RexxMasher (RMS) Copyright © 1994 by Ray Norrish.  
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### 1.2 RMS REGISTRATION INFORMATION.

Thank you for trying RexxMasher! We have spent many hours making this the premier Arexx compression, optimization and encryption utility. Although we feel this program to be worth much more we are asking only the minimum fee for a fully licensed copy. If you think our program is worth registering then send in your registration fee per the following schedule:

Single home user: 10.00 pounds UK  
Corporate user  
(1 License per building): 29.00 pounds UK

Send Postal Money Order or Cash in U.K. Funds and a formal request for a registered copy to:

Ray Norrish  
5 Meadow Grove, Medowbank  
Winsford, CHESHIRE  
United Kingdom, CW7 1PQ

\* Check same address as in main program \*

Please remember to include your name, company name and mailing address. Upon Receipt and verification of funds we will mail you a fully working registered version of RexxMasher. Please allow for a reasonable delivery time based on your geographic location.

### 1.3 A BIT ABOUT THE AUTHOR.

#### A BIT ABOUT THE AUTHOR

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Ray was born at around 12:20pm in a very small bathroom in a restaurant in the northern part of West Sussex England in 1989. Thanks to the miracles of modern medicine combined with the enhanced learning speed derived from watching entirely too much late-night television Ray has rocketed through the last 5 years living a dog's life, as you might say, and now at the age of 40 has decided to do something constructive with his life which has, up until now, been of the most uninteresting and undoubtedly boring sort. In his brief stay on this planet Mr. Norrish has become severely addicted to Flintstones (tm) chewable vitamins, and has a tendency toward wearing women's under-garments. He thoroughly enjoys picking his nose when he thinks no one is looking in his direction and likes to wipe his "kill" in unusual places such as on public-telephone mouth-pieces or on the turning handles of streetside parking meters. Exactly one third of Ray's day is spent sleeping. The next third is spent sitting in front of his computer tapping out less-than-thrilling messages to fat, single women over 55 who have been married and divorced more than twice on a local BBS that caters to those sorts of sick, whacked-out kinds of people. The last third of Ray's oh-so-lively daily life is spent at the corner pub where he downs pint after pint of cheap brew in hopes of forgetting who he is and the fact that he is the oldest living virgin. Other than that he's a really nice guy.

1.4 A BIT ABOUT REXXMASHER

A BIT ABOUT REXXMASHER

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RMS is a new utility for optimizing, compressing and encrypting ARExx scripts. It is designed to be very easy to use via a GUI interface and will reduce the size of your ARExx scripts while optimizing it and password-encrypting it. The average size reduction is 50% and the optimized ARExx will run faster than regular arexx while being unalterable by the end user.

WHY? - We wanted a way to make arexx scripts run faster while making them resistant to tapering and alteration by the end user, and we wanted a program whose output was self-contained - no libraries involved - and could be freely distributable to anyone. Until now the only product on the market that sped up Arexx was the REXXPLUS COMPILER (tm) by the Dineen Edwards Group, Inc. which though being a nice utility in and of itself had a few shortcomings, namely: The resulting compiled Arexx was approximately 600% larger than the source arexx (i.e. a 10k arexx script

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wound up being 60k in RexxPlus compiled format,) and it was not freely distributable in compiled format except to other Registered owners of the RexxPlus compiler system. The final output file of RMS is 100% self contained. Nothing else is needed to run the compiled arexx other than arexx itself. Some applications that run arexx scripts as "doors" may need an optional custom startup script. The custom startup script included in this package is for the Ami-Express BBS program.

## 1.5 INSTALLING REXXMASHER

### INSTALLING REXXMASHER

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Installing RexxMasher is as simple as copying the RexxMasher utility to your C: or other assigned directory. You also need to copy your RMS.KEY file into your L: directory. That's it! Now you can run it from a CLI or from the Workbench. Just follow the requesters.

1.6 REXXMASHER FEATURES

REXXMASHER FEATURES

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RexxMasher has many features that make it the best (only?) utility on the market to optimize, compress and encrypt your arexx scripts.

FULL GUI  
OPTIMIZATION  
COMPRESSION  
ENCRYPTION  
DECRYPTION

## 1.7 FULL GRAPHICAL USER INTERFACE (GUI)

FULL GRAPHICAL USER INTERFACE (GUI) - RexxMasher is equipped with a full GUI interface (Registered only) that makes it a snap to use. All you need to know is how to point and click!

FEATURES MENU

## 1.8 OPTIMIZATION

OPTIMIZATION - RexxMasher optimizes your arexx scripts by removing all the comment lines, blank lines, extra blank spaces (indents) and placing the entire script onto one line. Since Arexx is what is called a LINE level

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language placing the entire script on one line can have a dramatic increase in speed over the regular script.

FEATURES MENU

## 1.9 COMPRESSION

COMPRESSION - RexxMasher uses a built in compression algorithm to compress your script by 50% or more on average and you can select the compression depth to suit your needs from no compression to super compression!

FEATURES MENU

## 1.10 ENCRYPTION

ENCRYPTION - RexxMasher uses a key encryption method to make your arexx scripts tamper-resistant. You select the key without which the script cannot be decrypted.

FEATURES MENU

## 1.11 DECRYPTION

DECRYPTION AND RESOURCING - RexxMasher has the ability to decrypt its own files (provided you have the key,) and will output the original arexx script to the designated path and filename so that you can modify it. (again, registered versions only)

FEATURES MENU

## 1.12 USING REXXMASHER

USING REXXMASHER

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RMS is a snap to use. Just start it from the Workbench or a CLI and select the source arexx script, compression depth, password for encryption and a destination file and it does the rest, there really is nothing to it! RMSed files that do not call a port can be started from Workbench or CLI and others (like Ami-Express arexx doors) may need a custom arexx startup script like the one supplied specifically for Ami-Express. You need no external libraries to use an RMSed script, you need only have Arexx installed and operational.

1.13 USING RMS SCRIPTS WITH AMI-EXPRESS BBS

USING RMS SCRIPTS WITH AMI-EXPRESS BBS
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The supplied startup script 'Ami-Express.rexx' should be placed in your BBS:UTILS/ directory. This short arexx script starts a particular RMS program based on information about your BBS commands which are stored in the file S:RMS.CONFIG. This config file should contain the name and full path/filename of the RMS utilities it will be running.

## 1.14 THE RMS CONFIG FILE

THE RMS CONFIG FILE  
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EXAMPLE CONFIG:

```
-----X8 CUT HERE 8X-----
WHO DOORS:WHO/WHO.RMS
AX DOORS:AXEDIT/AXEDIT.RMS
UPDATE DOORS:UPDATE/UPDATE.RMS
-----X8 CUT HERE 8X-----
```

In this sample config the first word is the command name. The command name is the same as the name of the icon in your BBS:COMMANDS/BBSCMD/ drawer. Lets say you have a command called 'WHO' in your BBSCMD drawer. There is an icon in the BBSCMD drawer called 'WHO' and it contains the path of the old who door. You would go into the icon and change the path from 'PATH=DOORS:WHO/WHO.AREXX' to 'PATH=BBS:UTILS/RMS.START' and leave all the other information intact. Remember, this is for RMS arexx doors only and will not work for normal arexx doors. Next you should edit the S:RMS.CONFIG file by adding the line 'WHO DOORS:WHO/WHO.RMS'. The 'WHO' is the name of the ICON that you just edited and 'DOORS:WHO/WHO.RMS' is the full path and name of the new RMSed Who door you are going to use. When a user enters 'WHO' on the command line Ami-Express runs the RMS.START script which gets the information from /X on what door you are trying to run. It then scans the config file for a match and if one is found it initiates all of the arexx startup for /X and launches the RMSed WHO door! The nice thing about using a config file for your RMSed doors is that you need not edit the startup script, only the config file to point to the proper script for each command. This means that you can use the same information in every BBSCMD icon that is going to run an RMSed script, you just need to change the command name!

1.15 RMS QUICK-INDEX.

RMS QUICK INDEX
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ENCRYPTION  
 DECRYPTION  
 COMPRESSION  
 OPTIMIZATION

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