

MountRemHD

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REVISION HISTORY

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Contents

1	MountRemHD	1
1.1	MountRemHD 1.0 ©1997 Svend Daugaard Pedersen - Guide summary	1
1.2	MountRemHD copyright	1
1.3	NO warranty for MountRemHD	1
1.4	MountRemHD distribution	2
1.5	MountRemHD requirements	2
1.6	Introduction to MountRemHD	2
1.7	Quick Installation	2
1.8	Preparing a new Disk	3
1.9	Mount File	3
1.10	Using MountRemHD	4
1.11	Insert and Remove Scripts	4
1.12	Using AddGlobalPath and RemGlobalPath	5
1.13	MountRemHD author	6
1.14	MountRemHD's author would like to thank...	6

Chapter 1

MountRemHD

1.1 MountRemHD 1.0 ©1997 Svend Daugaard Pedersen - Guide summary

MountRemHD 1.0 - Guide Summary - (18-May-97)

by Svend Daugaard Pedersen

Copyright
Distribution
Requirements
Introduction
Quick Installation
Preparing a new disk
Mount File
Using MountRemHD
Insert/Remove Scripts
Adding search Paths
Author's address
Warranty

1.2 MountRemHD copyright

MountRemHD - version 1.0 18-May-97

©1995-96 Svend Daugaard Pedersen

Compiled with SAS/C ® 6.57 and StormC ®

MountRemHD, as well as all the accompanying files, is ©1997 Svend Daugaard Pedersen. ↔

1.3 NO warranty for MountRemHD

NO WARRANTY

There is no warranty for this software package. Although the author has tried to prevent errors, he can't guarantee that the software package described in this document is 100% reliable. You are therefore using this material at your own risk. The author cannot be made responsible for any damage which is caused by using this software package.

1.4 MountRemHD distribution

DISTRIBUTION

This software package is freely distributable. It may be put on any media which is used for the distribution of free software, like Public Domain disk collections, CDROMs, FTP servers or bulletin board systems.

In order to ensure the integrity of this software package, distributors should use the complete original distribution.

1.5 MountRemHD requirements

REQUIREMENTS

MountRemHD needs at least System 2.04 to run, and has been developed and tested with KS 40.68 and WB 40.42. It should work with other versions as well.

1.6 Introduction to MountRemHD

INTRODUCTION

MountRemHD is a utility that makes it possible to use removable hard disks of different sizes in a SyQuest EZ Flyer disk drive. In addition script files are automatically executed when disks are inserted or removed.

Also useful for owners of EZ135 (and may be owners of other drives).

To be able to use programs that require search paths two small utilities AddGlobalPath and RemGlobalPath has been included in the archive. They are designed to be used in the the script files so that such search paths can be added and removed when disks are inserted and removed.

1.7 Quick Installation

Quick Installation

Edit the mount files RHD0 and RHD1 (only small modifications is necessary) and copy them to DEVS:..

Copy MountRemHD to WBStartup.

Copy MountRemHD.info to WBStartup and remove the paranthesis around the tool types in this info-file.

Copy AddGlobalPath and RemGlobalPath to C: (or another place).

Reboot or just start MountRemHD by double clicking on its icon.

1.8 Preparing a new Disk

Preparing a new Disk

Put a new disk into the drive, start HDtoolBox and select the drive.

Then press Change Drive Type to define parameters.

Next press Partition Drive and remove any extra partitions (use only one partition!). Then select Advanced Options and press Change... to unselect Automount this partition.

Press Ok twice and press Save Changes to Drive.

Finally press Exit to leave the program.

Format the disk.

1.9 Mount File

Mount Files

A typical mount file for a media to SyQuest EZ looks

```
/* EZ 135Mb drev */  
  
Unit = 4  
Device = scsi.device  
Flags = 0  
Surfaces = 1  
BlocksPerTrack = 96      /* 132 for 230Mb */  
Reserved = 2  
Interleave = 0  
LowCyl = 2  
HighCyl = 2729           /* 3412 for 230Mb */
```

```
Buffers = 64
BufMemType = 0
MaxTransfer = 0xffffffff
Mask = 0x7fffffff
DosType = 0x444f5303
Activate = 0
```

Normally only the Unit and Devive fields may need changes.

1.10 Using MountRemHD

Using MountRemHD

The program MountRemHD may be started from the shell using the run command. The name of one or several mount files must be given as parameter(s).

Ex.:

```
run MountRemHD RHD0 RHD1
```

If the files RHD0 and RHD1 are not placed in the DEVS: directory a complete path must be given.

If started from WB the name of the mount files must be put into the tool types of the icon. One file name in each.

The program is running in back ground waiting for a disk to be inserted or removed. When this happens the diskchange command is executed to inform the disk handler about this. Then the insert script file or the remove script file is executed (if present on the disk).

The first time a disk of a given size is inserted, the device is mounted by executing the mount command with a mount file as parameter.

If the drive is turned off at startup (external drives) and later turned on, the program will detect this (if it fails try to remove the disk and insert it again).

The best place to put the program is the WBStartup drawer.

See also Quick Installation.

1.11 Insert and Remove Scripts

Insert and Remove Scripts

Script files with the names Insert.Script and Remove.Script placed in the root of a disk are executed when the disk is inserted and removed (when the disk is inserted the Remove.Script is copied to T:).

These scripts are typically used to add assigns when a disk is inserted and remove them again when the disk is removed again.

Example: After the installation of GoldED assign commands like the following are added to your user-startup:

```
ASSIGN >NIL: GOLDED: Disk:GoldED
ASSIGN >NIL: HISPEED: GOLDED:TOOLS/HISPEED
```

If the installation is done on a removable disk, make an insert script containing these two commands (and remove them from the user-startup) and a remove script with the commands

```
ASSIGN >NIL: GOLDED: REMOVE
ASSIGN >NIL: HISPEED: REMOVE
```

Some programs need a search path to be set up.

Example: If you want to place your SAS/C on a removable disk, the insert script should look something like:

```
; Make assign for SAS/C

assign sc: Develop:sc
assign lib: sc:lib
assign include: sc:include
assign cxxinclude: sc:cxxinclude
AddGlobalPath sc:c

copy >NIL: sc:env/#? env:sc
```

and the remove script like

```
; Make un-assign for SAS/C

RemGlobalPath sc:c
assign sc: REMOVE
assign lib: REMOVE
assign include: REMOVE
assign cxxinclude: REMOVE
```

The programs AddGlobalPath and RemGlobalPath are part of the archive.

1.12 Using AddGlobalPath and RemGlobalPath

AddGlobalPath and RemGlobalPath

Some programs need a search path to be set up. This causes some problems. You can't use the path command, since this path will not be global. In stead you must use assign C: yourpath ADD, and later the command assign C: yourpath REMOVE to remove the search path again.

But unfortunately this last command will not work in a remove script. The system requires that the disk is present when the command is executed!

The two utilities AddGlobalPath and RemGlobalPath can be used in stead of these commands to solve this problem.

The command formats are

```
AddGlobalPath path [path2 path3 ... ]
```

```
RemGlobalPath path [path2 path3 ... ]
```

The paths must be spelled in exactly the same way in the two commands since the assignment to be removed is found by comparing ascii strings.

As an example of using the utilities see Insert and Remove Scripts.

AddGlobalPath and RemGlobalPath manipulates internal lists in AmigaDOS, so they are not guaranteed to be 100% safe to use. But they have been used by the auther for some time without problem.

1.13 MountRemHD author

Send any suggestion, bug report or compliment :-) to:

Svend Daugaard Pedersen
Hoffmeyersvej 17
DK-2000 Frederiksberg
Denmark

Email: sdp@dk-online.dk

1.14 MountRemHD's author would like to thank...

Amiga	For being the best platform to 'work' on. And still alive in spite of some sad facts.
SAS/C ®	The compiler I have used for years.
StormC ®	A C/C++ compiler with an excellent development environment ↔ , but still (in ver. 2) with some annoying bugs.
