

Device

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COLLABORATORS

	<i>TITLE :</i> Device		
<i>ACTION</i>	<i>NAME</i>	<i>DATE</i>	<i>SIGNATURE</i>
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REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

1	Device	1
1.1	DeviceGuide v1.0	1
1.2	introduction	2
1.3	explanation	2
1.4	tutor	3
1.5	future	3
1.6	legal stuff	3
1.7	disclaimer	3
1.8	copyright	4
1.9	distribution	4
1.10	credits	4
1.11	history	5
1.12	audio.device	5
1.13	baudbandit.device	5
1.14	clipboard.device	5
1.15	compressdisk.device	5
1.16	console.device	6
1.17	fmsdisk.device	6
1.18	gameport.device	6
1.19	gcrdisk.device	7
1.20	gvpscsi.device	7
1.21	hackdisk.device	7
1.22	input.device	7
1.23	ivs_scsi.device	8
1.24	keyboard.device	8
1.25	mega19t.device	8
1.26	mfm.device	8
1.27	narrator.device	8
1.28	nullmodem.device	9
1.29	parallel.device	9

1.30	parnet.device	9
1.31	printer.device	9
1.32	ramdrive.device	10
1.33	scala.device	10
1.34	scsi.device	10
1.35	serial.device	10
1.36	static.device	10
1.37	timer.device	11
1.38	trackdisk.device	11
1.39	index	11

Chapter 1

Device

1.1 DeviceGuide v1.0

Table of Contents:

Introduction	
Explanation	Legal Stuff
Tutor	
Future	History

Devices:

Audio.device	(37.10)
BaudBandit.device	(1.4c)
Clipboard.device	(38.8)
CompressDisk.device	(37.25)
Console.device	(37.157)
FMSdisk.device	(1.0)
GamePort.device	(37.12)
GCRDisk.device	(1.0)
GVPSCSI.device	(4.13)
HackDisk.device	(2.02)
Input.device	(37.12)
IVS SCSI.device	(1.3)
Keyboard.device	(37.12)
Megal9T.device	(1.0)
MFM.device	(38.5)
Narrator.device	(37.7)
NullModem.device	(2.0)
Parallel.device	(37.1)

ParNet.device	(2.4)
Printer.device	(38.11)
RAMDrive.device	(37.23)
Scala.device	
SCSI.device	
Serial.device	(37.4)
Static.device	(2.1)
Timer.device	(37.128)
TrackDisk.device	(37.10)

1.2 introduction

Introduction

I made this Guide as a follow-up on another project of mine, called LibraryGuide.

Nearly finishing the LibraryGuide, I found out that a lot of non-programmers/just-for-a-hoppy/home-fun users, is really insterested in knowing what it actually is that they can find in their DEVS:, L: and LIBS:. Including myself :-)

So I decided to make a DeviceGuide and a HandlerGuide, to complete my work.

This mean that the serie now consist of the LibraryGuide, which started it all, a HandlerGuide, and finally this DeviceGuide, which you are looking at now.

Hope you can use it.

Dan Elgaard

1.3 explanation

Explanation

DEVS is a drawer on WorkBench used to store Device files.

These are typically used to control various pieces of HardWare, but are otherwise fairly similar to Libraries.

Like the Libraries, they are there to save the programmers writing extra code.

More importantly, they let different programs access the same HardWare, without each program having its own set of driver routines.

The most common complaint that new users come up with, is that a program will not print out. This can be due to not choosing the right PrinterDriver, but if the Amiga cannot find the Printer.device file in the DEVS-drawer, no printing can be achieved.

Some Devices are extremely odd and limited.

The most obscure are the Scala.device , found only on that program. As well as being huge (over 100Kb), it usually only work with one version of Scala. It don't even control HardWare!

This sort of Device file is very much the exception to the rule that DeviceDrivers are for controlling HardWare.

1.4 tutor

Tutor

This Guide is really simple to use.

If you have a Device-file and want to see if you have the latest available version, just find the Device-file in the device-list and check the version-number, which is written just to the right of the DeviceDriver-file.

If you want to find out more about a Device, just click on it's name, and you will be given informations about what it does/can/is used for, where to get it, who wrote it, etc, etc, etc. That is, if I have been able to find out, obvious.

I have tried to make as many cross-references as possible, so it should be real easy to find your way around the Guide.

1.5 future

Future

I will continue to update this Guide, simply because it is in my own interest to know, but I will not release it just because there have been a minor change to one or two of the Devices.

Every now and then when the Guide has gone through some updates, I will release it.

If you have some contribution to this Guide, I would like to hear from you. That could be newer versions, new Devices, error corrections, informations yet unknown, etc, etc, etc.

I am also working on a LibraryGuide and a HandlerGuide too, so if you have anything of interest here, I like to hear from you too.

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Denmark

1.6 legal stuff

Legal Stuff

Disclaimer

Copyright

Distribution

1.7 disclaimer

Disclaimer

This Guide is provided 'as is' without warranty of any kind, either expressed or implied, including, but not limited to, the implied warranty of the specific Device itself.

Though every care has been taken to make this Guide bug/error-free, the entire risk as to the results, reliability and performance of using any Device based on the informations in this Guide is assumed by you.

1.8 copyright

Copyright

This Guide is 'FreeWare'.

It can be freely copied and distributed for non-commercial purposes, provided that no file is added to or removed from the distribution archive and no charge, beside a nominal fee, is requested.

Nevertheless the Guide remains COPYRIGHT of the author. you cannot in anyway modify the Guide, the documentation and every other file found in the distribution archive except where explicitly allowed.

Furthermore you cannot embed the Guide in any other SoftWare, without the written permission of the author.

1.9 distribution

Distribution

Compressing is allowed for personal use, but not for distribution. LhArc'ing in an archival form is explicitly allowed for distribution convenience.

Furthermore you cannot embed the Guide in any other SoftWare, without the written permission of the author.

1.10 credits

Credits

Here's some credits, to the ones that have helped me making this "DeviceGuide" possible.

The Major-Credit goes to Commodore for giving us the Amiga.

1.11 history

History

Version

1.0 First Public release.

1.12 audio.device

Audio.device v37.10

For controlling sound.

Comes with the System software.

Autor : Commodore Amiga.

1.13 baudbandit.device

BaudBandit.device v1.4c

A ShareWare replacement for the Serial.device which is much faster, even on a 68000 Amiga, and doesn't 'frezze' while on heavy duty :-)

SaarAG PD-Serie. Disk N\textdegree{} 517.

Autor : Christian Buchner.

1.14 clipboard.device

Clipboard.device v38.8

????

Part of the System software.

Autor : Commodore Amiga.

1.15 compressdisk.device

CompressDisk.device v37.25

Device for controlling part of a HardDisk, that automatic crunch and decrunch data as they are being saved and loaded.

This is an Exec-Device, similar in the way of operating to M. Dillon's

FMSdisk.device .

Like that, in fact, it allows you to create 'virtual' disks, whose tracks are saved on a file. Unlike FMSdisk.device , however, it uses a different file for each track, and compresses the tracks.

This allows you to create 'virtual' partitions on your HardDisk, usable like normal partitions, but having the great advantage that every file that you write in them is automatically compressed (and obviously, it is decompressed whenever you read it back).

Files stored on 'virtual' partitions can be rewritten (even partially), and applications can even Seek() into them, as with usual files.

SaarAG PD-Serie. Disk N\textdegree{} 567.

Autor : Antonio Schifano.

1.16 console.device

Console.device v37.157

????

Part of the System software.

Autor : Commodore Amiga.

1.17 fmsdisk.device

FMSdisk.device v1.0

A file based TrackDisk.device -simulator, useful for creating a floppy-like partition on your HardDisk (so you can diskcopy to a floppy) without actually having to create a special partition for it.

Also useful for testing new FileSystems and such.

Supports up to 32 units, with either the old FileSystem or the new fast FileSystem.

Fred Fish PD-Serie. Disk N\textdegree{} 294.
Includes source.

Autor : Matt Dillon.

1.18 gameport.device

GamePort.device v37.12

????

Part of the System software.

Autor : Commodore Amiga.

1.19 gcrdisk.device

```
GCRDisk.device    v1.0
-----
????
```

There is also a Device called Mega19T.device , and it seems to be the same Device as this, but I havn't been able to find out.
Anyone out there who can help !?!

1.20 gvp SCSI.device

```
GVPSCSI.device    v4.13
-----
```

For controlling SCSI harddisks supplied from GVP.

Comes with any GVP SCSI harddisk.
Well, it came with my GVP A530 anyway :-)

Autor : Ralph Babel.

1.21 hackdisk.device

```
HackDisk.device    v2.02
-----
```

A complete replacement for TrackDisk.device featuring a verify option and better performance.

HackDisk.device is supplied as an OS module that may be RAM-Kick'ed or placed directly in the KickStart ROM.

Includes support for 150RPM HD floppy-drives and untested support for 5.25 inch drives.

SaarAG PD-Serie. Disk N\textdegree{} 572.
Source in 'Assembly' included.

Author : Dan Babcock.

1.22 input.device

```
Input.device       v37.12
-----
????
```

Part of the System software.

Autor : Commodore Amiga.

1.23 ivs_scsi.device

```
IVS SCSI.device    v1.3
-----
????
```

1.24 keyboard.device

```
Keyboard.device    v37.12
-----
????

Part of the System software.

Autor : Commodore Amiga.
```

1.25 mega19t.device

```
Mega19T.device     v1.0
-----
????
```

There is also a Device called GCRDisk.device , and it seems to be the same Device as this, but I havn't been able to find out.
Anyone out there who can help !?!

1.26 mfm.device

```
MFM.device         v38.5
-----

New Device in support of "CrossDOS".
Allows Amiga floppy drives to read PC-format disk.
Interface is similar to TrackDisk.device .

Part of the System software.

Autor : Commodore Amiga.
```

1.27 narrator.device

```
Narrator.device    v37.7
-----

Device for speech.

Part of the System software.

Autor : Commodore Amiga.
```

1.28 nullmodem.device

NullModem.device v2.0

A SoftWare Device that imitates two modems and a phone line, on one machine.

Written as a developer-tool to be able to play around while testing communication SoftWare/HardWare without having to spend any money on expensive phone calls.

Can be used for testing various other programs.

Fred Fish PD-Serie. Disk N\textdegree{} 905.

Author : Iain Hibbert.

1.29 parallel.device

Parallel.device v37.1

For controlling HardWare connected to the parallel port.

Part of the System software.

Autor : Commodore Amiga.

1.30 parnet.device

ParNet.device v2.4

The SoftWare Distillery's NET: FileSystem using Matt Dillon's parallel port code.

Using a special DB25 cable, two Amigas can be connected via the parallel port.

One Amiga can mount the other as a Device and Read/Write the files as if they were local.

Fred Fish PD-Serie. Disk N\textdegree{} 400.

Authors: Doug Walker, John Toebes & Matt Dillon.

1.31 printer.device

Printer.device v38.11

Device for printer Input/Output.

Part of the System software.

Autor : Commodore Amiga.

1.32 ramdrive.device

```
RAMDrive.device    v37.23
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```

Controls the RAD: disk.

Part of the System software.

Autor : Commodore Amiga.

1.33 scala.device

```
Scala.device
-----
```

Well, can't tell you much here since I don't have the Scala Package.
But I do know that each version of Scala cannot work with another
version of the Scala.device than it's own!

Comes with the Scala MultiMedia Package.

1.34 scsi.device

```
SCSI.device
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```

????

1.35 serial.device

```
Serial.device    v37.4
-----
```

For controlling HardWare conected to the Serial port.

Part of the System software.

Autor : Commodore Amiga.

1.36 static.device

```
Static.device    v2.1
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```

Device for a DOS-unit called StatRAM or SD0:.

This is a very fast recoverable RAM drive, like RAD:, that takes
advantage of FFS under WB2 or FFS International under WB2.1 or 3.

This work is based on ASDG's VD0:.

ASDG-RAM has been reliable for many years since it was placed in PD.
However it has always been slow because it uses OFS, or Old FileSystem.
On an accelerated machine, SD0: is up to 7 times faster, and averages

5 times faster than the original VD0:.
It's also 4 to 5 times faster than RRD.
It maintains the remarkable recoverability of the original VD0:.
It survives the deepest re-boot, even the ColdReboot of re-kicking a KickStart-file.
Has been totally re-written to handle any DOS FileSystem, be named what you like and give back memory from deleted files instantly.

Fred Fish PD-Serie. Disk N\textdegree{} 915.

Authors: Richard Waspe & Nicola Salmoria.

1.37 timer.device

```
Timer.device    v37.128
-----
????

Part of the System software.

Autor : Commodore Amiga.
```

1.38 trackdisk.device

```
TrackDisk.device    v37.10
-----

For controlling Floppy disk drives connected to the Amiga.

Part of the System software.

Autor : Commodore Amiga.
```

1.39 index

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Index
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Copyright
Disclaimer
Distribution

Explanation

Future

History

Introduction

Legal Stuff
```

Tutor