

Handlers

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COLLABORATORS

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Contents

1	Handlers	1
1.1	HandlerGuide v1.0	1
1.2	introduction	2
1.3	explanation	2
1.4	tutor	3
1.5	future	4
1.6	legal stuff	4
1.7	disclaimer	4
1.8	copyright	5
1.9	distribution	5
1.10	credits	5
1.11	history	5
1.12	aux-handler	6
1.13	calc-handler	6
1.14	cdrom-handler	6
1.15	epu<x>.handler	6
1.16	fifo-handler	7
1.17	flat-handler	7
1.18	jm-handler	7
1.19	keymacro-handler	8
1.20	kingcon-handler	8
1.21	lh-handler	8
1.22	msclock-handler	8
1.23	netpnet-handler	9
1.24	newcon-handler	9
1.25	nl-handler	9
1.26	null-handler	9
1.27	pipe-handler	10
1.28	port-handler	10
1.29	powersnap-handler	10

1.30	queue-handler	10
1.31	ram-handler	11
1.32	rfp-handler	11
1.33	speak-handler	11
1.34	tape-handler	11
1.35	textplus-handler	12
1.36	toolsdaemon-handler	12
1.37	wbstart-handler	12
1.38	xfh-handler	12
1.39	xpk-handler	13
1.40	index	13

Chapter 1

Handlers

1.1 HandlerGuide v1.0

Table of Contents:

Introduction	
Explanation	Legal Stuff
Tutor	
Future	History

Handlers:

AUX-Handler	
Calc-Handler	
CDROM-Handler	(1.2)
EPU<x>.Handler	
FIFO-Handler	
Flat-Handler	(1.3)
JM-Handler	
KeyMacro-Handler	
KingCON-Handler	(1.0)
Lh-Handler	(1.5)
MSClock-Handler	
NetPNet-Handler	
NewCON-Handler	
NL-Handler	
NULL-Handler	
PIPE-Handler	
Port-Handler	
PowerSnap-Handler	(37.295)
Queue-Handler	(37.12)

RAM-Handler	
RFP-Handler	(1.0)
Speak-Handler	(37.4)
Tape-Handler	
TextPlus-Handler	
ToolsDaemon-Handler	
WBStart-Handler	(1.3)
XFH-Handler	(1.12)
XPk-Handler	(1.0)

1.2 introduction

Introduction

This Guide is the last in my trilogy of GuideWorks. The other two being the "DeviceGuide" and the "LibraryGuide".

As with the other two this is made to keep track of the many system files that exist for the Amiga, this time the Handlers.

In the case of Handlers, it is fairly easy to keep track of them since there is not so very many of them, like the Libraries, and each of them normally only support one program or one Device.

This Guide is made just to be sure that I'm not suddenly having my Handler-Directory (L:) filled with lots of Handlers I'm not using or can use.

Dan Elgaard

1.3 explanation

Explanation

L: is a directory on Workbench and many other disks. It is used mainly to store Handlers.

Handlers is somewhat of a Device-driver, but with some differences:

- 1) Device-drivers normally support HardWare, Handlers normally support SoftWare.
- 2) Handlers also normally is the one that actually make the connection between a program/AmigaDOS and a Device-driver itself.
- 3) Device-drivers can normally be used by many program, a Handler can normally be used by a single program/unit only.

Say we want to Mount the AmigaDOS unit SPEAK:, which as far as AmigaDOS concern is a hardware unit...

-AmigaDOS is software, so if we look at rule N\textdegree{} 1 it needs a Handler ↔
.

-SPEAK: is hardware, so follow the same rule it needs a Device.

-So far we have: AmigaDOS -> ????? Handler -> ???????? Device -> SPEAK:

-The Device-driver for SPEAK: is Narrator.device.

-How do I know that ? Well, I just look in the DeviceGuide :-)

-Now we have: AmigaDOS -> ????? Handler -> Narrator.device -> SPEAK:

-If we look at rule N\textdegree{} 2, we need something to make the link between AmigaDOS and the Device-driver, namely a Handler! Ta Daa!

-What Handler do we need ?

-Look at rule N\textdegree{} 3: a Handler normally only work with one special unit.

-What unique Handler do we need for the SPEAK: unit ?

-Fortunately Handlers normaly are named after their purpose. So in this case it must be the SPEAK-handler .

-This gives: AmigaDOS -> SPEAK-Handler -> Narrator.device -> SPEAK:

-BINGO! Here we have it! The Handler in a nut-shell! Normally :-)

-There is however another way to find out, which Handler we need!

-????

-Yes, just use this HandlerGuide :-)

Another example are:

AmigaDOS -> AUX-Handler -> Serial.device -> AUX:

Or what about:

"KeyMacro" -> KeyMacro-Handler -> Keyboard.device

And a little special one:

AmigaDOS -> PIPE-Handler -> AmigaDOS

Remember, a Handler supports software and AmigaDOS is software.

1.4 tutor

Tutor

This Guide is really simple to use.
If you have a Handler-file and want to see if you have the latest version, just find the Handler-file in the Handler-list and check

the version-number, which is written just to the right of the Handler.

If you want to find out more about a Handler, 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 about the various Handlers, but I will not release it just because there have been a minor change to one or two of the Handlers.

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 Handlers, error corrections, informations yet unknown, etc, etc, etc.

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

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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 Handler 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 Handler based on the informations in this Guide is assumed by you.

1.8 copyright

Copyright

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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 "HandlerGuide" possible.

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

1.11 history

History

Version

1.0 First Public release.

1.12 aux-handler

AUX-Handler

AUX: is an 'AmigaDOS' unit very much like SER:, but AUX: doesn't have a buffer.

AUX: need to be mounted.

This Handler connect 'AmigaDOS' and Serial.device when mounting AUX:. All settings made to SER: (i.e. in Perfs) also have effect on AUX:.

Part of the System software.

Autor : Commodore Amiga.

1.13 calc-handler

Calc-Handler

????

1.14 cdrom-handler

CDROM-Handler v1.2

????

1.15 epu<x>.handler

EPU<x>.Handler

3 Handlers for the "EPU" compressed-data read-program.

"EPU" is a program like "Stacker" or "XPK" that allows applications to access compressed data from 'AmigaDOS' Devices without knowing that the data is compressed, and automatically compresses new data.

The file size is not limited by memory and the settings of the Handlers can be changed at any time.

The Handlers are numbered 1-3 :

- EPU1.Handler
- EPU2.Handler
- EPU3.Handler

Fred Fish PD-Serie. Disk N\textdegree{} 858.

Author : Jaroslav Mechacek.

1.16 fifo-handler

FIFO-Handler

This Handler support the FIFO: device.

FIFO: is like PIPE: but is based on FIFO.library rather than its own implementation.

Fred Fish PD-Serie. Disk N\textdegree{} 448.

Autor : Matt Dillon.

1.17 flat-handler

Flat-Handler v1.3

A filling system Handler which implements block-mapped filling devices such as available under UNIX.

Read and write calls are mapped to low-level system Input/Output operations which allow to treat devices such as DF0:, DH0:, and RAD: as big data files.

These 'virtual' files can be copied, read, and written just like any standard 'AmigaDOS' file.

It is even possible to copy a hole disk with the CLI's "Copy" command or to archive disks with "LhArc" and the like.

Fred Fish PD-Serie. Disk N\textdegree{} 535.

Source in C included.

Autor : Olaf Barthel.

1.18 jm-handler

JM-Handler

Support Handler for the "Job Manager" program.

"Job Manager" is a utility which extends the 'AmigaDOS' multitasking environment by providing features such as: allocation of CPU cycles in any ratio to multiple CPU bound processes, default task priorities based on task name, task logging, system uptime reports, task CPU use and CPU % reports, task invocation times, and more.

"Job Manager" has very little impact on the system itself.

Requires AmigaDOS 2.04 or later.

Fred Fish PD-Serie. Disk N\textdegree{} 647.

Autor : Steve Koren.

1.19 keymacro-handler

KeyMacro-Handler

Handler to connect the "KeyMacro" program with the Keyboard.device.

"KeyMacro" is a keyboard macro program, configurable via a text file, that also supports hotkey program execution.

You can map up to eight functions to each key, including keys such as cursor-keys, the return key, etc.

Fred Fish PD-Serie. Disk N\textdegree{} 535.

Includes source in 'C' and 'Assembly' language.

Autor : Olaf 'Olsen' Barthel.

1.20 kingcon-handler

KingCON-Handler v1.0

Connect the Keyboard.device with "KingCON", which is a very powerful and clever replacement for the new CON: under System 2.xx+, that's still not good enough (at least not compared to KingCON, which is great...
I use it all the time...).

Autor : David Larsson.

1.21 lh-handler

Lh-Handler v1.5

This is a Program!!!!!! NOT a Handler!!!!!!

The "Lh-Handler"-program is a program that supplies the "LhA"-archiver, with a Graphic-User-Interface and can be started from 'CLI' as well as WorkBench.

SaarAG PD-Serie. Disk N\textdegree{} 483.

Autor : Frank Fenn.

1.22 msclock-handler

```
MSClock-Handler
-----
```

Support Handler for the "MSClock" utility.

"MSClock" is a clock utility, which displays Memory, date, time and online time (if connected to another computer via modem) in the titlebar of the WorkBench screen.

Fred Fish PD-Serie. Disk N\textdegree{} 484.

Autor : Martin Steppler.

1.23 netpnet-handler

```
NetPNet-Handler
-----
```

Handler for ParNET ????

1.24 newcon-handler

```
NewCON-Handler
-----
```

Handler to connect Shell under 'AmigaDOS' v1.3 with Keyboard.device and to connect Shell with 'AmigaDOS' itself.

Only needed under 'AmigaDOS' v1.3 since NewCON: is replaced completely with CON: with 'AmigaDOS' v2.xx+.

Part of System software 1.3.

Autor : Commodore Amiga.

1.25 nl-handler

```
NL-Handler
-----
```

????

1.26 null-handler

```
NULL-Handler
-----
```

Handles the PD replacement for NIL: called NULL:

Fred Fish PD-Serie. Disk N\textdegree{} 188.

Autor : Gunnar Nordmark.

1.27 pipe-handler

```
PIPE-Handler
-----

Handler for the PIPE: unit which allows two tasks to exchange data.
PIPE: needs to mounted.
Under 'AmigaDOS' v2.xx+ this Handler no longer exists because its job
has been taken over by the new Queue-Handler .

Part of the System software v1.3.

Autor : Commodore Amiga.
```

1.28 port-handler

```
Port-Handler
-----

Handles the 'AmigaDOS' communication with the wolrld outside it, though
its ports.

Part of the System software.

Autor : Commodore Amiga.
```

1.29 powersnap-handler

```
PowerSnap-Handler    v37.295
-----

Connect the "PowerSnap"-commodity with Keyboard.device and CON:

"PowerSnap" is a utility that allows you to use the mouse to mark
characters anywhere on the screen, and then paste them somewhere else,
such as in another CLI or in a string gadget.

Fred Fish PD-Serie. Disk N\textdegree{} 781.

Autor : Nico Francois.
```

1.30 queue-handler

```
Queue-Handler    v37.12
-----

The new replacement for the old PIPE-Handler from AmigaDOS v1.3.
This handler also handles some other jobs as well.

Part of the System software v2.xx+.

Autor : Commodore Amiga.
```

1.31 ram-handler

```
RAM-Handler
-----

Connect 'AmigaDOS' with RAMDrive.device.
Also used for some other purposes.

Part of the System software.

Autor : Commodore Amiga.
```

1.32 rfp-handler

```
RFP-Handler    v1.0
-----

RFP-Handler provide character access to block devices.

RFP-Handler provides an interface between the Amiga DOS.library and a
TrackDisk.device-type block devices.
The Handler provides a Device interface similar to the /Dev/RFP0 type
Device interfaces commonly found on UNIX systems.
It supports reading, writing and seeking.

SaarAG PD-Serie. Disk N\textdegree{} 579.

Autor : Anders Hammarquist.
```

1.33 speak-handler

```
Speak-Handler    v37.4
-----

Handler that connects AmigaDOS and Narrator.device for the SPEAK: unit.

Part of the System software.

Autor : Commodore Amiga.
```

1.34 tape-handler

```
Tape-Handler
-----

A SCSI-Direct Tape Handler that implements fully asynchronous double-
buffered Read and Write operations.
If you have Disk/Tape drives which support reselection, then the
Handler will be able to operate on the Tape concurrently with Disk
accesses, meaning that an archiver, such as "TAR", will not freeze
while Tape operations are in progress.

Fred Fish PD-Serie. Disk N\textdegree{} 791.
```

Autor : Matthew Dillon.

1.35 textplus-handler

TextPlus-Handler

Support Handler for the "TextPlus" frontend word processor.

Fred Fish PD-Serie. Disk N\textdegree{} 700.

Autor : Martin Steppler.

1.36 toolsdaemon-handler

ToolsDaemon-Handler

Support Handler for the "ToolsDaemon" utility.

"ToolsDaemon" allows you to create your own Pull-Down-Menus on the WorkBench screen.

Fred Fish PD-Serie.

Autor : Nico Francois. (Yes, Nico is his first name)

1.37 wbstart-handler

WBStart-Handler v1.3

"WBStart" is a package to emulate the WorkBench startup procedure, by loading a program, creating a process for it, and then sending it a WB startup message.

This is the Handler, which does the starting of the processes for you and then waits for the startup reply messages.

Fred Fish PD-Serie. Disk N\textdegree{} 896.

Autor : Stefan Becker.

1.38 xfh-handler

XFH-Handler v1.12

"XFH", when used with "XPK", makes it possible to store data in compressed format without this being visible to the user or to

application programs - "XFH" will make the compressed data appear like ordinary files.

"XFH" is implemented as an 'AmigaDOS' Device Handler. Like other Handlers, "XFH" must be mounted before it can be used. Unlike most other 'normal' Device Handlers, "XFH" needs additional information to function correctly. "XFH" provides 'options' which provide much more flexibility and which MUST be used if the Handler is to compress files automatically as they are written by applications.

SaarAG PD-Serie. Disk N\textdegree{} 555.

Autors : Kristian Nielsen & Matthias Scheler.

1.39 xpk-handler

XPk-Handler v1.0

The XPk-Handler is yet another Handler that, when used with "XPk", makes it possible to store data in compressed format without this being visible to the user or to application programs.

This one work very much like the XFH-Handler , and is also based on that Handler.

Which one of the Handlers to choose is just a matter of taste!

SaarAG PD-Serie. Disk N\textdegree{} 488.

Autor : Torsten Jürgeleit.

1.40 index

Index

Copyright
Disclaimer
Distribution

Explanation

Future

History

Introduction

Legal Stuff

Tutor