

DTU

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Chapter 1

DTU

1.1 RawDIC documentation (28th Jun.99)

DTU V0.9
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Disclaimer

About

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1.2 Disclaimer

DTU is written and copyright © 1999 by
John Selck

This program is freely distributable unless no changes
are made to the archive.

The author is not liable for any damage/problems/loss of data
this program might directly or indirectly cause.

1.3 About DTU

DTU ("Disk Transfer Utility") is a tool to transfer your 1541 disks to Amiga in a very fast and secure way. It is supposed to replace other similar utilities which lack speed and error handling.

Unlike some other transfer tools, DTU needs a C64 between the Amiga and the 1541. The reason for this is the higher transfer speed which can be reached with a C64. The C64 can use an absolute synchronous transfer with nearly no handshaking.

Look at these speed results:

Reading a D64 diskimage in 28 seconds.
Writing a D64 diskimage in 39 seconds.

None of the other transfer tools beats these values.

1.4 Requirements

An absolute must is ofcourse an Amiga, a 1541, a C64 and a Cable
.

You should own atleast a 68030 with 50MHz and FastrAM. It MIGHT work on slower configurations but I do not guarantee this.

Also you need to transfer the DTU server to a 1541 disk first. Since most people already use other tranfer tools I advice you to use these. If you absolutely have no idea how to get it down to c64, contact me...

1.5 The Parallel Cable

To connect your C64 to the Amiga, you need a parallel cable with following connections:

C64 Userport		Amiga Parallel Port	
PIN		PIN	
C PB0	-----	D0	2
D PB1	-----	D1	3
E PB2	-----	D2	4
F PB3	-----	D3	5
H PB4	-----	D4	6
J PB5	-----	D5	7
K PB6	-----	D6	8
L PB7	-----	D7	9
M PA2	-----	BSY	11
N GND	-----	GND	17

I strongly advice you to put a 100 Oomph resistor into each connection to avoid blown CIAs.

If you already own a PData cable, you may use that one.

1.6 Usage of DTU

DTU is controlled via command line.

Start the DTU server on the C64 first.

Syntax:

```
DTU {command} [{file}] [RETRIES={integer}]
```

Commands: R - Read a D64 image
W - Write a D64 image
\$ - Show Directory (on C64)

Filenames: Optional, if not given but needed, an ASL requester will be opened.

RETRIES: Declares how many times the DTU shall reread a corrupted sector.

Example:

```
DTU R "Hindenburg.d64" RETRIES=200
```

1.7 Contact

E-Mail: graham@cruise.de

1.8 History

1.0 First release of DTU.
