HNet

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	TITLE : HNet		
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Contents

Chapter 1

HNet

1.1 HNet V1.0 Documentation

```
                                        Net Version 1.0
                    by
              Henrik Isaksson
                                         18 March 1996

   Introduction...


                 Features

                 Installation

                 Requirements

                 Limitations
                   The programs...


                 NChat
                         StrSnd

                 StartNet
                         StopNet

   The hardware...


                 3-Wire serial cable

                 7-Wire serial cable
                   Other topics...


                 Copyright & distribution

                 Program History

                 Credits & Thanks
```

Contacting the author

AmiNet
This documentation is not quite finished yet.

1.2 HNet V1.0: Features

Features

HNet is a network program used to connect two Amigas, like DNet, ProNet and so on...

I wrote this mainly because I couldn't get DNet to work too well over a 3-Wire serial cable. ProNet seems to crash everytime someting goes wrong.

Features:

* No crashes.

* Easy installation.

* Small.

* 32-Bit Checksum.

This program has been tested with:

* An Amiga 1200 with a Blizzard 1230 50 MHz.

* An Amiga 4000/030 33MHz

* A 7-Wire serial cable.

1.3 HNet V1.0: Installation

```
                Installation

Just double-click the install icon!

Or if you wat to do it the hard way:

   1. Create a directory somewhere on your harddrive.

   2. Make a assign to that directory called "HNT:" in your startup-sequence.

   3. Copy the files "
               NChat
               " and "
               EchoS
               ", from the bin directory, to HNT:.

   4. Copy the rest of the files in bin, and putthem somewhere in your path.

   5. Done!
```

1.4 HNet V1.0: EchoS

```
                EchoS

EchoS (EchoString) is a server that is started whenever a program on the
remote computer needs to display a textstring. This is started by the
"
                Exec
                " program when it is needed, and it will quit 100 seconds after ↩
                   the
last time it was used.
```

1.5 HNet V1.0: NChat

```
NChat

NChat (NetChat) is a utility to communicate (chat) with the operator of the
other computer. Simply type "NChat" in a CLI prompt to start it.

Function keys in NChat:

F1 - Send a BEEP.

F2 - Clear buffer.

F3 - Clear Screen.
```

1.6 HNet V1.0: Exec

```
                Exec

The Exec program is the part of HNet that executes commands sent from the
other computer. This is started by the "
                startnet
                " script.
```

1.7 HNet V1.0: StartNet

```
                StartNet

This script file should be located in the util directory, and is used to
start the network. If you get an error message telling you that the file is
not executable, do this:

1.Workbench:HNet> protect util/startnet +s

This will set the script flag, wich some archivers resets. If you don't do
this you will have to use Execute to run it.

The file runs "
                Main
                " and "
                Exec
                .
```

1.8 HNet V1.0: Main

```
                Main

This is the main network program that takes care of all the serial
communication, and sends the recieved data further to "
                Exec
                ".
```

1.9 HNet V1.0: Amiga

```
Back for the future!

Amiga is a registered trademark of Amiga Technologies Gmbh.
```

1.10 HNet V1.0: Blizzard

Power!!

Blizzard is a registered trademark of Phase 5.

1.11 HNet V1.0: DNet

DNet

DNet is written by Matt Dillon.

1.12 HNet V1.0: Software Failure

ProNet

ProNet is written by Michael Krause. Even if it crashes it might be worth testing.
You can find it on
AmiNet
(comm/net).

1.13 HNet V1.0: AmiNet

The latest version of HNet will always (hopefully) be aviable on AmiNet.

ftp.luth.se is the address to the swedish AmiNet site at Luleå Tekniska Högskola.

1.14 HNet V1.0: Requirements

What you need to run HNet:

* Two Amigas. (No network with one, just a Notwork!)

* A cable (serial).

* Amiga OS 2.0 or higher.
  Only tested with 3.0, but it should work...

1.15 HNet V1.0: Limitations

Things that don't work...

* No file transfer program

* No support for SANA2

* No settings program

The next release will have a settings editor and a file transfer tool.

1.16 HNet V1.0: Contacting the author

Send you comments, suggestions, bug reports, money, complains about
my bad english etc to:

henriki@pluggnet.se (preferred)

OR:

Henrik Isaksson
Garvarvägen 33
S-950 40 TÖRE
SWEDEN

1.17 HNet V1.0: History

History:

V1.0ß First release.

1.18 HNet V1.0: Copyright

Copyright and Distrubition

HNet is freely redistributable. Since HNet is free, it comes with NO
WARRANTIES. The author is not responsible for any loss of data or damage
arising from the use of HNet; the use takes all such responsibility.

No charges may be made for HNet, unless with the authors written permission.
Permission to distribute is expressly granted for Fred Fishs and AmiNets
disks.

Althogh HNet is Freeware, DONATIONS WOULD BE GLADLY ACCEPTED.

1.19 HNet V1.0: Credits

```
                Cretids & Thanks

HNet is written in C, and compiled with SAS/C 6.51.

Some parts of the package uses gtlayout.library by Olaf 'Olsen' Barthel.
(The author of Term)


Thanks to:

Matt Dillon and Michael Krause for their network (notwork? :-))
packages.
Stefan Burstroem (Burström?), Michael Fisher, Rüdiger Sopp and
Stefan Zivkovic for
                IBrowse
                .
David Ekholm for db. Nicola Salmoria for NewIcons.
Stefan Stuntz for MUI.
And all the rest that keep the
                Amiga
                 alive!
```

1.20 Version 1.0?

```
When will the full release be done?
```

1.21 HNet V1.0: 3-Wire cable

```
                3-Wire serial cable (nullmodem)

A 3-Wire serial cable could be used at low speeds, but a
                7-Wire
                 cable is
recommended, especially at speeds over 19200.

If you want to use a Three-Wire cable anyway, this is the way to make one:

What you need:

A cable with 3 wires.
Two D-SUB type connectors (25-pin, female).

How to connect:

COMPUTER 1:                             COMPUTER 2:
~~~~~~~~~~~                             ~~~~~~~~~~~
TXD 2---------------\ /----------------------2 TXD
                     X
RXD 3---------------/ \----------------------3 RXD
```

```
GND 7---------------------------------------7 GND

(here)                                      (there)
```

Explanation:

Connect pin 2 (here) to pin 3 (there), pin 3 (here) to pin 2 (here) and pin 7 (here) straight through to pin 7 (there).

The pin numbers are usually printed on the connectors.

To use this wire you must set "3-Wire" mode in the preferences editor.

1.22 HNet V1.0: 7-Wire cable

7-Wire serial cable (nullmodem)

This cable is done the same way as the 3-Wire cable, but with 4 additional wires.

How to connect:

```
COMPUTER 1:                             COMPUTER 2:
~~~~~~~~~~~                             ~~~~~~~~~~~
TXD 2---------------\ /----------------------2 TXD
                     X
RXD 3---------------/ \----------------------3 RXD

RTS 4---------------\ /----------------------4 RTS
                     X
CTS 5---------------/ \----------------------5 CTS

DSR 6---------------\ /----------------------6 DSR
                     X
DTR 20--------------/ \---------------------20 DTR

GND 7---------------------------------------7 GND
```

If you don’t understand, this then ask me.

If you want HNet to take advantage of the extra wires, you must set the "7-Wire" mode in the preferences program.

1.23 HNet V1.0: Settings

```
Settings editor

In the current release (1.0 beta) there is no settings editor.

The program uses these settings:

7-Wire mode
64000 baud
8 data bits
No stopbits
No parity
```