NetworkPC

COLLABORATORS

	TITLE : NetworkPC		
ACTION	*NAME*	*DATE*	*SIGNATURE*
WRITTEN BY		November 11, 2024	

REVISION HISTORY

NUMBER	DATE	DESCRIPTION	NAME

Contents

Chapter 1

NetworkPC

1.1 "

```
                    PC <--> AMIGA TRANSFERER

                        VERSION  3.8

                     USER DOCUMENTATION



        For users of old version of PC2Amiga


        About, requirements, future, legals

        How to install & run program

        Miscellaneous notes (not bugs)

        Tips, bugs, FAQ


        Author
```

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    About (Purpose)
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    Results
    Files in the package

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       Tips & Hints
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       IMPORTANT CHANGES THAT MAY CONFUSE OLD USERS

       - Be sure to remove old .COM files before you are installing a new
version.

1.7 "

       PROGRAM PURPOSE & ABOUTS

       Have you ever transfered something between Amiga and PC? You have three
ways how to do it:
       1) "floppy net" - copy file to a DD disk in the MS-DOS format and read
it by the Amiga
       2) Use TWIN or EasyLink. But it has a big disadvantage - it can transfer
file, but it does not allow applications on Amiga to directly access PC's
drives - it's not a filesystem.
       3) Use terminal programs and ZMODEM (or another) file transfer protocol.
Disadvantage? As above.

       So I decided to write my own filesystem with this feature.

       This program uses the master-slave technique (Yes, PC is the slave :-).
Transfers are fully independent (it is called the non-context protocol), so

if you write "type pc:c/LongFile.txt" and after some time reset PC and run
the PC part again, the text will continue scrolling.

     P.S.:   Feel free to mail me your opinions and/or bugreports and/or
suggestions and/or greetings - I would appreciate some feedback :-)

1.8 "

     REQUIREMENTS

     An Amiga with system V 2.0 or higher, a PC with MS-DOS version 6.0 or
higher. Both computers must have serial or parallel ports connected with
a cable from Weird Science.

     (Actually, NetworkPC has not been tested on 2.0 very much).

1.9 "

     TRANSFER RATES

     Average effective transfer rates (for about 0.5MB file). It means when
you will copy a file, divide its length by this number and you will get real
amount of time it will take to transfer it.

     You may test your speed by the NetPCSpeed utility included in the
package. But its results are not as precious, effective rates may be a little
bit slower. But it is better than nothing.

```
+---------------+------------+-----+-----+-------------+ | Cable [, Rate] |
Direction   | Src | Dst | Speed [KB/s] |
+---------------+------------+-----+-----+-------------+

A500/7Mhz  <->  AMD DX5/133MHz
+---------------+------------+-----+-----+-------------+ | 8-Wire Special |
AMIGA -> PC | HD | RAM | approx. 28.5 |
+---------------+------------+-----+-----+-------------+ | 8-Wire Special |
PC -> AMIGA | HD | HD | approx. 41.5 |
+---------------+------------+-----+-----+-------------+

A1200, Turbo (EC030/40Mhz)  <->  486DX2/80Mhz
+---------------+------------+-----+-----+-------------+ | 4-Wire LapLink |
AMIGA -> PC | RAM | HD |         35.1 |
+---------------+------------+-----+-----+-------------+ | 4-Wire LapLink |
PC -> AMIGA | HD | RAM |         19.5 |
+---------------+------------+-----+-----+-------------+

A500/7Mhz  <->  PC 386SX/40MHz
+---------------+------------+-----+-----+-------------+ | 4-Wire LapLink |
AMIGA -> PC |  HD | RAM |         18.5 |
```

```
+---------------+------------+-----+-----+--------------+ | 4-Wire LapLink |
PC -> AMIGA |  HD |  HD |          11.3 |
+---------------+------------+-----+-----+--------------+


Almost all Amigas (serial)
+---------------+------------+-----+-----+--------------+ | Serial, 57600 |
AMIGA -> PC |  HD | NIL |           4.9 |
+---------------+------------+-----+-----+--------------+ | Serial, 57600 |
PC -> AMIGA |  HD |  HD |           4.8 |
+---------------+------------+-----+-----+--------------+
```

1.10 "

```
PACKAGE TREE

NetPC (dir)
  C (dir)
     NetPCSpeed
     GetPCSpecs
     SetPCSpecs
  L (dir)
     NetPC-handler
  Storage (dir)
    DOSDrivers (dir)
       PC
      PC.Info
  DEVS (dir)
       PCEntry
  Libs
     igs.library
  PutToPC (dir)
     NetwrkPC.EXE
     NetPCRES.EXE
     NetPCDEB.EXE
     NetPCCFG.EXE
     NetPCANA.EXE
   Install
   Install.Info
   NetPC.guide
   NetPC.guide.info
    NetworkPCProblems.guide
   NetworkPCProblems.guide.info
  NetPC.Info
```

1.11 "

GetPCSpecs and SetPCSpecs are used internally by Amiga configuration
script ConfigNetworkPC. They should be installed in the 'C:' directory,
otherwise configuration script won't work.

1.12 "

NetPCSpeed is a small utility to measure approximate transfer speed. It writes and reads a few 100 KBs and then tells you transfer rate (in bytes per second). You should take this as an approximate value, because it may differ from effective transfer rate (hopefully not very much).

It creates a file on measured filesystem, so it must know path to a writeble directory. By default, this is pc:c, but you may change it do measure access to speed to, say, a diskette in PC drive. On the disc there must be at least 50KB free. So to do this, type NetPCSpeed pc:a".

You may ask, what happens when you give another directory, which is not on PC. In this case, program will also measure transfer rate, so you may use it to get transfer rate of your hardrisk. But as I stated before, results may not be very accurate.

The test is run for 45 secs for write and 45 secs for read, but it may sometimes take a few more seconds on slow medias (NetworkPC via serial).

You can interrupt the program using CTRL-C. But the program may not break immediatelly. It checks break whenever a dot is printed out.

1.13 "

HOW TO INSTALL THE PROGRAM

Please read the installation instructions provided with Network PC.

1.14 "

HOW TO START

 Install program running the InstallNetworkPC script (for Installer).

 Configure both sides.

Run program (NetworkPC.EXE) on PC and mount device on Amiga. If no 'PC' icon appears on WorkBench, try list pc:. It should list all drives on PC. The icon will appear a few seconds after this action.

Now you can access PC drives via logical device "PC:". In the main PC: directory there are PC devices stored as directories. So if you want to type file "autoexec.bat" on your PC's C: drive, write type pc:c/autoexec.bat.

When you want to access PC devices directly, you may create assigns e.g., "assign PCC: PC:C". (But you must remove them before you exit the handler.)

See also PC part notes for info about PC and Instalation for instalation details.

It is the best to start the not-resident version (NetPC_NR.EXE) for the
first time you run NetworkPC. It is safer.

1.15 "

PC PART NOTES

There are three copies of the PC software (NetworkPC.EXE, NetPCRES.EXE
and NetPCDEB.EXE).

NetworkPC.EXE is not resident, but you may be quit it by pressing the BREAK
combination or quitting the Amiga part – see Controlling program .

NetPCRES.EXE file is resident but it is not able to remove itself.

NetPCDEB.EXE is fully working and prints debug info.

1.16 "

Program is commodity and its interface can be popped up by any commodity
controller (exchange) or by hotkey (configured in the ConfigNetworkPC script.

Window contains following gadgets:

Hide – Hides interface

Info – Shows info about transfers

About – Shows copyright information

Abort – Aborts current action. Use it when it seems to be impossible to
transfer the packet. WARNING: This command is supposed to be safe only when
canceling the attempt of establishing connection. Cancel when doing some
action (opening, reading) may cause unpredictable results. (But does not in
the most of cases.)
NOTE: There may be delay between this command and the "CANCELING
ACTION" message because handler takes a care of it only when it starts
reading from the serial/parallel.

Quit – Will quit handler.   All locks to it must be unlocked. After
successful 'death' run the 'assign pc: dismount' command to unmount device.
Then you can mount it again (e.g., when you have changed the configuration).
NOTE: There   may be delay between this command and real quit because
handler takes a care of it only when it waits for the packet from DOS.

1.17 "

Amiga
PC

1.18 "

    Amiga handler is configured via mount receipt in the DEVS:Dosdrivers/PC file. However, I wrote a configuration script for Installer , so I advice you to configure NetworkPC this way.

    In the script, there is always some help under the "Help" gadget.

1.19 "

    PC side's configuration is stored in the 'NetworkPC.CFG' file. This file is binary and may be changed using the 'NetPCCFG.EXE' program. This program will pop up menus with little help, no problem here.

1.20 "

    Filename conversion
    Protection bits conversion
    Date conversion
    Error conversion

1.21 "

    FILENAME CONVERSION

    If you are running NetworkPC under Windows 95 , no filename conversion is applied. Program automatically recognizes whether it is necessary to convert filenames.

    First part of filename (till first . or /) will be truncated to eight chars if it's longer. Last file of name (after last ., if it exists) will be truncated to three chars.
    Example: filename "blablabla.ugh.woodpecker" will be converted to "blablabl.woo"
    Note: filenames that don't have the first part (most usual ".backdrop") will not be converted and open or lock call will fail. This is because of MS-DOS's impossibility to have file with empty first part of name.

1.22 "

    PROTECTION BITS CONVERSION

    PC -> Amiga conversion.
    R - converted to W and D amiga flags, because it has both effects on PC
    H - This flag is converted to Amiga's H flag, although it has no effect.
    S - Ignored
    A - Converted to A

```
    Amiga -> PC conversion
    H - Converted to H
    S - Ignored
    P - Ignored
    A - Converted to A
    R - Ignored
    W - Converted to R
    E - Ignored
    D - Ignored,  because  MS-DOS  is  unable  to  make writable but not
deletable file. (Does anyone know system except Amiga which could do it ?)
```

1.23 "

    DATE CONVERSION

    Works, but there are little problems with Amiga files dated between
1-Jan-76 and 1-Jan-80, because PC cannot have file with this date.

1.24 "

    ERROR CONVERSION

    Error codes are slightly incompatibile, so don't wonder when you get
inadequate error message. When a drive on PC is empty or unreadable, the DOS
error requester will appear in both cases. This happens because it is almost
impossible to recognize whether the drive is empty or the disk in it is
unreadable without direct drive access (reading a track). Write protected
floppies causes usual error requester.

1.25 "

```
  Q: When I mount PC:, nothing happens. NetworkPC icon appears
     after I do list pc: (or do something similar).
  A: When PC:  device is mounted automatically at startup, it is OK it
     behaves like this.  Otherwise it would bother you with error
     requests, etc.  Otherwise edit DEVS:DOSDrivers/PC file and
     set Activate to 1.


  Q: When I do Info, it reports strange info on the PC device.
  A: It is OK. The only thing I could do is to sumarize info from all
     drives, except 'A' and 'B', but I don't see much use for that.


  Q: Could you make NetworkPC to be compatibile with ParNet cable?
  A: No.  ParNet cable requires both ports to be able to turn in/out some
     of control bits (not just data), but PC cannot do that.
```

Q: Could you make NetworkPC to be able to remotely run programs on PC?
A: Probably yes, but I won't do that. I wrote NetworkPC as a filesystem.
   If you want to control your PC from Amiga, use Linux and not MS-DOS :)

Q: Could you make also files on Amiga to be accessible from PC?
A: Probably yes, but it would be a dirty hack. MESSY-DOS supports just
   remote drives, not remote filesystems. It means you would have your
   disk formatted under MS-DOS, or I would have to catch INT 21 services
   and look whether they are for file/dir on Amiga.

Q: DOpus doesn't enter some directories on double click.
A: Turn on System/Directories/Expand pathnames checkbox.

Q: Could you make client for Amiga?
A: Probably yes, but NetworkPC is designed to be used between real
   operating system and MS-DOS, so it has some limitations. I think
   ParNet is more suitable for this. (But I heard it is slower with
   eight wires than NetworkPC using four wires :-)

Bugs can be found in the bugs section.

1.26 "

TIPS AND HINTS

- If you mount device automatically at startup, it is a good idea to
  set the ACTIVATE tooltype and the Activate entry in the mountlist to
0.
  It will cause system to load and run handler when it is used for the
  first time and not when it is mounted.
  But this is not necessary under WB 2.0, because it does not
  automatically activate mounted devices.

- If you turn off PC, disconnect computers or exit device on Amiga and
  type the "avail flush" command unless your system will become slow.
  It is a "feature" of serial.device, not mine.

- For troubleshooting, read this .

1.27 "

KNOWN BUGS AND PROBLEMS

- Although NetworkPC does not require 7-wire cable (RTS/CTR
handshaking),
  some serial devices (baudbandit) are not able to turn it off, so it
  won't work with just 3-wires. Not actually bug in NetworkPC.

- Renaming directories does not work - MS-DOS is unable to do it.

- Cannot be used with the 'baudbandit.device', because it doesn't
  support SCMD_BREAK. (I resourced it and added the "break" command.
  But it is still not able to work on 115200 on A500 – just 57600.)

- Notification does not work well with DirectoryOpus. It seems OK from
  me, but I'll have a look at it again.

- Returned disk size (and free bytes) is inadequate (it's always the
  same).

- Error requesters (Disk is write-protected etc.) doesn't work when PC
  side ran as a TSR. I suppose it will never work (MS-DOS is a very
  dirty system).

- Printing redirection does not work well with Amiga TeX.

- You cannot lock "pc:prn" etc., so you can't "copy" anything to it
  (just "type", but it damages binary files). I will improve it.

- When NetworkPC on PC is running using ECP/EPP port and it is rebooted
  by CTRL-ALT-DEL without quitting it, BIOS will not detect that port
  unless you turn PC on/off or press the "Reset" button on its case.
  This is a bug in BIOS + port, that the port is not reset on
  CTRL-ALT-DEL.

- Dates are shown in GMT for W95's files.

Other problems (that does not seem to be bugs in NetPC and I know how to
solve them) may be found in FAQs .

1.28 "

PLANES FOR FUTURE

General:
- Completely rewrite NetworkPC. Make it able to use TCP/IP. I also
  plan to make NetPCParallel.device sana2 compatible and write
  it also for Linux, so you will be able to have fast transfers between
  Amiga and Linux.

Amiga:

PC:
- Make dates fully working under Win95.

1.29 "

LEGAL STUFF

The program is provided AS IS, without waranty of any kind, all use is
at YOUR OWN RISK. Author is not responsible for ANY data lost or damaged by

this software. Neither is he responsible for any hardware damage.

This software has been licensed to Weird Science Ltd. for the Network PC
package. The Network PC package is copyright 1997, Weird Science Ltd.

1.30 "

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(My name is really 'Michal', not 'Michael')

My thanks goes to:

- Johan Eliasson and Eivind Mikkelsen for beta testing and ideas
- Petr Cisar (PCSoft) for ideas and moral support :-)
- Pavouk for hardware support
- Pavel Troller (patrol) for help with testing.
- Stefan Walter for his SIM (Sistem Independent Monitor) which helped me
  very much with debugging
- All people who sent me ideas and bugreports

1.31 "

This is the main part – filesystem. Written in pure asm.

1.32 "

Tells the mount command how to mount the device. Also used for
configuration purposes – see Config/Amiga .

1.33 "

Not resident PC 'slave' program. See also PC part notes .

1.34 "

Resident PC 'slave' program. See also PC part notes .

1.35 "

This one is used when there are problems with running NetworkPC. It is
fully working version, but it has turned on debugging output. The output is
then passed to NetPCAna .

1.36 "

Analyses output from NetPCDEB . Tries to determine what's wrong. Then
prints resultcode, which is used in NetPCProblems.guide .

1.37 "

This is my own library that makes use of intuition and gadtools much
easier – you just point to extended gadtools' gadget structure that contains
pointers to routines and call igsOpenWindow or igsOpenWindowTags. Then you
call the igsHandleGMsg function and it will call routines according to
gadgets... All is tracked – when you close the library, it will be
automatically closed too.

List of routines (from autodoc):

TABLE OF CONTENS

igs.library/igsAddTracker igs.library/igsAlert igs.library/igsCleanup
igs.library/igsCommandItemAddr igs.library/igsControlMsgs
igs.library/igsCreateGadgets igs.library/igsCreateGadgetsDefs
igs.library/igsEasyRequest igs.library/igsEvaluate
igs.library/igsEvaluateError igs.library/igsFreeTracker
igs.library/igsGetIDCMP igs.library/igsHandleGMsg igs.library/igsItemAddr
igs.library/igsMultiRequest igs.library/igsOpenScreen
igs.library/igsOpenScreenTagList igs.library/igsOpenWindow
igs.library/igsOpenWindowTagList igs.library/igsPrintErr
igs.library/igsSetCleanupRoutine igs.library/igsSetMenu
igs.library/igsSimpleRequest igs.library/igsStoreGetIDCMP
igs.library/igsStoreWaitIDCMP igs.library/igsText igs.library/igsWaitIDCMP

Support for C is also available. This library is not on Aminet. If
anyone interested, mail me .

1.38 "

Script for the CBM's Installer . See also Instalation .

1.39 "

An instalation utility by Commodore. Can be got from any aminet site
e.g., ftp.luth.se.

1.40 "

Version 3.8 (27-May-95) (public release)
    - Flushes files on PC on Close(), it is safer.
    - On quit shows how many locks/notify requests are there.
    - Another changes in 8-Wire routines
    - Wrote NetPCSpeed, an utility to measure transfer rate.
    - 8-Wire parallel routines slightly changed to lower possibility of
      hazard, which occured on Amigas faster than PC.
    - Now shows date for W95 files. TimeZone offset is not working now
    - Read-only files may be opened without problem now
    - Added help requester for 'Cannot transfer ...' requester
    - NetworkPC can pretend it can do SetComment()
    - Fixed bug in docs in Special cable wiring scheme

Version 3.7 (16-Mar-96) (beta release)
    - Checksums fastened => little speedup
    - Fixed few things that was not working in the last betaversion

Version 3.6 (15-Mar-96) (beta release)
    - Minor changes in automounting
    - Number of fails after which a requester appears is configurable
    - Bidirectional parallel routines & all stuff around it written.
    - Checksum changed to additive - more reliable but slower.

Version 3.5 (21-Mar-96) (beta release)
    - Windows 95's extended filenames support added
    - Fixed bug that caused PC print trash when unrecognized packet got.
    - Fixed trashing of first two characters of the 'Hide' button text.

Version 3.4 (19-Feb-96) (public release)
    - Parallel routines made more reliable on fast PCs connected with A1200
    - Fixed occasional hazards in parallel routines (not very serious)

Version 3.3 beta (29-Jan-96) (beta release)
    - Hotkey is configurable from now.
    - Volume node is now added after connecting, WB no longer locks on
      startup.
    - Doc and config script updated

Version 3.3 alpha (1-Jan-96) (alpha release)
    - Some minor changes in behavior, mostly because NetPCParallel.device
      returns error on timeout, but standart serial.device not.
    - When unsuccessful in transfering (four timeouts without success etc.),
      brings up a request.
    - Can be be popped up by CTRL LALT 2.
    - Written NetPCParallel.device, written PC parallel routines

    Older history

1.41 "

```
Version 3.2 (15-Dec-95) (public release)
    - The message 'Cannot open xxx.device unit n' is now printed correctly
    - RTS/CTS requirement removed, can be used with 3-wire cable now (see
       problems ).
    - Configuration script now copied into C:
    - Main guide divided into four sections to be more lucid.
    - Long filenames support added.
    - Further changes in serial routine (on PC).  Now it can run on 115200
      without problems.

Version 3.2 beta (26-Nov-95) (beta release)
    - Fixed bug that caused bad printing of messages with some versions of
      exec.library.
    - Added possibility of using all IRQs from 2 to 7 no matter for which
      port.
    - Fixed nasty bug I've been hunting for from the beginning, that caused
      program to not work on IRQs other that 4 (i.e. COM2, ...).
    - Added debugging, written NetworkPCProblems.guide, written NetPCAna.
    - Some further changes in serial routines.
    - A brand new icon set

Version 3.1 beta  (29-Sep-95) (beta release)
    - Added possibility of slowing down PC->Amiga but not Amiga->PC transfer
      (just a trial staff, not available for public).
    - PC serial routines rewritten to get enough speed performance on slower
      PCs
    - Fixed bug that caused crash of Amiga handler when it was restarted.

Version 3.0 alpha (14-Jul-95) (beta release)
    - Program made commodity
    - Gopher-like and Background progress indicatiors implemented
    - PC receive interrupt routine rewritten to be faster
    - Configuring via config file
    - A bug in filename conversion fixed - it badly converted names like
      'pc:c/dbase.dat/'.  (To the one who reported it:  Sorry, I lost your
      name, e-mail me please).

Version 2.4 (4-May-95) (public release)
    - Bug that caused impossibility of reading from write-protected files
      fixed.
    - Locking using the exclusive mode no longer sets file size to 0
      (This most often happend when adding to an archive on the PC by LHA)
    - Now programming also FIFO register on PC, so I think problems with
      impossibility to get connection after running TWIN (and other too) are
      solved.

Version 2.3 beta (internal release)
    - More than one char device names on PC allowed  - now you can use
pc:prn
      for printing via PC.

Version 2.2 (26-Mar-95) (first public release)

Version 2.2 beta (1-Mar-95) (beta release)
```

      - Feature that caused DOpus to re-read directories every time removed
      - Notification support added
      - Delete and Rename now tests if object is locked
      - Minor changes in this guide
      - Added progress indicator (LED)
      - File transfer slightly rewritten so that you are able to reset PC
        and re-run PC side when transfering without loosing any data
      - Startup packet added
      - NetworkPC's second task's priority is now -1
      - Not resident version of a PC software is now quited when you quit
        Amiga part
      - Not resident version lists files as quick as the resident one

  Version 2.1 beta (25-Feb-95) (beta release)
      - Bug that caused crash when changing date with DOpus fixed (wow !!!)
      - Fixed some problems with creating directories

  Version 2.0 beta (20-Feb-95) (beta release)
      - Written installer script
      - Doc rewritten to the AmigaGuide format
      - Communication packetized
      - Added checksums
      - Added timeouts
      - Added output window and possibility of controlling from it
      - Bug that caused assigns don't work fixed
      - PC part made also as a resident
      - Configurable (speed and comm) PC part
      - Configurable speed, packet size and timeouts

  Version 1.1 beta (End of Jan-95, unreleased)
      - Added possibility of using another device than serial (via mountlist)

  Version 1.0 (Jul/Aug-94, unreleased)
      First version: no packets, no timeouts, no chechsums, no config, ...

1.42   "

    Format a DD floppy disc on the PC ("format A: /F720") and then mount
the PC0: device on Amiga. Copy desired file(s) to this device and then read
it by PC.   You may also use HD disk, but you must have a HD drive in your
Amiga.

1.43   "

    Download the package (I think it is on the Aminet) and copy it using
this program.

1.44   "

Connect PC and Amiga with serial cable and run a terminal program on both machines. Select "download" on PC and then "upload" on Amiga.

NOTE: Be sure you have choosen the same protocol and speed on both machines. And please note that there may be incompatibility between PC and Amiga protocols. (I recommend you ZMODEM, it is the best available protocol I know.)

1.45 "

HOW TO PRINT ON PRINTER CONNECTED TO PC VIA NetPC

A guy (sorry, I forgot who was it) suggested to learn my "network" to print on printer connected to the remote computer. I didn't want to do this, because NetPC is a filesystem and not real network. But then I realized that it is simple. The solution is to make "devices" on PC such as CON, AUX, COM and PRN accesible from Amiga.

So if you write "Type TextFile.txt to pc:con", you will see the text scrolling on the PC's console. You may even type "Type pc:c/autoexec.bat to pc:con" which will type on PC it's own autoexec.bat. But how to print the files:

If you want to print a text file, type "Type ThatFile to pc:prn".

If you want to print binary file, don't use copy – it will fail. The "pc:prn" device cannot be locked (yet). So the only way how to print something another than a text is to redirect the parallel device using the CMD tool (it is on WB disk, call it "sys:tools/CMD parallel pc:prn") and then print it (e.g., from Multiview if you want to print the picture).

WARNING: Don't play with reading from PC devices, it can lock up the PC side (e.g., never type "type pc:aux") !!!

1.46 "

TROUBLE SHOOTING

As I got many letters from people that NetworkPC doesn't work and because it is very hard to debug, I have written a whole guide of NetworkPC troubleshooting. It asks you questions and you answer by clicking on buttons. It also uses the NetPCAna program to process debugging output, which may tell what's wrong.

If you click here , you can look at it.

1.47 "

Amiga
Linux
Mac (Apple)
MS-DOS
OS/2
Windows (MS-DOS 7.0)

1.48 "

I'm not thinking about writing a client for Amiga. ParNet, SerNet or ParBench are better, because they don't have to bother with inter-system problems.

1.49 "

No serious information available. It should work under some emulator, but maybe you will have some trouble making cable (MAC does not use RS-232).

1.50 "

NetworkPC has been developed under MS-DOS, so there should not be a problem. I repeat that it requires version 6.0.

1.51 "

NetworkPC works under Windows 95 without problems, but just the not-resident version. But then it can use long filenames, so no filename conversion is needed (see NetworkPC under Win95).

When running under Windows 3.x, there's a problem, because my task cannot get interrupts unless its window is activated...

1.52 "

It can be run under Linux, but you must use MS-DOS emulator. I tried it by myself. It works even better that under a real MS-DOS :-). Of course, there is a problem with accessing files that are under Linux.

1.53 "

Eivind Mikkelsen reported that not resident version works well under OS/2.

1.54 "

NetworkPC and Windows 95

If you want to keep long filenames for Amiga files, you may use Windows 95's extended filenames. To use this feature you must start Win95, and then run DOS-Shell. Poping up boot menu and running just DOS 7.0 is not enough. Dates are still not show correctly (they are in GMT).