


How to use the DNP/5282 Telnet Command Interface

The DIL/NetPC DNP/5282 offers a way for simple user command entry over a Ethernet- and TCP/IP-based Telnet session. This user interface is available direct after a DNP/5282 Linux booting process without the RCM jumper.

- **1. Step:** Set-up a Ethernet link between the DNP/5282 10/100 Mbps Ethernet interface and the Ethernet interface of your PC system. Check the IP address of the PC system (Windows: **ipconfig** command; Linux: **ifconfig** command). **The default IP address (factory set-up) of the DNP/5282 is 192.168.0.126.**



```
Eingabeaufforderung
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Dokumente und Einstellungen\kdw>ipconfig

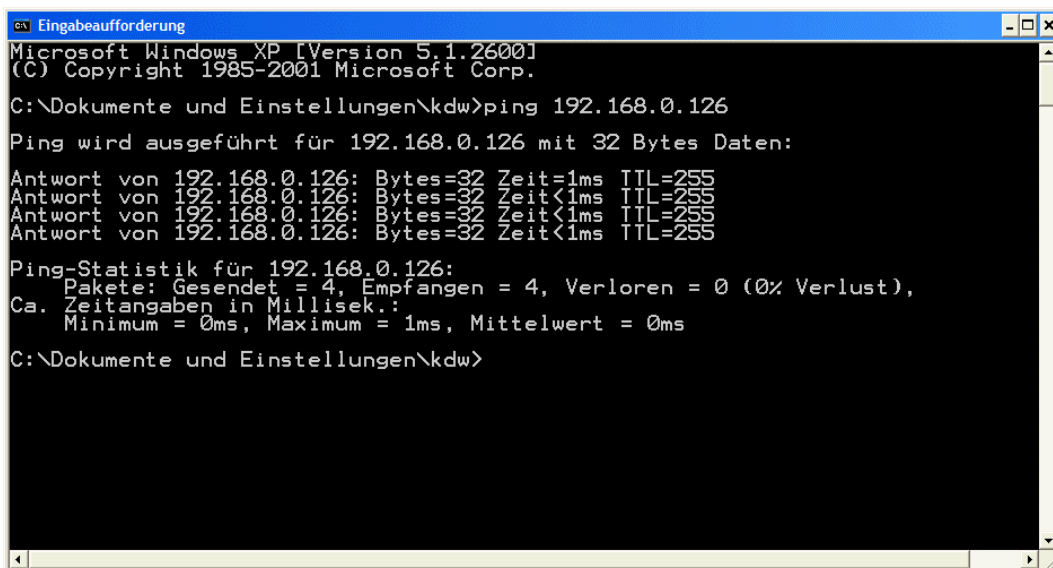
Windows-IP-Konfiguration

Ethernetadapter LAN-Verbindung:

    Verbindungsspezifisches DNS-Suffix:
    IP-Adresse. . . . . : 192.168.0.254
    Subnetzmaske. . . . . : 255.255.255.0
    Standardgateway . . . . . :

C:\Dokumente und Einstellungen\kdw>
```

- **2. Step:** Check the Ethernet-based TCP/IP connection between the DNP/5282 and your PC system. Use a **ping** command for this check. Enter **ping 192.168.0.126** within a DOS box of a Windows PC or a Linux shell.



```
Eingabeaufforderung
Microsoft Windows XP [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Dokumente und Einstellungen\kdw>ping 192.168.0.126

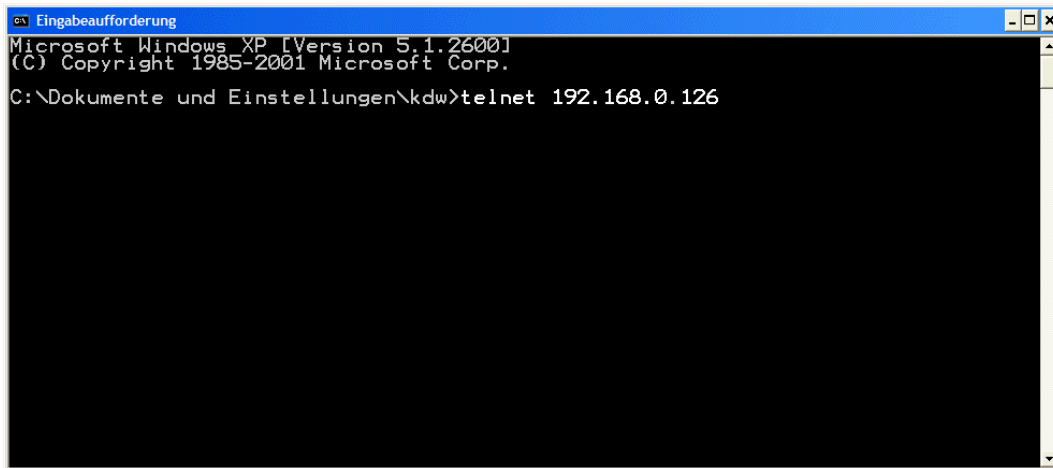
Ping wird ausgefuehrt fuer 192.168.0.126 mit 32 Bytes Daten:

Antwort von 192.168.0.126: Bytes=32 Zeit=1ms TTL=255
Antwort von 192.168.0.126: Bytes=32 Zeit<1ms TTL=255
Antwort von 192.168.0.126: Bytes=32 Zeit<1ms TTL=255
Antwort von 192.168.0.126: Bytes=32 Zeit<1ms TTL=255

Ping-Statistik fuer 192.168.0.126:
    Pakete: Gesendet = 4, Empfangen = 4, Verloren = 0 (0% Verlust),
    Ca. Zeitangaben in Millisek.:
        Minimum = 0ms, Maximum = 1ms, Mittelwert = 0ms

C:\Dokumente und Einstellungen\kdw>
```

- **3. Step:** Run a Telnet client program on your PC system. Enter `telnet 192.168.0.126` within a DOS box of a Windows PC or a Linux shell. **The DNP/5282 Linux don't need a user login with user name and password.**

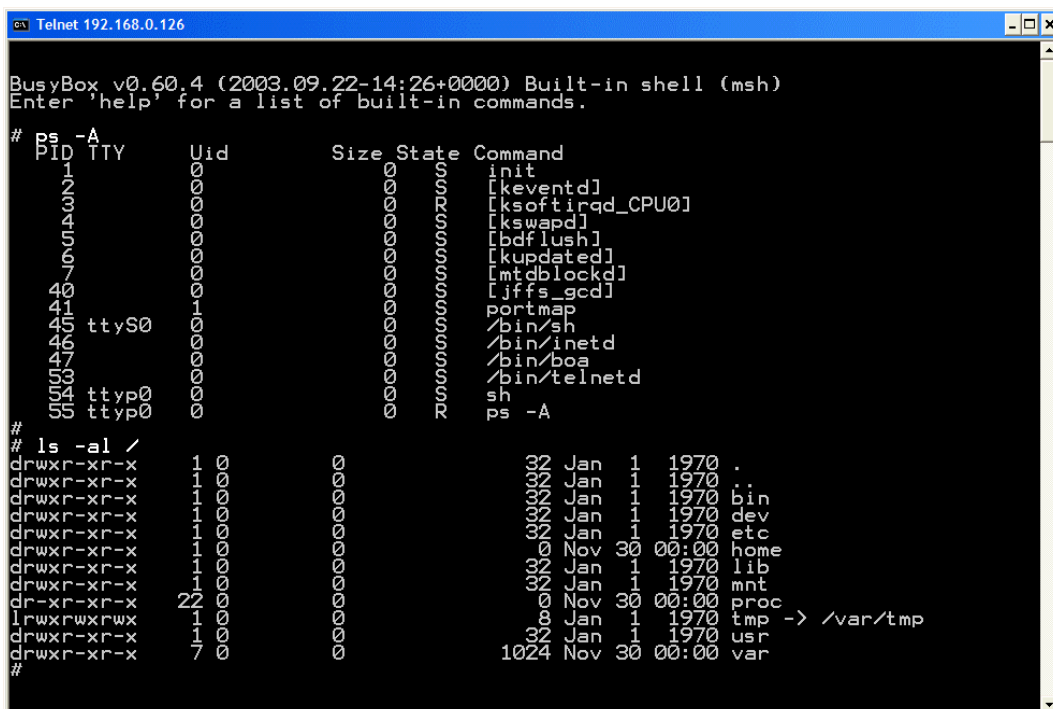


```

Eingabeaufforderung
Microsoft Windows [Version 5.1.2600]
(C) Copyright 1985-2001 Microsoft Corp.
C:\Dokumente und Einstellungen\kdw>telnet 192.168.0.126

```

- **4. Step:** Enter your Linux commands within the Telnet window. The DNP/5282 executes this commands and brings up the output to the same Telnet window.



```

Telnet 192.168.0.126
BusyBox v0.60.4 (2003.09.22-14:26+0000) Built-in shell (msh)
Enter 'help' for a list of built-in commands.
# ps -A
  PID TTY          Uid    Size State  Command
  1    1 00000000 0000 [init
  2    1 00000000 0000 [kewntd]
  3    1 00000000 0000 [ksoftirqd_CPU0]
  4    1 00000000 0000 [kswapd]
  5    1 00000000 0000 [bdflush]
  6    1 00000000 0000 [kupdated]
  7    1 00000000 0000 [mtdblockd]
  40   1 00000000 0000 [lffs_gcd]
  41   1 00000000 0000 portmap
  44   1 ttyS0    00000000 0000 /bin/sh
  46   1 00000000 0000 /bin/inetd
  47   1 00000000 0000 /bin/boa
  50   1 00000000 0000 /bin/telnetd
  54   1 ttyp0    00000000 0000 sh
  55   1 ttyp0    00000000 0000 ps -A
# ls -al /
drwxr-xr-x 1 1 0 0 0 0 0 0 0 0 Jan 1 1970 .
drwxr-xr-x 1 1 0 0 0 0 0 0 0 0 Jan 1 1970 ..
drwxr-xr-x 1 1 0 0 0 0 0 0 0 0 Jan 1 1970 bin
drwxr-xr-x 1 1 0 0 0 0 0 0 0 0 Jan 1 1970 dev
drwxr-xr-x 1 1 0 0 0 0 0 0 0 0 Jan 1 1970 etc
drwxr-xr-x 1 1 0 0 0 0 0 0 0 0 Nov 30 00:00 home
drwxr-xr-x 1 1 0 0 0 0 0 0 0 0 Jan 1 1970 lib
drwxr-xr-x 1 1 0 0 0 0 0 0 0 0 Jan 1 1970 mnt
dr-xr-xr-x 2 1 0 0 0 0 0 0 0 0 Nov 30 00:00 proc
lrwxrwxrwx 1 1 0 0 0 0 0 0 0 0 Jan 1 1970 tmp -> /var/tmp
drwxr-xr-x 1 1 0 0 0 0 0 0 0 0 Jan 1 1970 usr
drwxr-xr-x 1 7 0 0 0 0 0 0 0 0 Nov 30 00:00 var
#

```

Please note: The DIL/NetPCs DNP/5282, PNP/5280 and DNP/5280 are software compatible. Only the mechanical form factor and the pin out is different. The Linux operating system of these two systems is absolute identical.

That is all.