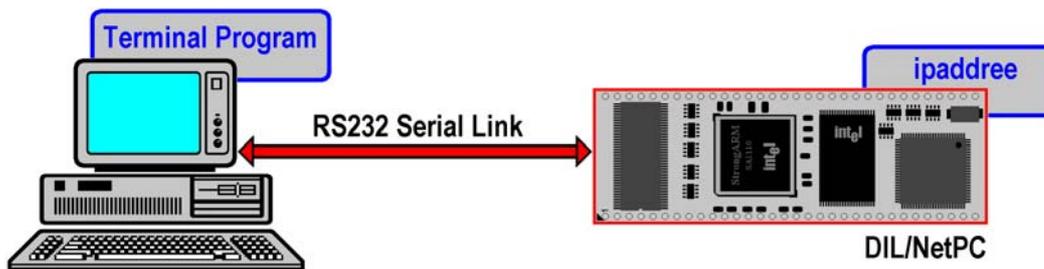


## How to change the DNP/2110 Factory-Set IP Address (ipaddree usage)

Every device connected to an IP network must have a unique IP address. This address is used to reference the specific unit. The DIL/NetPC DNP/2110 is automatically assigned an IP address on DHCP-enabled networks as it is DHCP-enabled by default. If DHCP doesn't work (i.e. no DHCP server available), the DNP/2110 takes a default IP address. The factory-set value for this default IP address is **192.168.0.126**. The network mask for this address is **255.255.255.0**.

You can change this IP address over a RS232-based serial link with the help of program, called **ipaddree**.



- **1. Step:** Setup a serial link (**RS232 Serial Link**) between the DIL/NetPC DNP/2110 COM1 serial port and a serial port of your PC system. Use a null-modem cable for the physical connection between the COM1 port of the DIL/NetPC DNP/2110 and the PC COM port. For more details about this connection please use the DIL/NetPC DNP/2110 Starter Kit documentation.
- **2. Step:** Run your terminal emulation program. Microsoft Windows-based PC systems offer *HyperTerminal* for this task. Linux-based systems come with *Minicom*. Then power-up your DNP/2110.

```

DIL-NetPC (COM15) - HyperTerminal
Datei Bearbeiten Ansicht Anrufen Übertragung ?
[Icons]
0x00400000-0x00800000 : "Flash spare 1"
0x00800000-0x01000000 : "Flash spare 2"
dnp2110 - jffs - JFFS version 1.0, (C) 1999, 2000 Axis Communications AB
JFFS2 version 2.1. (C) 2001 Red Hat, Inc., designed by Axis Communications AB.
jffs2 -

Starting flash
Starting autoinit
Starting network Configuring and Starting Network : lo dhcpcd[98]: timed out waiting for a valid DHCP server response

eth0

Starting inetd: inetd
Starting httpd
Starting autostart

- SSV Embedded Linux - Version 0.20
emblinux login: root
Password:
login[144]: root login on 'ttyS0'

[root@emblinux /root]#ipaddree -w 192.168.2.126 -m 255.255.255.0
[root@emblinux /root]#_

Verbinden 00:08:05 ANSIV 115200 8-N-1 RF GROSS NUM Aufzeichnen Druckerecho

```

- **3. Step:** Wait until the DNP/2110 Linux ask you for a user name. Please enter the user name **root**. This user name needs no password. Just hit the Enter key if the DNP/2110 Linux ask for a password. Then execute the following command:

```
ipaddree -w 192.168.2.126 -m 255.255.255.0
```

“ipaddree” is the name of a command-line IP setup tool. “192.168.2.126” is a IP address. Use the IP address of your choice for your set-up on this position. “255.255.255.0” is a network mask. Use a valid network mask for your IP address.

- **4. Step:** Reboot the DNP/2110. The new IP address and network mask is valid after the next boot process if no DHCP server available or if DHCP doesn't work.

That is all.