How to set the IGW/800 or IGW/900 IP Address with DHCP

In some networks it can be necessary to request a IP address at boot time from a DHCP server. The IGW/800 or IGW/900 Linux Device Server offers a DHCP client for these environments.

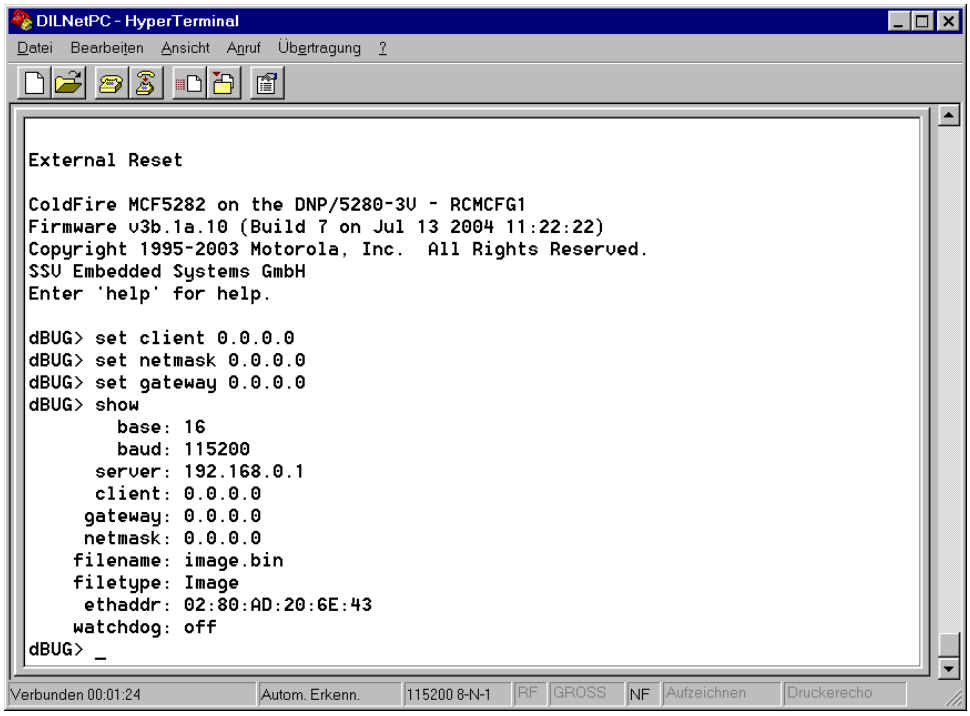
- **1. Step**: Make sure that on your IGW/800 or IGW/900 Linux Device Server runs a Linux O/S Image File Release 3 or newer. See *mHTigw8-12.pdf: How to identify the IGW/800 or IGW/900 Linux O/S Image File Version* for more details.

- **2. Step**: Setup a serial link (**RS232 Serial Link**) between the IGW/800 or IGW/900 COM1 serial port and a serial port of your PC system. Use a null-modem cable in combination with the RS232 interface cable for the physical connection between the COM1 port of the IGW/800 or IGW/900 and the PC COM port. For more details about this connection please use the *IGW/800* or *IGW/900 Starter Kit User Manual*.

- **3**. **Step:** Set the RCM cable bridge of your IGW/800 or IGW/900 Linux Device Server to boot the Motorola dBUG ROM Monitor program. For more details about this cable bridge please use the *IGW/800* or *IGW/900 Starter Kit User Manual*.

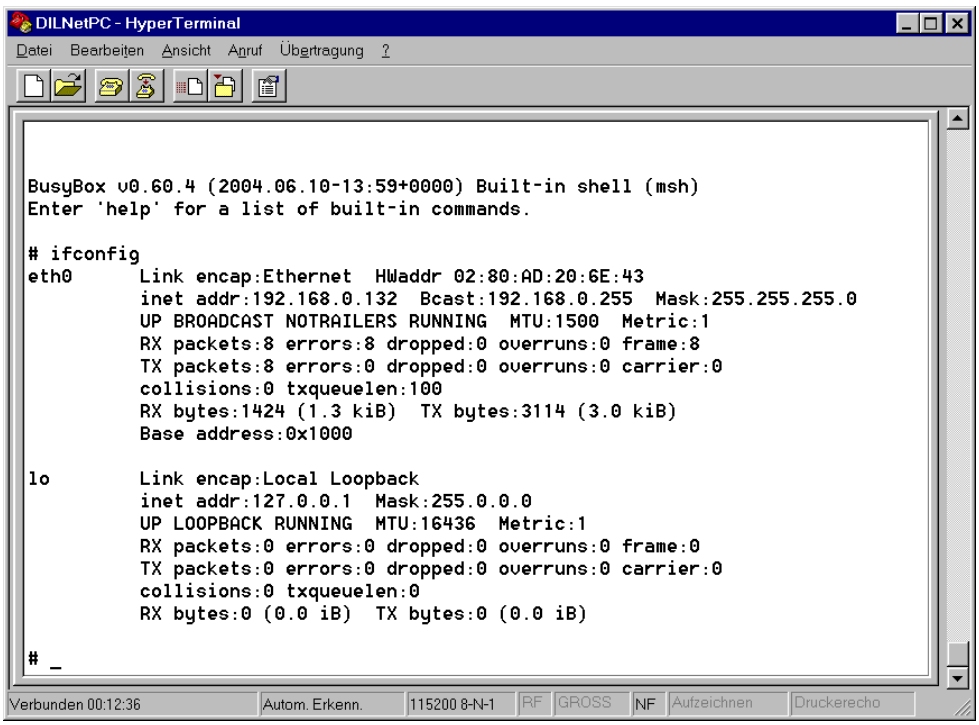
- **4. Step**: Run your terminal emulation program. Microsoft Windows-based PC systems offer *HyperTerminal* for this task. Linux-based systems come with *Minicom*. Then provide the IGW/800 or IGW/900 with power and enter the commands:

```
set client 0.0.0.0
set netmask 0.0.0.0
set gateway 0.0.0.0
show
```



- **5. Step**: Remove the power and the RCM cable bridge. Then supply the IGW/800 or IGW/900 again with power for booting Linux. Enter the Linux command:

```
ifconfig
```



Please note: If the IGW/800 or IGW/900 Linux Device Server can't find a DHCP server or can't receive an IP address from a DHCP server, the Ethernet LAN interface is not initialised after the Linux boot.

That is all.