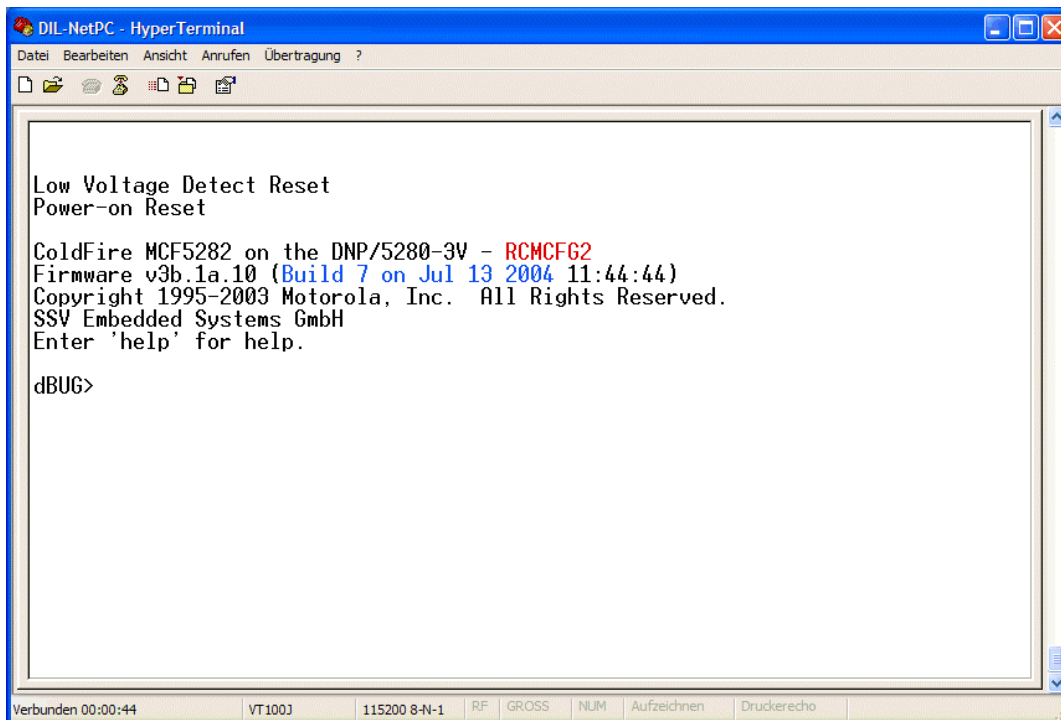


How to identify the dBUG ROM Monitor Program Version

The DIL/NetPC DNP/528x on-board flash memory of your IGW/800 or IGW/900 Linux Device Server offers the *Motorola dBUG ROM Monitor* program for the IGW/800 or IGW/900 RCM (Remote Console Mode) operation mode. This firmware also initializes the hardware direct after each IGW/800 or IGW/900 power-up.

- **1. 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 and 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*.
- **2. Step:** Run your terminal emulation program. Microsoft Windows-based PC systems offer *HyperTerminal* for this task. Linux-based systems comes with *Minicom*.
- **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 direct from the on-board flash memory. For more details about this cable bridge please use the *IGW/800* or *IGW/900 Starter Kit User Manual*. Then provide the IGW/800 or IGW/900 with power.



```
DIL-NetPC - HyperTerminal
Datei Bearbeiten Ansicht Anrufen Übertragung ?
Low Voltage Detect Reset
Power-on Reset
ColdFire MCF5282 on the DNP/5280-3V - RCMCFG2
Firmware v3b.1a.10 (Build 7 on Jul 13 2004 11:44:44)
Copyright 1995-2003 Motorola, Inc. All Rights Reserved.
SSV Embedded Systems GmbH
Enter 'help' for help.
dBUG>
```

- **4. Step:** The text line “*Firmware v3b.1a.10 (Build 7 on Jul 13 2004 ...)*” offers the dBUG version information.

The sample in the picture above shows Motorola **dBUG ROM Monitor Firmware Version 3b.1a.10 (Build 7 on Jul 13 2004)**.

Please note: There are two different RCM configurations for the IGW/800 and IGW/900 dBUG ROM Monitor program available.

RCM Configuration	RCM Features
RCMCFG1	Enter RCM with GPTB3=0 (default for IGW/800)
RCMCFG2	Enter RCM with GPTB3=0 or PA2=0 (default for IGW/900)

The DIL/NetPC DNP/528x Starter Kit CD-ROM contains different dBUG ROM Monitor Binary Image Files for BDM and in-application programming.

That is all.