

## How to reformat the on-board 8 Mbyte NAND flash memory

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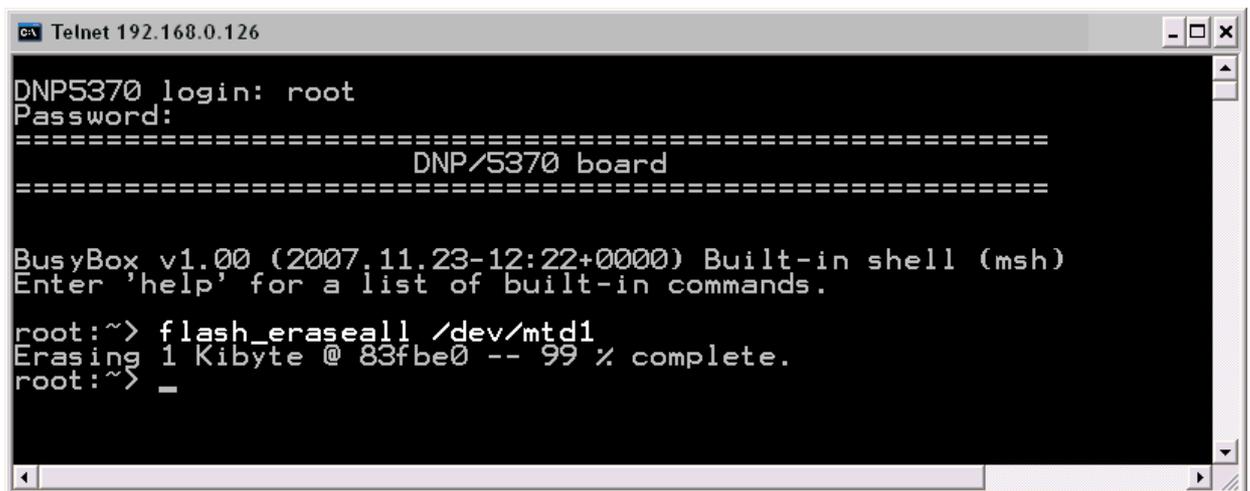
The DIL/NetPC DNP/5370 on-board NAND flash is driven by a JFFS (Journalling Flash File System). The JFFS is a part of the DNP/5370 Linux kernel. A JFFS needs a preformatted data structure within the flash memory space for operation. If this data structure is damaged, the DNP/5370 shows errors messages similar to

### **Jffs2\_scan\_eraseblock(): Magic bitmask 0x1985 not found at 0x0058721C: 0x00bd instead**

at booting time. In this case please reformat then NAND flash. The following step describes how to do this.

- **1. Step:** Please setup a Telnet session or use the RS232-based serial console. Then enter the following command line:

```
flash_eraseall /dev/mtd1
```



```
Telnet 192.168.0.126
DNP5370 login: root
Password:
=====
                        DNP/5370 board
=====

BusyBox v1.00 (2007.11.23-12:22+0000) Built-in shell (msh)
Enter 'help' for a list of built-in commands.

root:~> flash_eraseall /dev/mtd1
Erasing 1 Kibyte @ 83fbe0 -- 99 % complete.
root:~> _
```

The reformat cycle will take some time. Please be patient to complete this step. Afterwards reboot the DNP/5370 device.

**Please note:** The reformat cycle clears all files within the DNP/5370 Linux directory */flash*.

That is all.