

This document describes the installation and configuration of the GenereX Linux driver to use the WN internal BEETLE UPS PSU (MPS1086, API4PO06) with RS232 serial port. This UPS is used for E1 and F mainboards.

History

Driver version 060911

(file date of /usr/ups/upsman is 27th February 2006)

Initial release of the driver.

Driver version 090408

(file date of /usr/ups/upsman is 7th April 2009)

Driver improved to work with Prolific USB-to-serial converter.

Static paths to log files removed from ups.cfg.

Table of contents

History	1
Table of contents.....	1
Contents of DOWNLOAD.ZIP:.....	1
1. Install the driver	2
2. Using the driver	2
2.1. Command line interface	2
2.2. Graphical interface.....	3
3. Documentation files	3

Contents of DOWNLOAD.ZIP:

Read this document before using any of this software!

upsunx_090408.tar.gz	Driver archive
README.PDF	This document
UPSHBENG.pdf	English documentation
UPSHBGER.pdf	German documentation

1. Install the driver

Copy the archive `upsunx_090408.tar.gz` to a local directory. Run the following commands to extract the archive to the directory “`generex`”.

```
gunzip upsunx_090408.tar.gz
tar xf upsunx_090408.tar
```

To run the installation wizard, do the following as user root.

```
cd generex
./install
```

Proceed through the installation wizard. Press <ENTER> to commit the default values if you are not sure. When you come to the configuration step, the most important value is the port where the UPS is connected to the system (Default: COM1 = /dev/ttyS0).

2. Using the driver

The driver contains different tools to retrieve information about the status of the UPS. This chapter only gives you a brief description. Please read the included PDF files for more information.

2.1. *Command line interface*

With the tool “`/usr/ups/upsmon`” you can get values from the ups and start a battery test.

Use “`/usr/ups/upsmon -h`” for a short help.

Some examples:

```
./upsmon -i autonomytime
upsmon:          Inquiry(autonomytime)
                ups answer: 30.45

./upsmon -t batterytest
upsmon: waiting for test result ...
upsmon: Test(batterytest):Start-Time: Thu Sep 14 08:59:56 2006
                Result: OK                    Backup-Time: 30 min
upsmon: Command:(batterytest) OK
```

2.2. *Graphical interface*

The graphical interface is based on a Java applet and can be viewed with a browser if a java plugin is installed. To install the plugin, create the following link (The paths can differ, if you used other software versions. For firefox use `/usr/lib/firefox-*/plugins/libjavaplugin_oji.so`).

```
ln -s /usr/java/j2re1.4.2_04/plugin/i386/ns610/libjavaplugin_oji.so  
    /usr/lib/mozilla/plugins/libjavaplugin_oji.so
```

Start the browser and enter the following address:

```
http://localhost:8081
```

or (remote access)

```
http://<ip of the system>:8081
```

3. Documentation files

Please read the included PDF files for more information.

UPSHBENG.pdf	English documentation
UPSHBGER.pdf	German documentation