

# Technological breakthrough: USB Support for MGE UPSs on Linux



## Our challenge

USB has been correctly supported by Linux with 2.4 kernel for certain peripherals such as keyboard and mouse. Compliant with the USB Power Device class standard, the UPS HID data structure is more complex and has a rich tree structure.

MGE has been working on this project with Open Source developers to provide an exhaustive standard and clean USB support for UPSs under Linux and Unix operating systems. In order to help, MGE has provided it's own « hid parser » under GPL license as well as protocol specifications, UPS devices for testing, development effort, etc. **As a result MGE is announcing worldwide the following technological breakthrough:**

## USB Support for MGE UPSs on Linux

Thanks to a common development effort with the Opensource community, MGE UPS SYSTEMS, is proud to announce that USB connectivity between Unix/Linux and UPSs has become a reality. Please refer to <http://eu1.networkupstools.org/>

## Network UPS Tools

The "newhidups" communication driver has been released under the NUT (Network UPS Tools) project and it is compatible with following UPSs:

- Pulsar Ellipse USB
- Pulsar Ellipse Premium USB
- Pulsar Evolution USB port
- Comet / Galaxy (USB)  
USB Card (ref 66067)
- All other USB Enabled MGE UPSs

## How to install and use

### 1) From Sources:

- retrieve the source packages (1.4.2-pre2 testing version or 1.5.14 development version)
- install libusb (libusb.sf.net) minimal version 0.1.7
- compile using following commands:
  - # ./configure
  - # make
  - # make usb
- install using following commands:
  - # make install
  - # make install-usb
- configure NUT according to user documentation and insert into ups.conf the following lines:  
[myups]

driver = newhidups

port = auto

- ▶ then refer to standard NUT documentation

## 2) From Package:

- ▶ Depending on your Linux distribution, you might have packages including "newhidups" while writing this document, Debian GNU /Linux and Mandrake Linux include it.

## Contact:

- ▶ <http://opensource.mgeups.com>

For more info, please contact us at [opensource@mgeups.com](mailto:opensource@mgeups.com)