SSD Slow Control Notes

# Wiener power supply

## Set up (*windows only*)

See “6.1 Software Setup for Microsoft Windows” in Manual\_MPOD\_LV-HV\_2.5.3.pdf for details.

1. Install MUSEControl.msi
2. Connecting the MPOD Controller via USB
3. Start program, set IP address

## Example

Requirement: net-snmp related package. (yum search net-snmp)

A simple example for the prototype (one LV module and one HV module) is in ssd-upgrade.star.bnl.gov:/home/yanwh/epics/powerSupply

OR garbo.star.bnl.gov:/home/yanwh/epics/powerSupply

Some pictures are shown below (The HV module is not there):

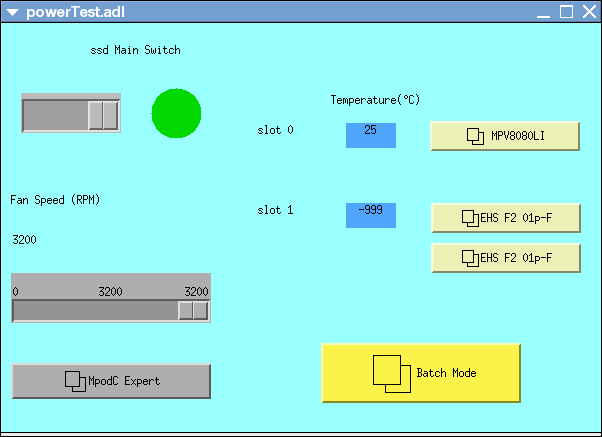


Figure Main GUI

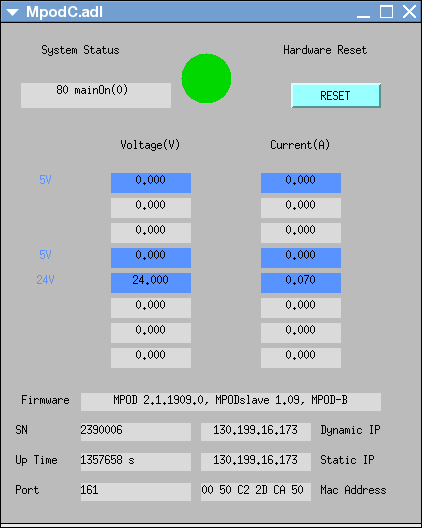


Figure Mpod Controller GUI

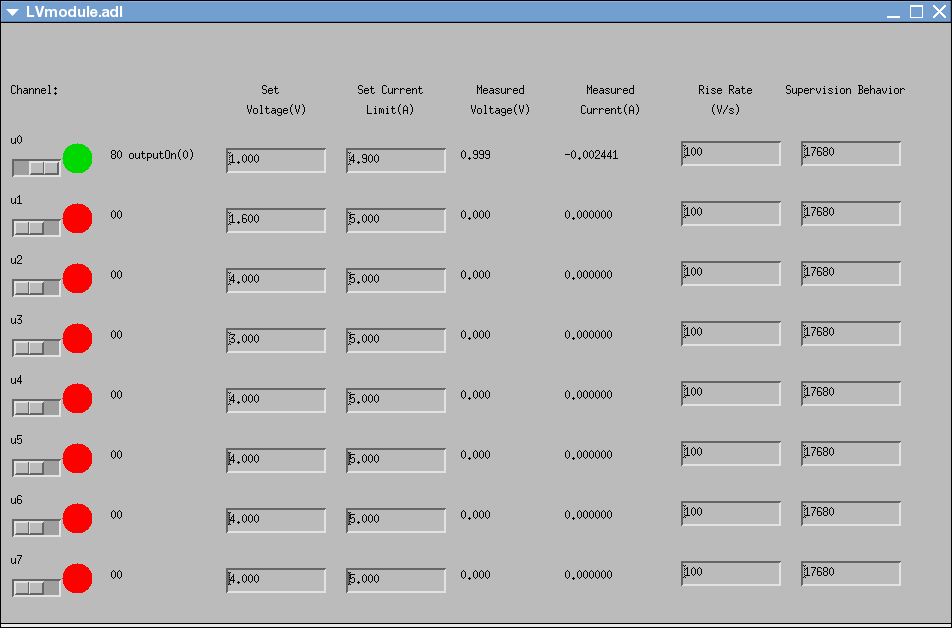


Figure Low Voltage module GUI

Mpod controller has a built-in HTTP server. You can view the status of the crate in a web browser.

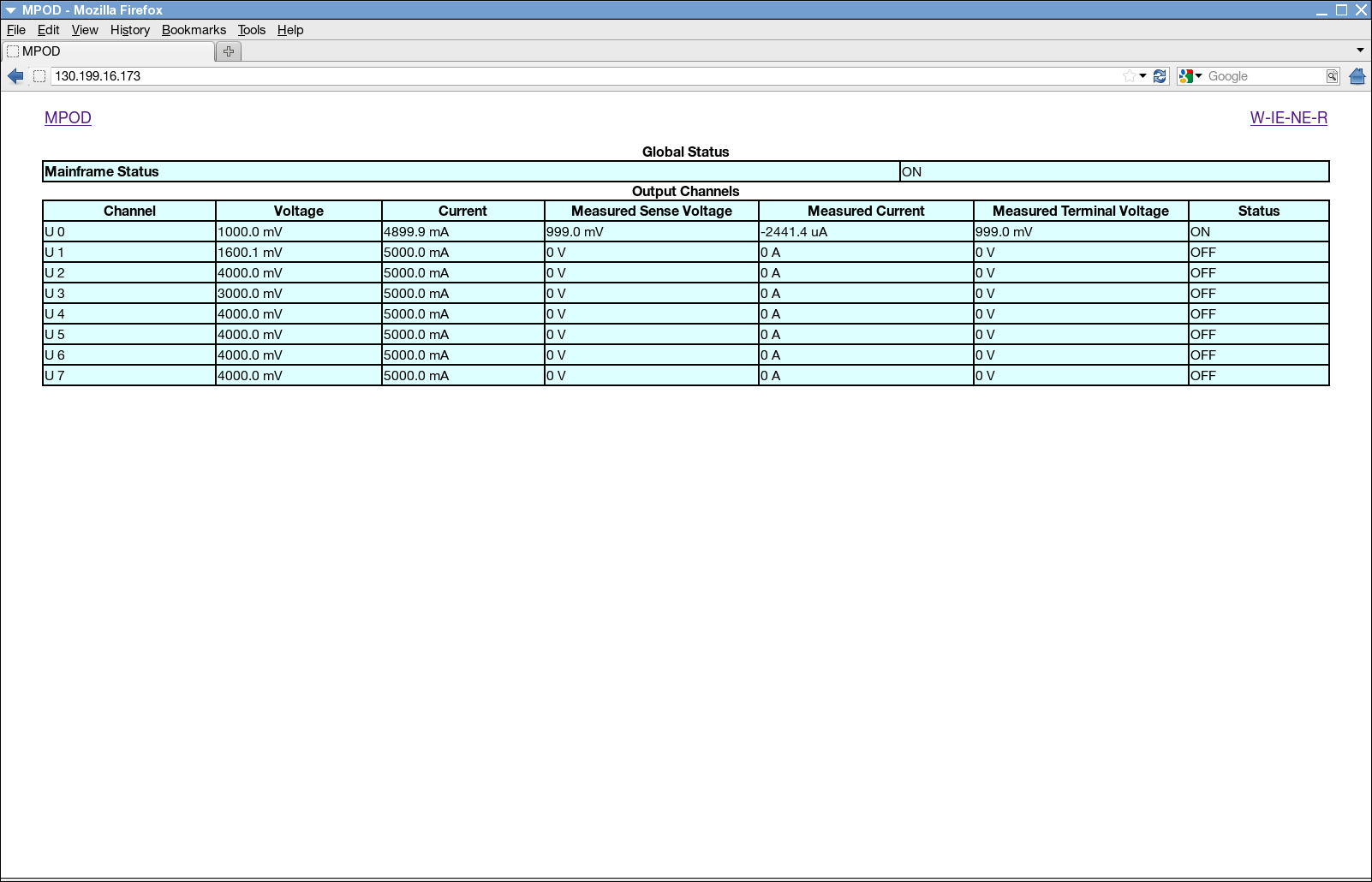


Figure Web monitor

## Appendix

1. Oid names can be LONG, we have modified our EPICS base code dbStaticLib.c to allow for 256 char strings in DB fields rather than the default of 80, in order to work around this.

{EPICS base path}/ src/dbStatic/dbStaticLib.c: string[80]->string[256]

1. The net-snmp library will detect the architecture of operating system automatically by a shell script. I didn’t change it in ssd-upgrade computer. So you well need change the .bashrc to use x86\_64 version EPICS.

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