UPS COMMUNICATION
Web Card

User Manual For Model:
SNMP-INTT-01

WEB CARD OVERVIEW

The UPS Communication Card allows a Marathon Power UPS to directly connect to the Ethernet network and the Internet, supporting real-time monitoring and control of UPSs across the network via a standard Web browser, SNMP-compliant network management system or power management software.

FEATURES

- Web based access to facilitate easy configuration of the UPS
- Real Time UPS Monitoring
- Event and Data Logs
- Event Notifications via Email and TRAP

CAPABILITIES

- Managing the UPS
- Event Notifications
- Remotely Controlling the UPS
- Event and Data Logs
- Firmware upgrading via Web browser and Telnet

NOTIFICATION TYPES

- SMTP Email and TRAP event notifications

NETWORK PROTOCOLS SUPPORTED

- HTTP
- Internet Email (SMTP)
- Internet Time Sync (SNTP)
- Domain Name System (DNS)
- DHCP

SNMP NETWORK MANAGEMENT

- Standard MIB files for UPS/NMS applications
- Supports both SNMP v1 and v2
- RFC 1213 (MIB-II)
- RFC 1628 (UPS MIB), and private UPS extension MIB

NMS SYSTEMS SUPPORTED

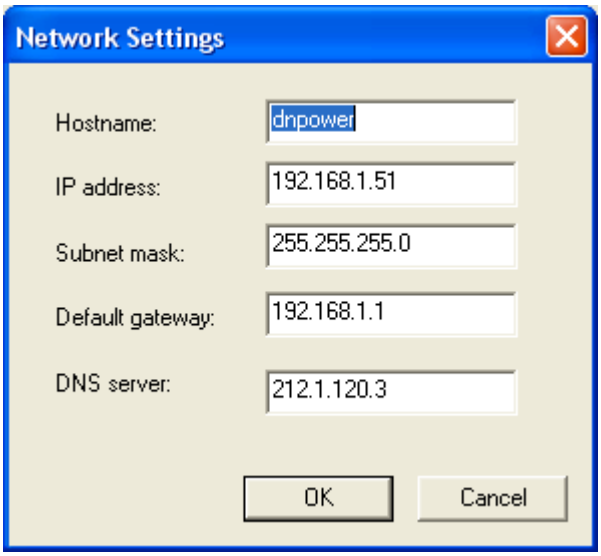
- HP OpenView
- IBM NetView
- Novell NMS
- Sun SunNet Manager
- Other SNMP compatible NMS's

Making the Ethernet Connection

The Ethernet card has an embedded HTML for interface with a web browser via an RJ45 cable connection.

For the initial connection, use either the dnpower.exe (or smconfig.exe) utility program - OR - a direct PC (web browser) to Ethernet card connection using an RJ45 cross-over cable.

Here are the SMTP Card's default settings.



Before connecting to your SNMP card be sure you have one of the following:

Switch or hub and two Ethernet straight through Ethernet cables.

Computer that has an AutoLink networking port. An AutoLink port will determine if you are connecting to a device that requires a crossover cable or a straight through cable and automatically transmit and receive using the correct connection.

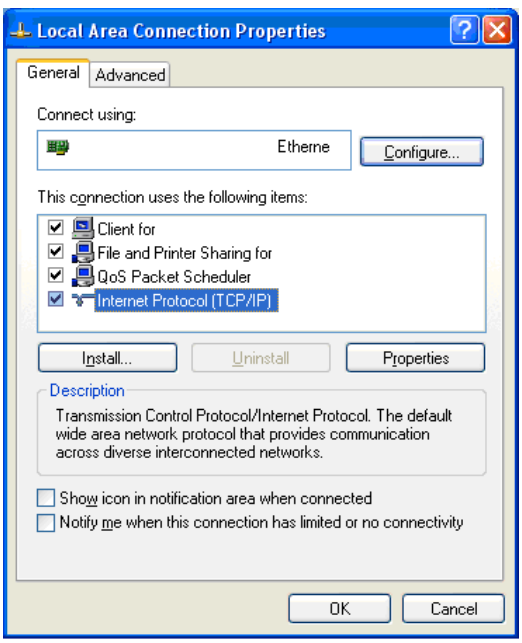
Ethernet crossover cable

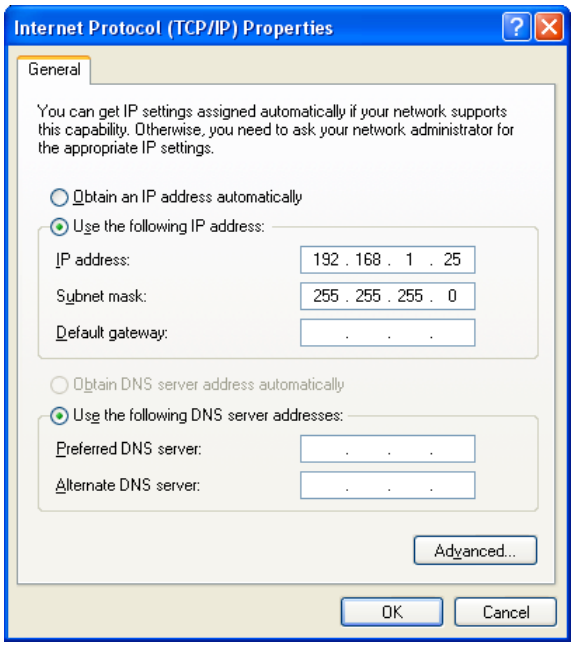
Connecting Directly to the SNTP Card with an RJ45Cable

Please record the settings that are already entered before you change anything. Failure to return these setting back to "normal" could result in you not being able to connect to your usual network.

Set the PC for a fixed IP address 192.168.1.xxx (xxx = 0 to 255 except 51)
Set the PC's subnet mask for 255.255.255.0

Go to the PC's Network Connections for these LAN configuration screens.

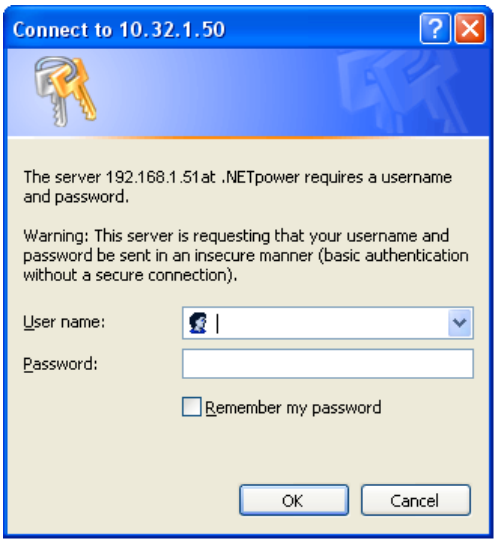




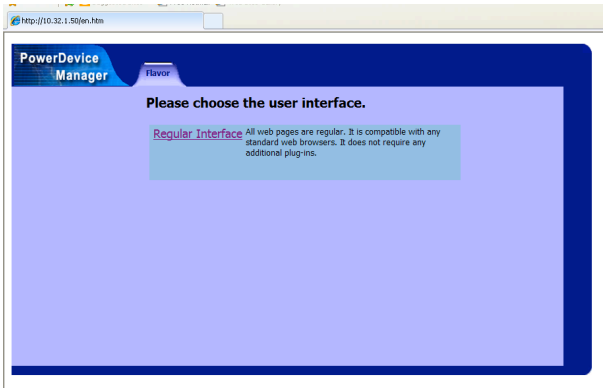
Note - you must have administrator's access to the PC to access these screens.

Some older PC operating systems require reboot for the changes to take effect. You can verify by running command line "ipconfig"…C:\>ipconfig .

Enter the Ethernet card default IP address **192.168.1.51** in the web browser URL.

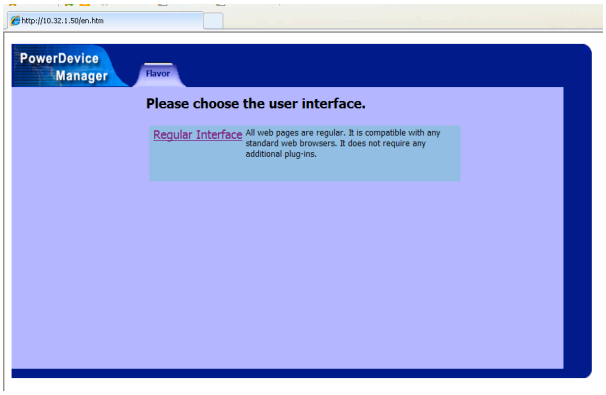


User name: **admin**
Password: **user**



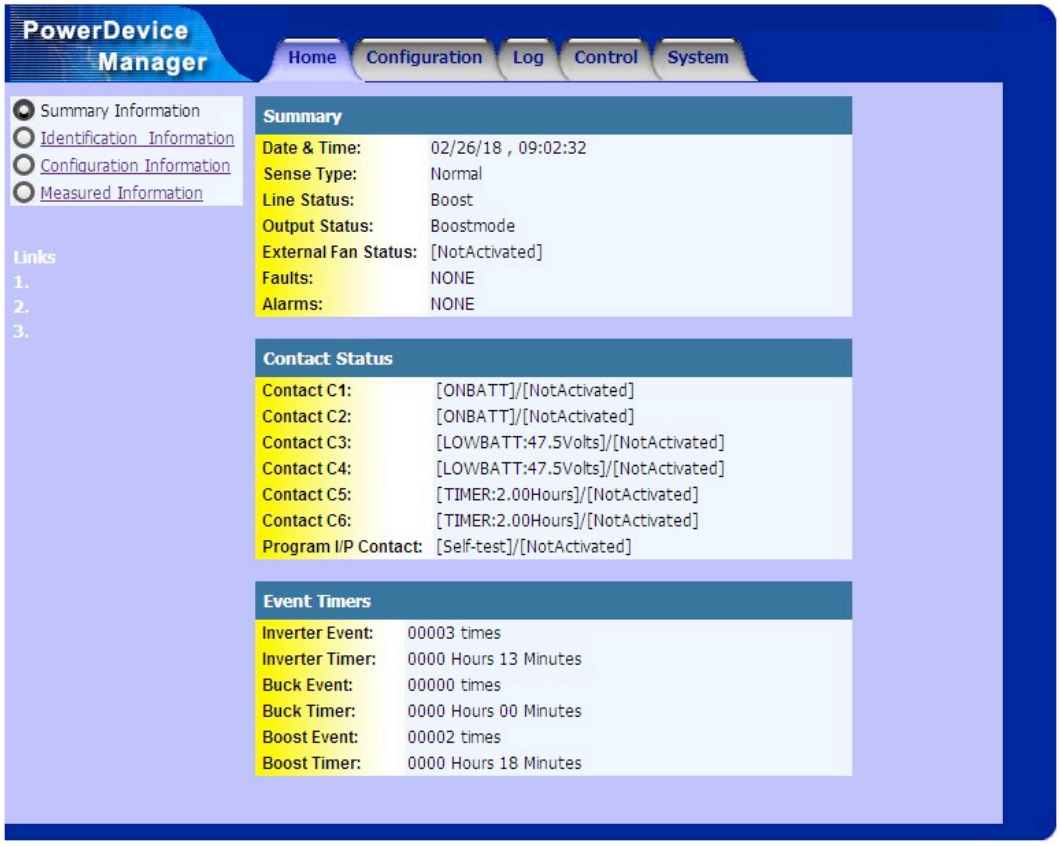
This is the initial screen after entering the login.

Open a web browser and enter the Ethernet card IP address in the web browser URL

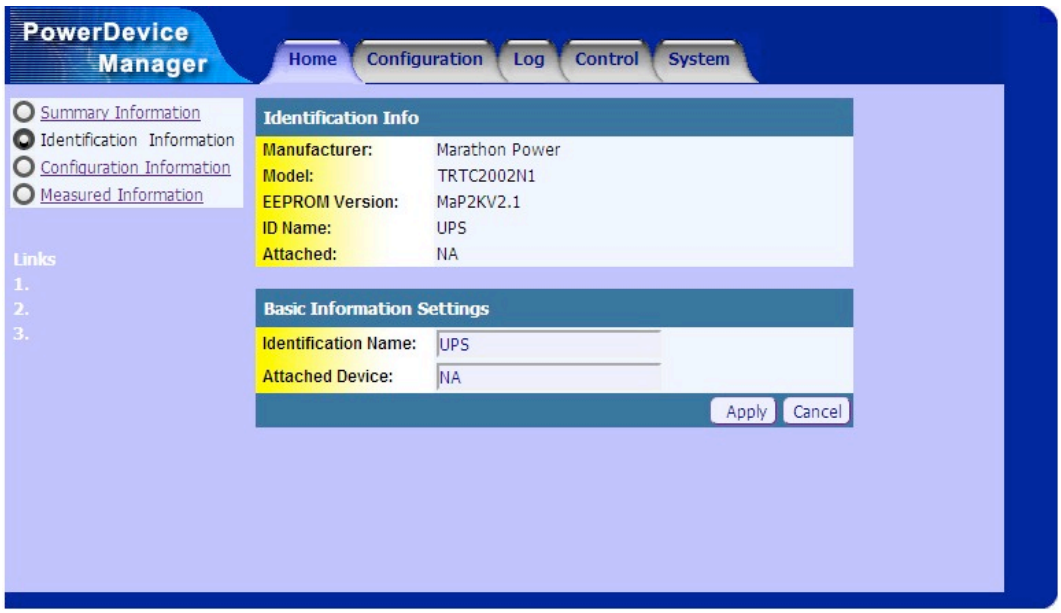


This is the initial screen after entering the login.
Click on " Regular Interface"

Home – Summary Information

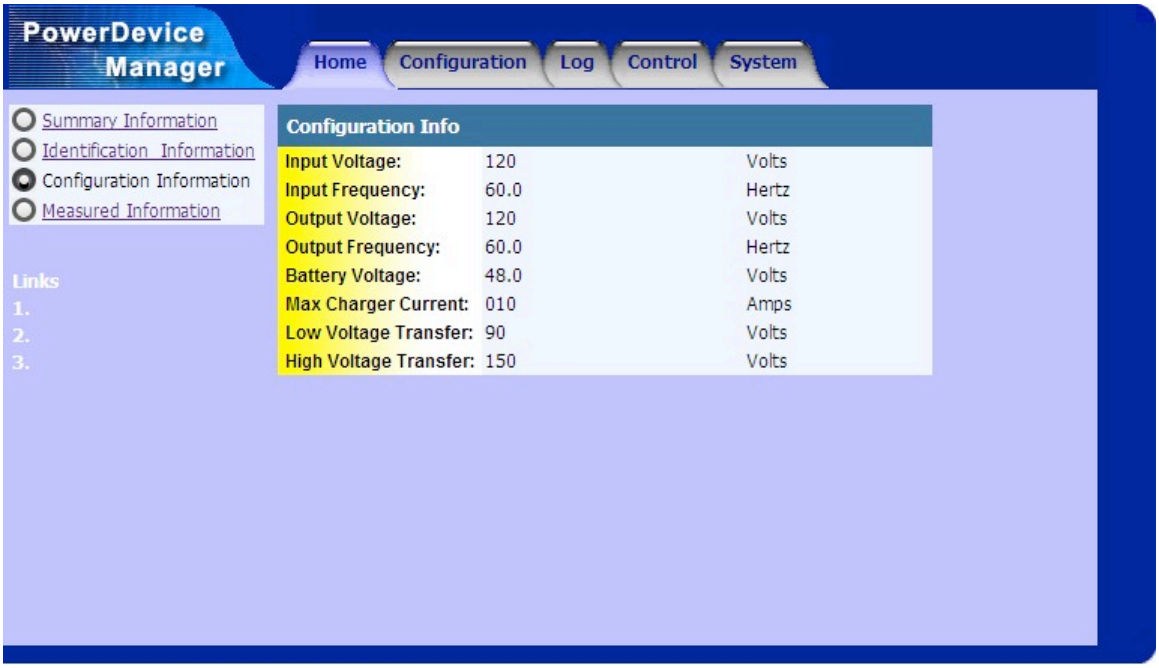


Home - UPS Identification Info

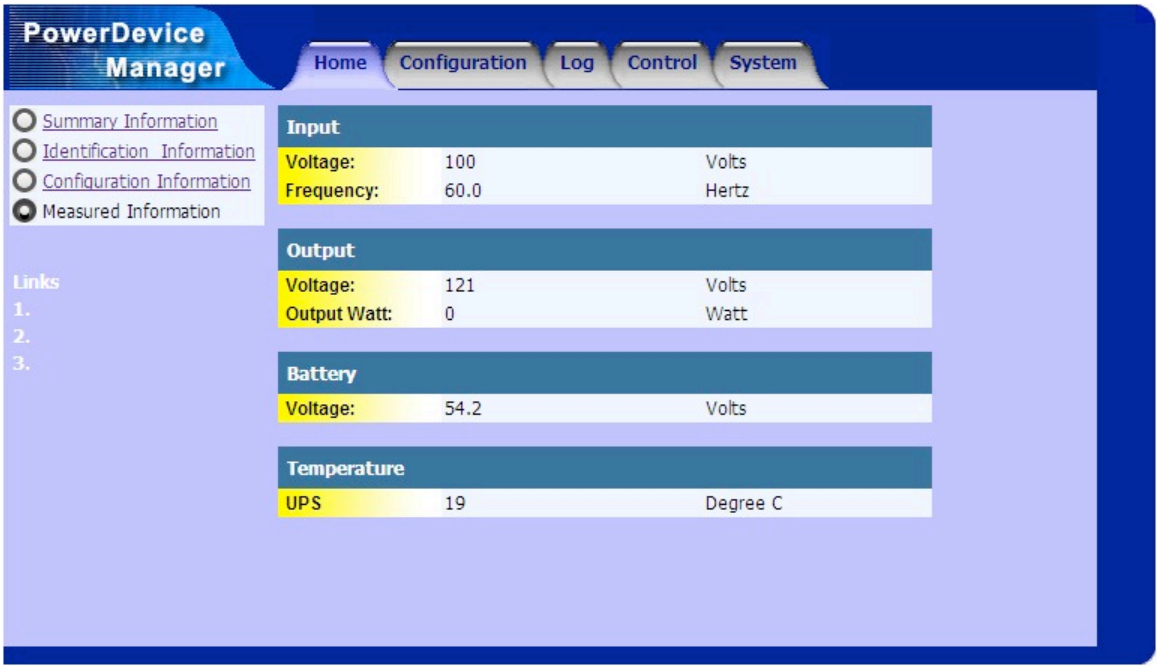


To change “ID Name” and “Attached:” see the Telnet menu item 5 information.
For traffic applications “ID Name” would typically be the name of the intersection
And “Attached” would be the equipment backed up by the UPS.

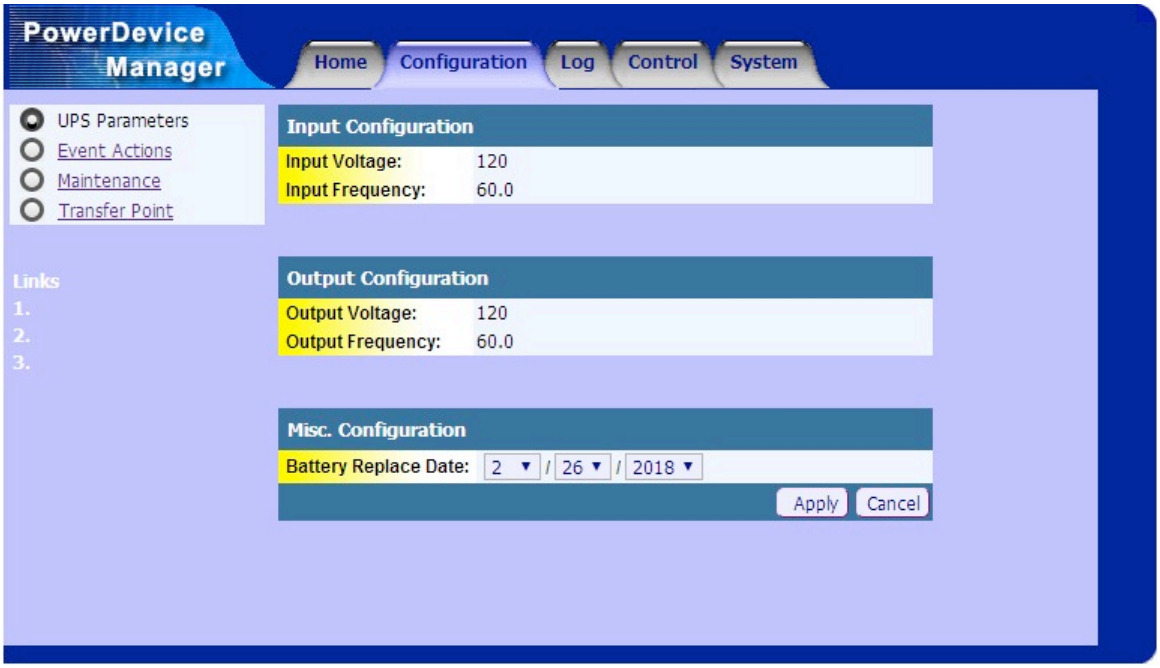
Home – Configuration Information



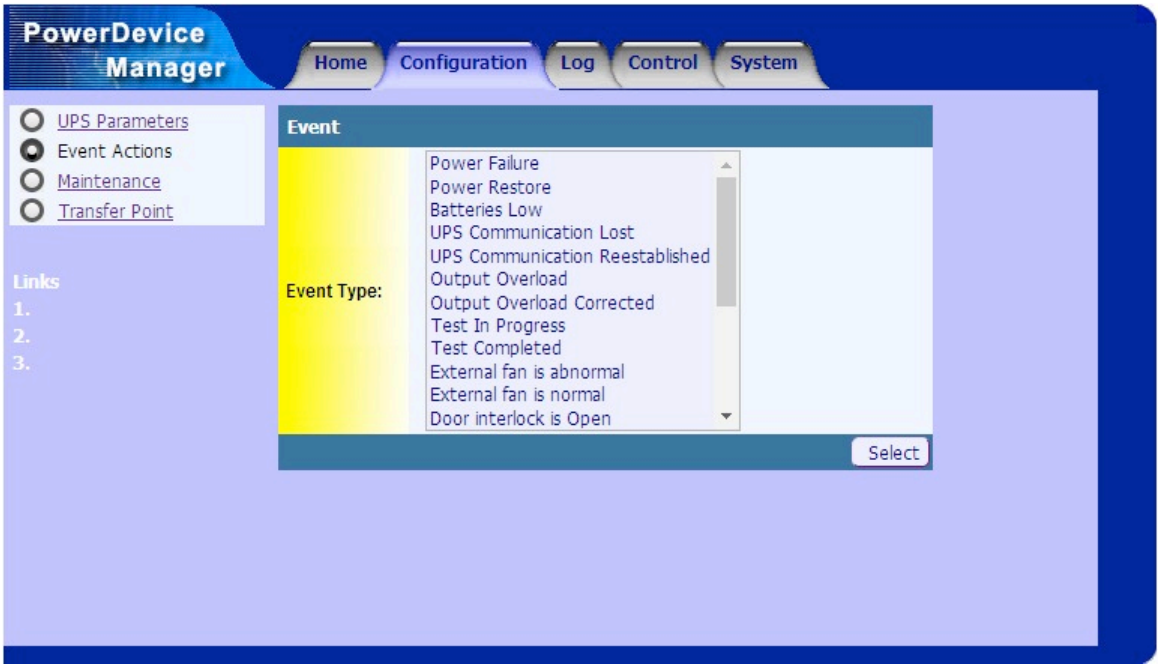
Home – Measured Information



Configuration – UPS Parameters

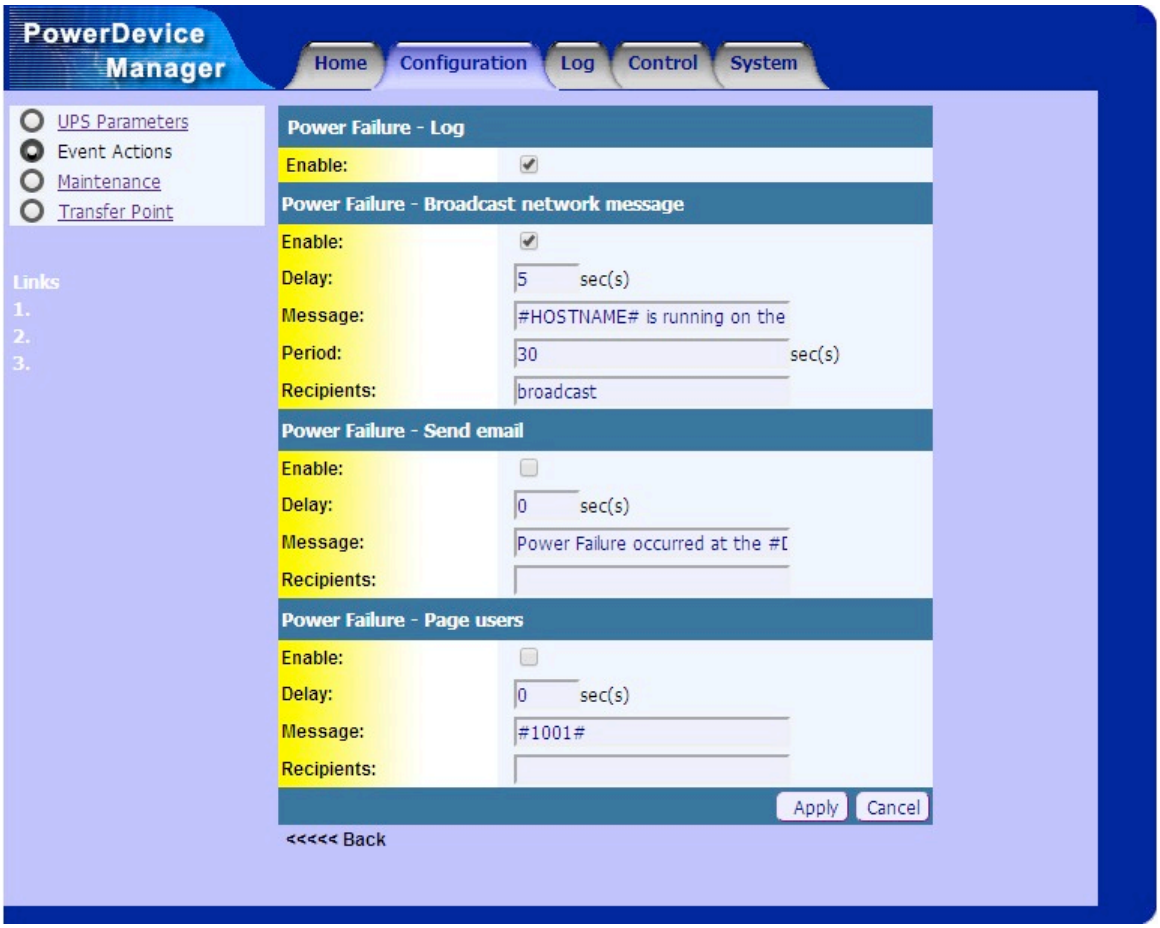


Configuration – Event Actions

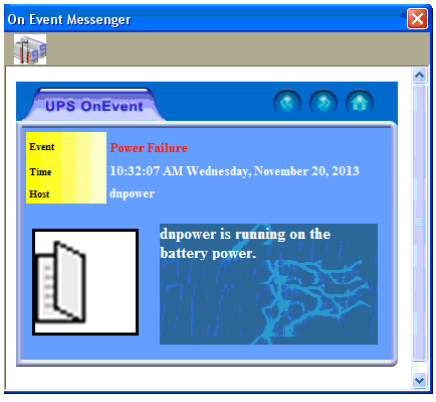


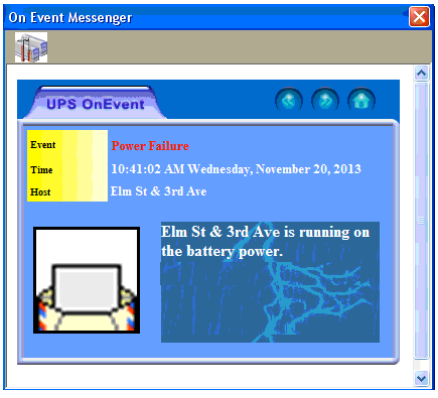
Select each action to configure its own handling.

For an example “Power Failure”



Broadcast Network Message - Sends the event action to the “On Event” pop up messaging software.

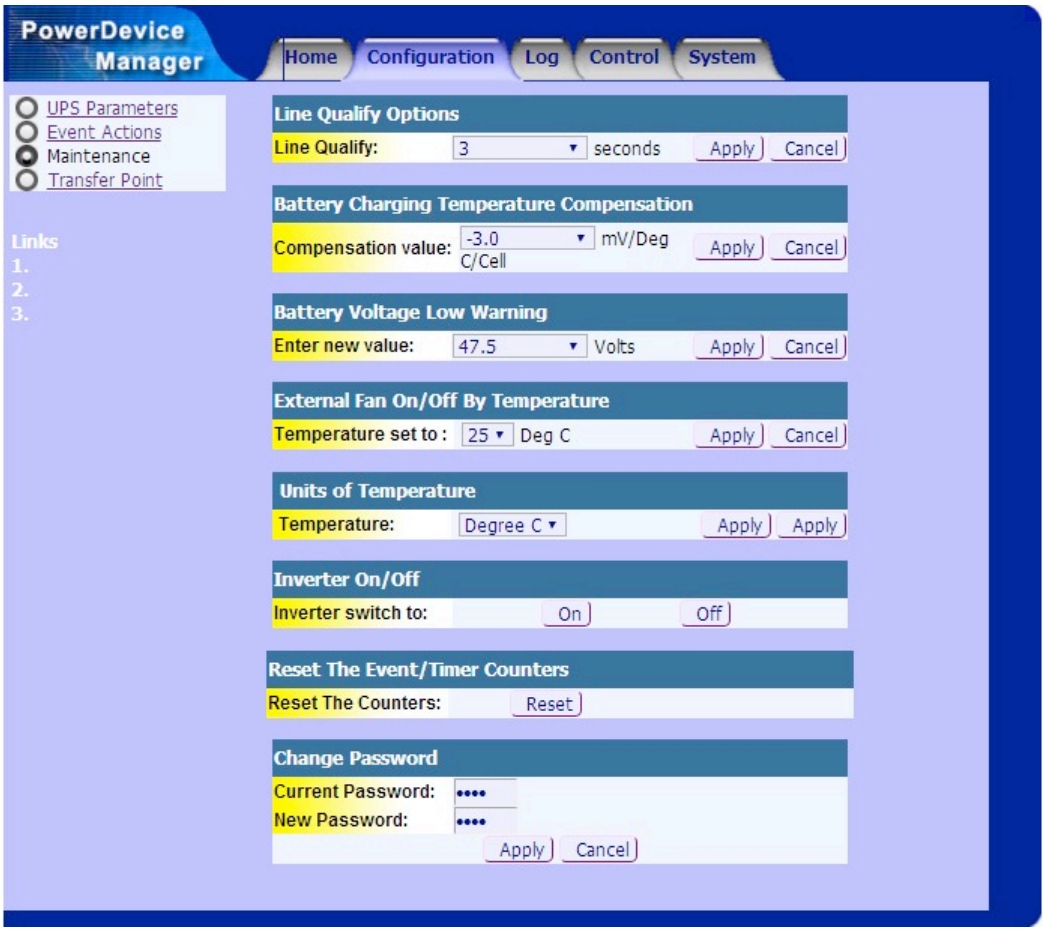




Send Email - Recipients can be IP addresses or computer names. Separate multiple names and IP addresses with a (;) semi-colon. “Broadcast “(in Recipients) sends to all computers on the LAN.

Page users - Is no longer supported.

Configuration – Maintenance



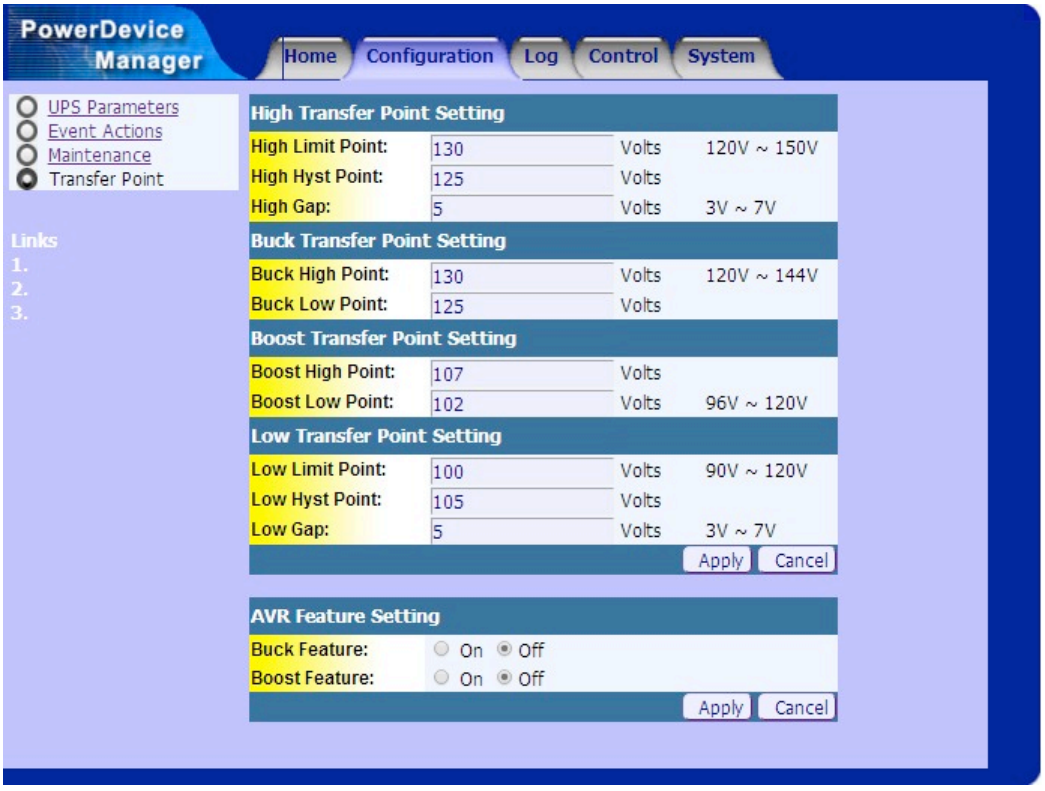
For details, see the corresponding information in the Section 6: Operation – RS-232 / USB Interface in the UPS manual.

.

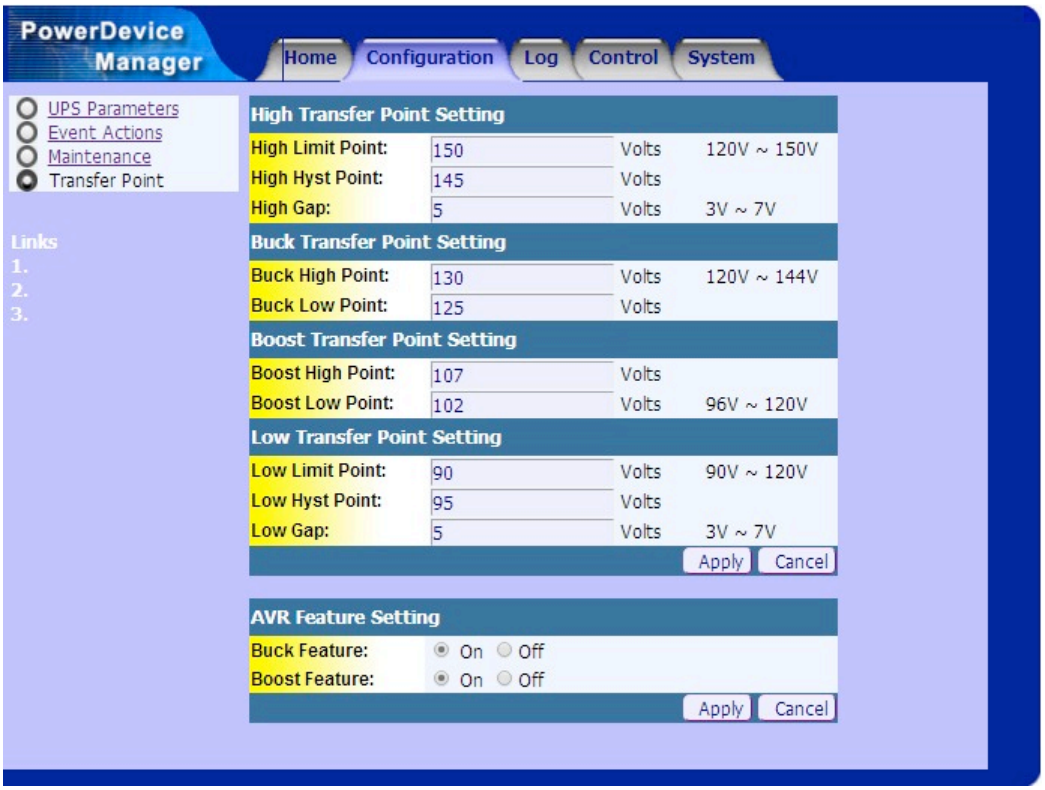
Note the “Change Password” is the RS-232 / USB password (default 1111).

New Password must be four numbers (e.g. 1234).

Configuration – Transfer Point (Buck & Boost OFF)

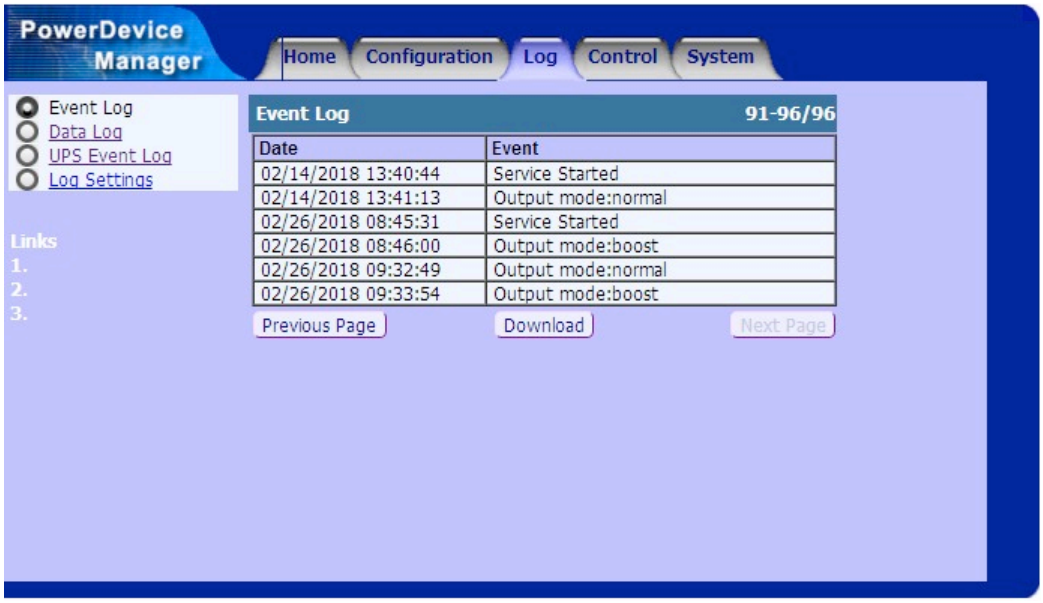


Configuration – Transfer Point (Buck & Boost ON)

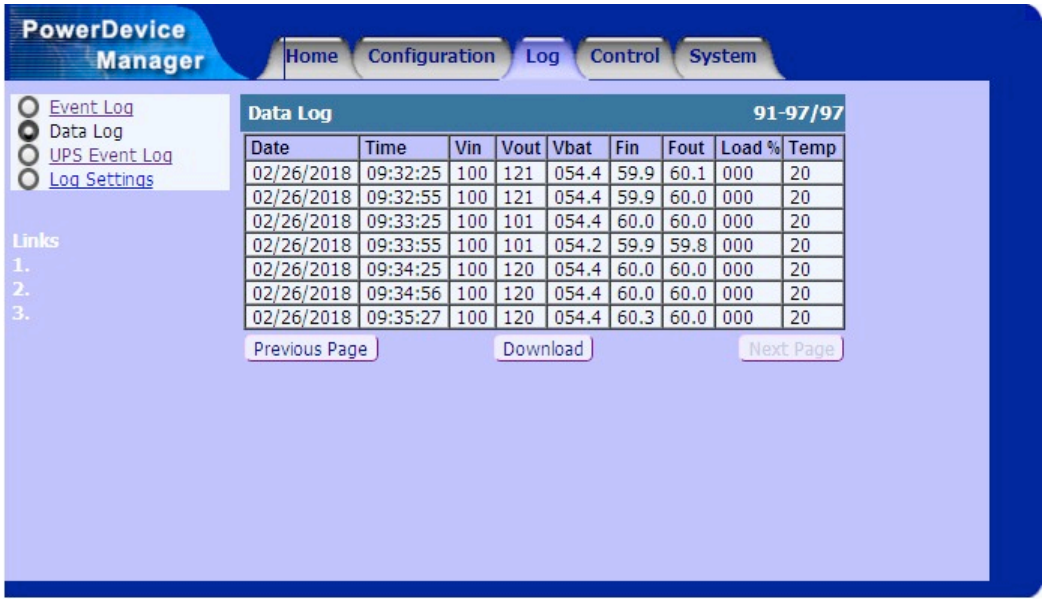


Refresh the browser screen after turning on Buck & Boost to see these settings.
Note the voltage settings change between Buck & Boost ON and Buck & Boost OFF
For details see the corresponding information in the Section 6: Operation – RS-232 / USB Interface in the UPS manual.

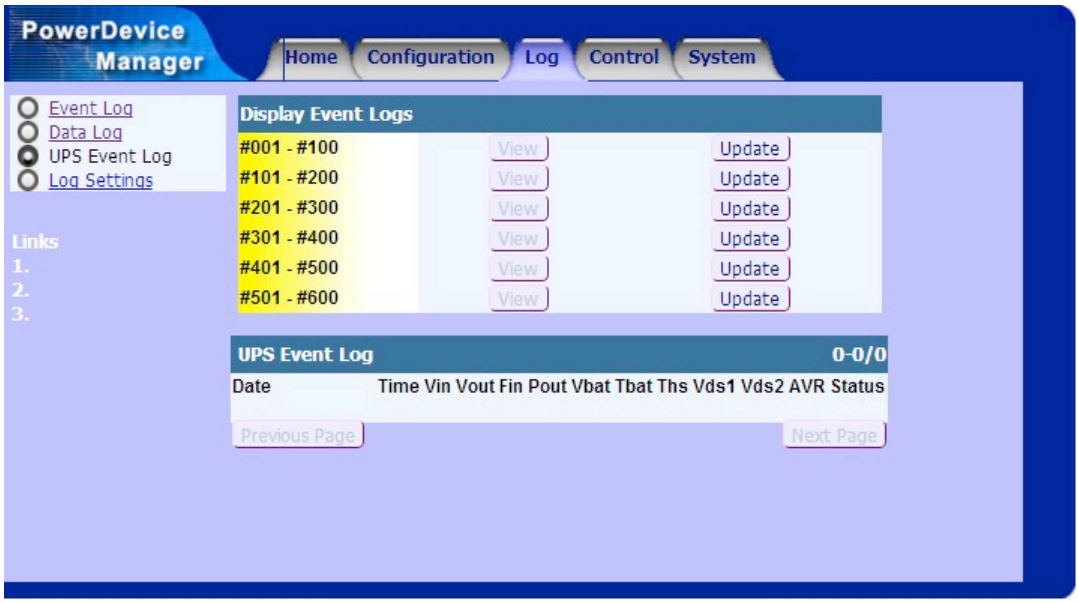
Log – Event Log



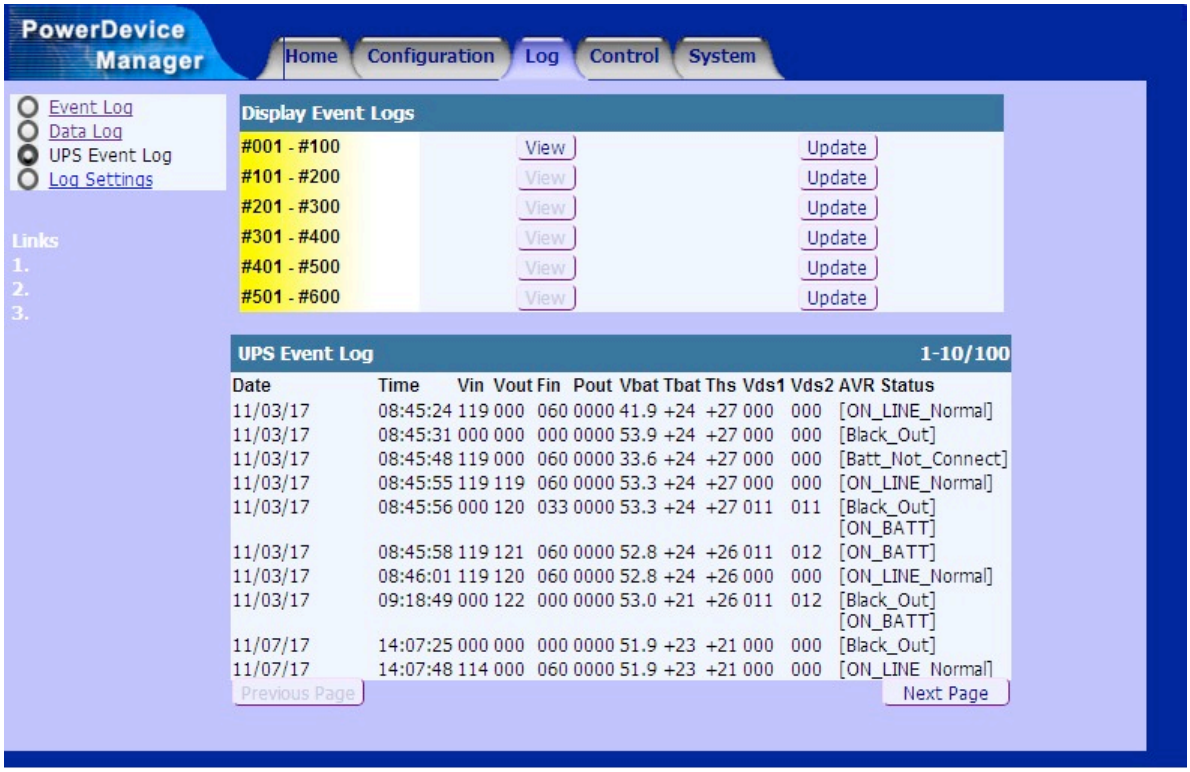
Log – Data Log



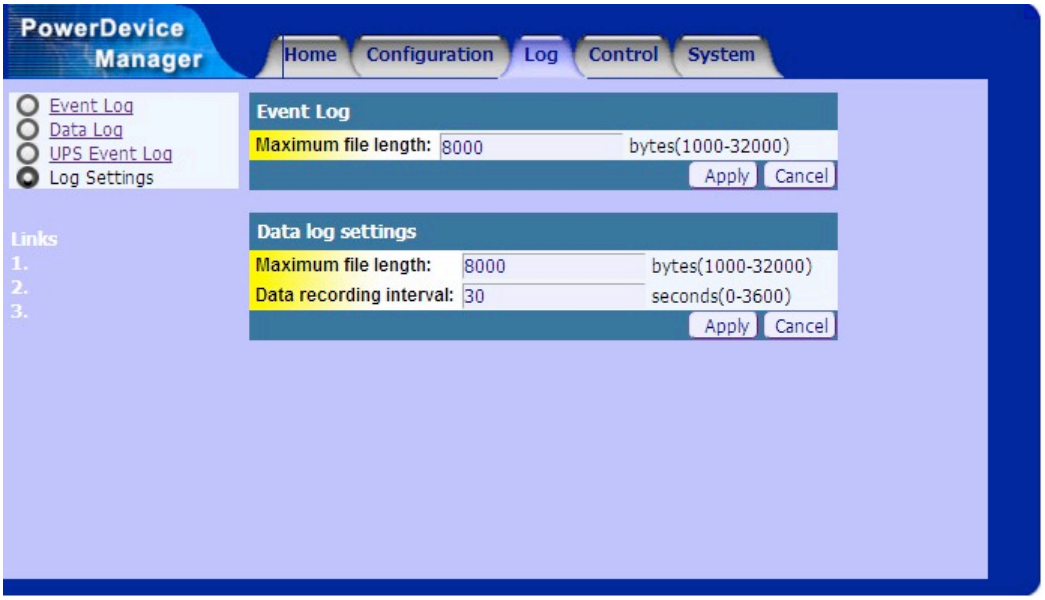
Log – UPS Event Log



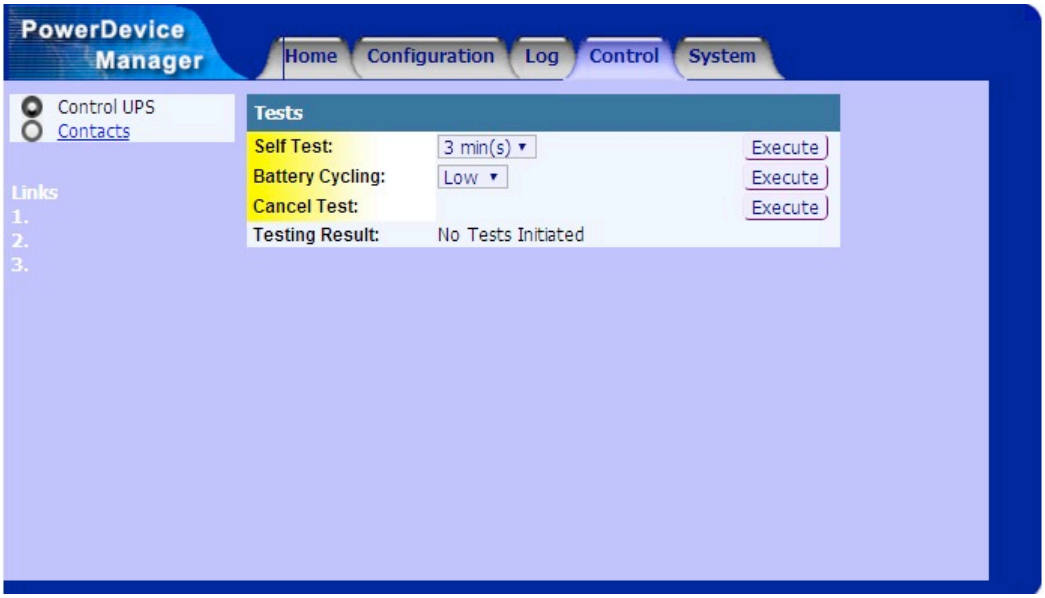
Log – UPS Event Log (click on View)



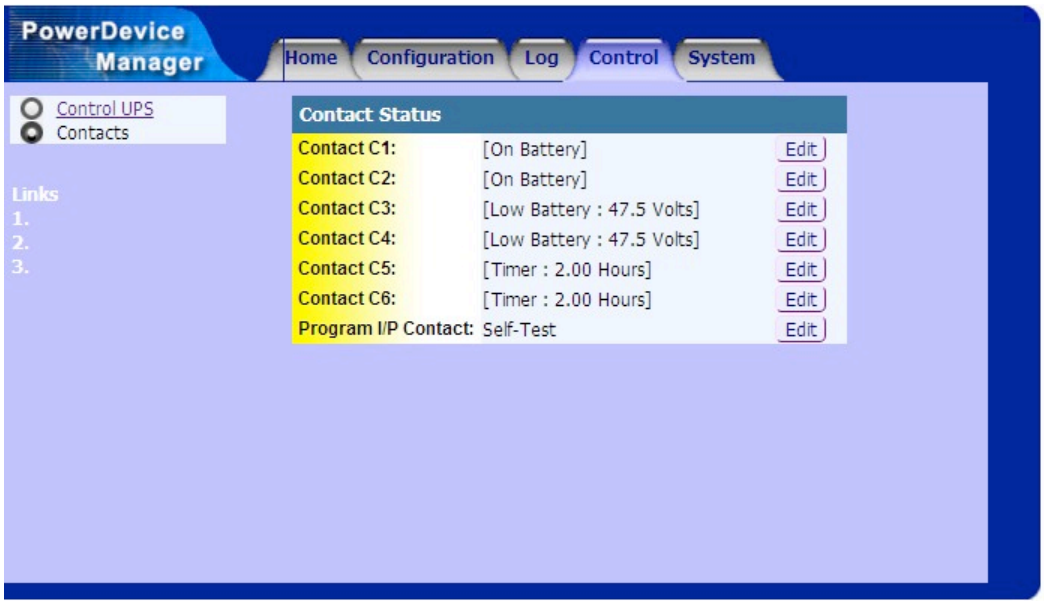
Log – Log Settings



Control – Control UPS

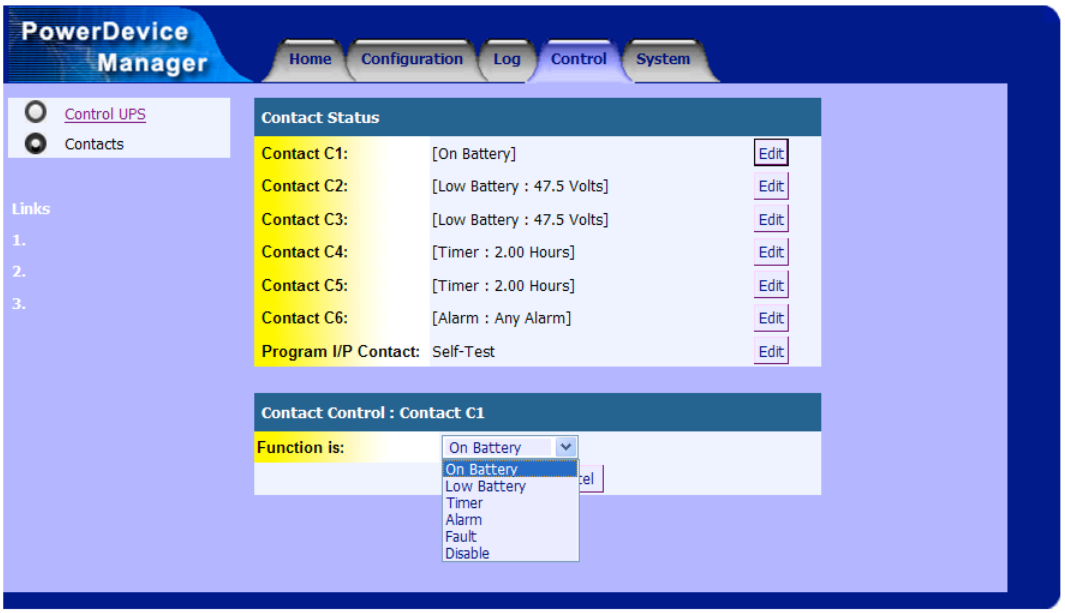


Control – Contacts

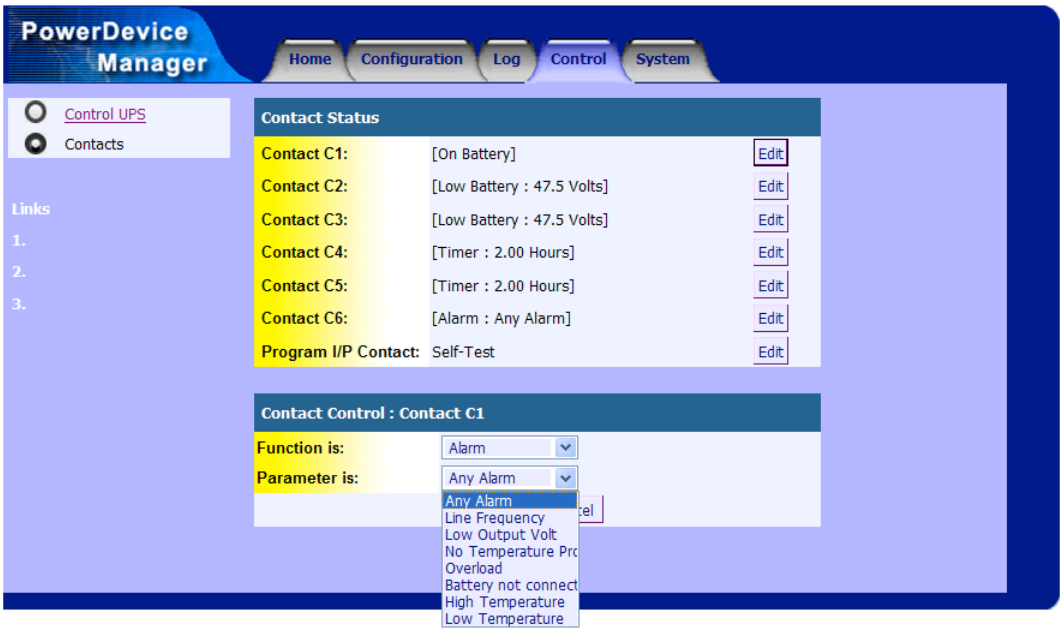


These are the programmable 1 form-C isolated contact closures on the UPS front panel. Also the Program Input contact closure.

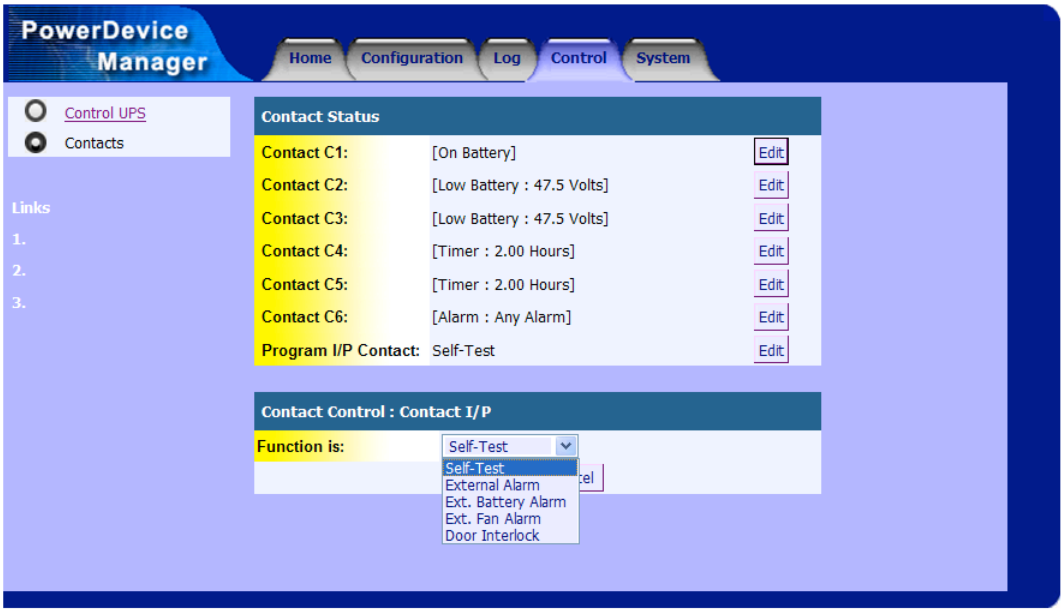
Control – Contacts – Edit Contact C1 (for example)



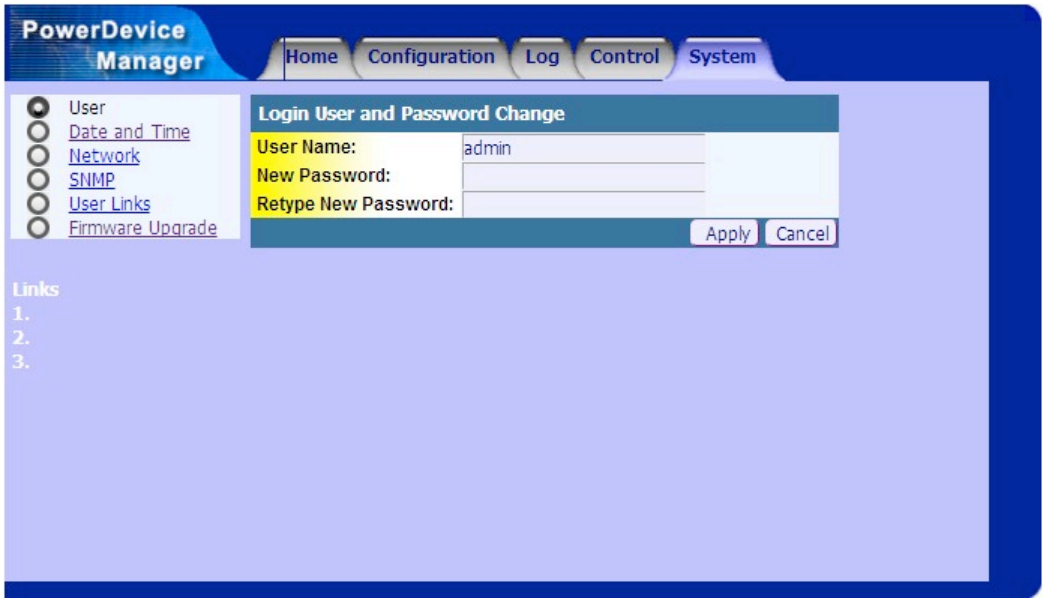
Control – Contacts – Edit Contact C1 (for example) Alarm Menu



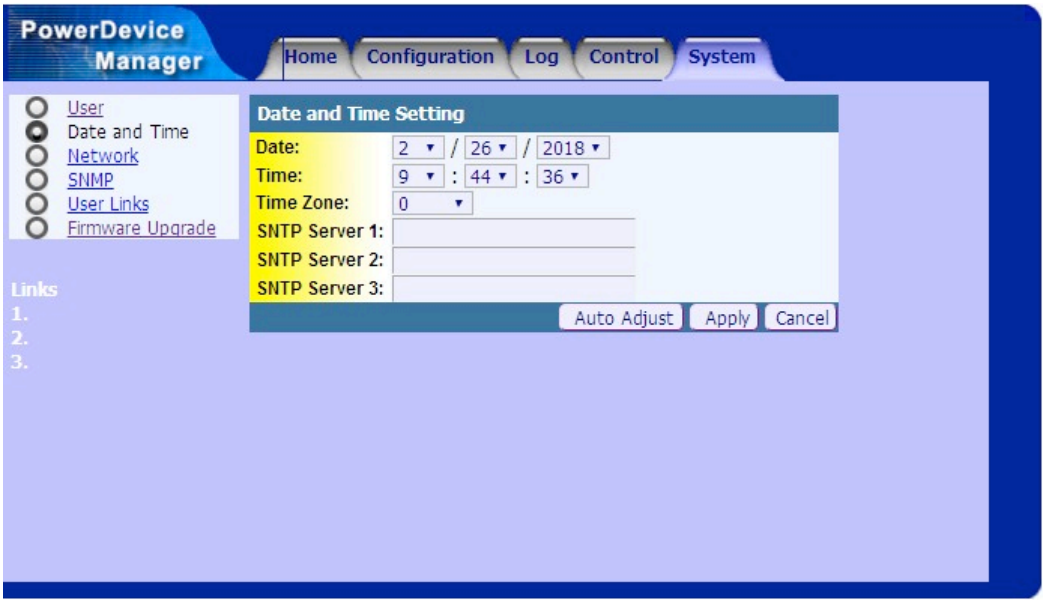
Control – Contacts – Program I/P Contact



System - User



System – Date and Time

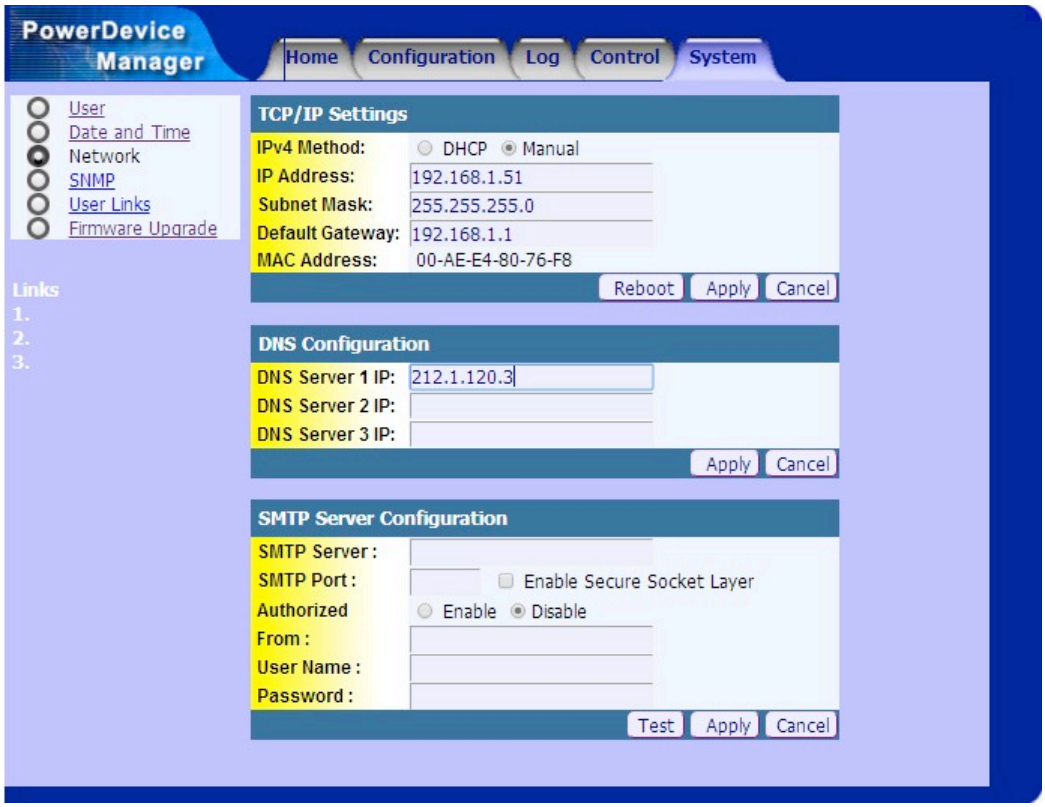


Time Zone: 0 is Greenwich Mean Time.

Correct time zone setting is needed for #DATE-TIME# in Configuration – Event Actions – Event Type setup.

SNTP is the IP address of a Simple Network Time Protocol server.

System – Network



TCP/IP Settings

Here fixed IP address setting examples are shown.

DNS Configuration

Enter the IP addresses of up to three Domain Name Servers. Note that the Ethernet card can be set for DHCP

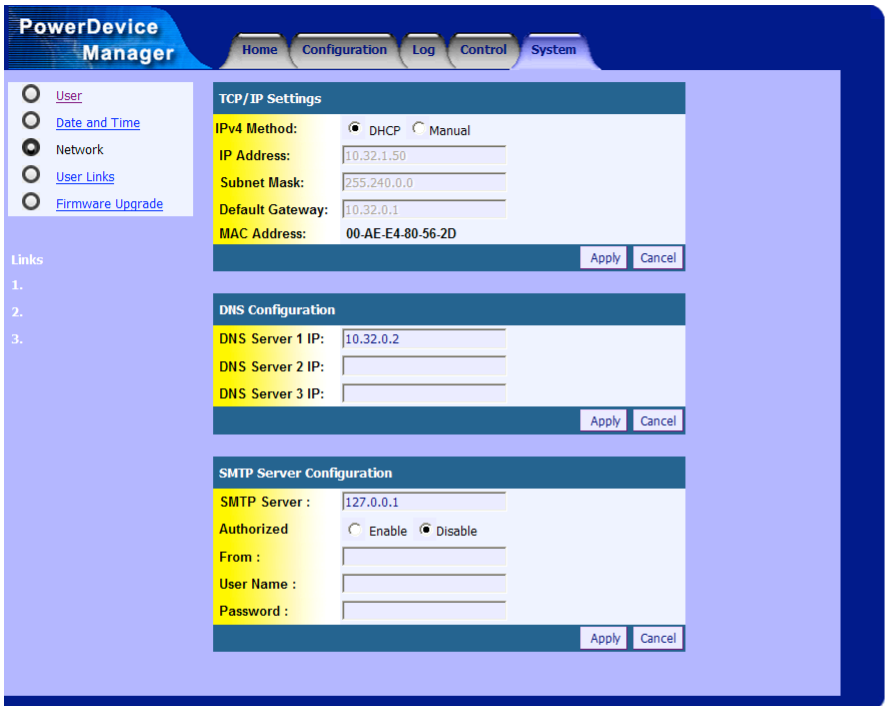
SMTP Server Configuration

Leave “Authorized” Disabled for a simple e-mail setup. This will disable “User Name” and “Password”.

SMTP Server address can be either an IP address or a name address (e.g. mail.mailserver.com).

“From:” is typically a reply-to e-mail address. See #HOSTNAME# information in Configuration – Event Actions to get the UPS location (e.g. Elm St & 3rd Ave) information in the e-mail.

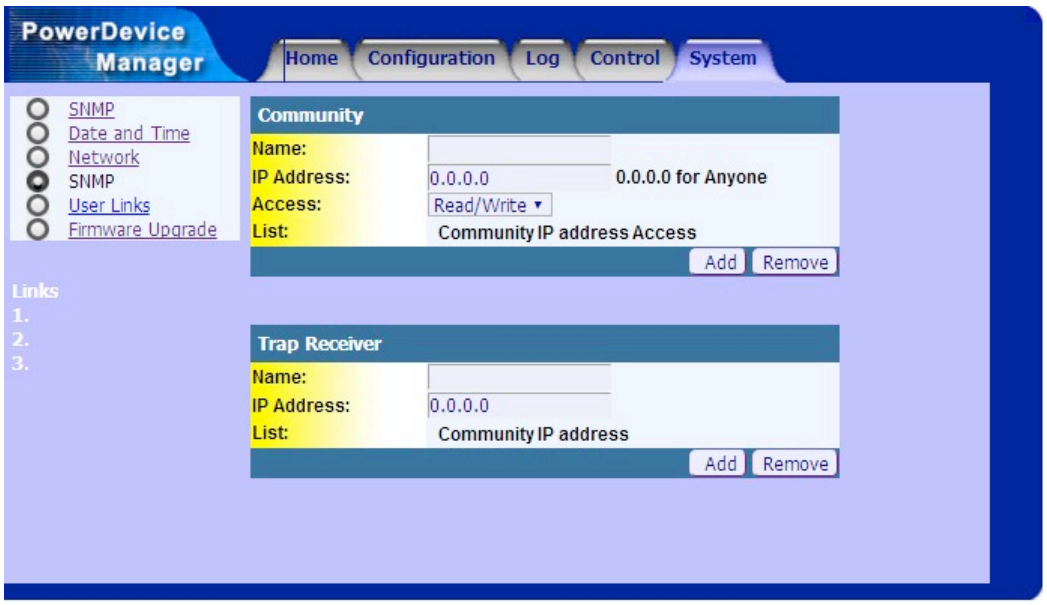
System – Network – DHCP Setting



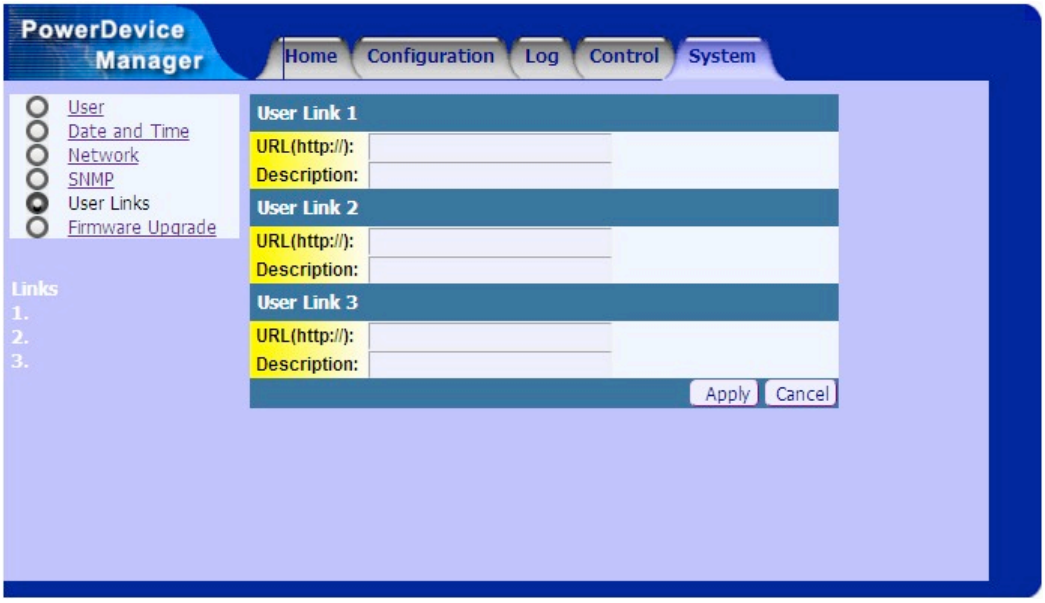
When switching from a fixed IP address (Manual) to DHCP the Ethernet card must be powered down and powered back up for the change to take effect.

See the Telnet menu item #1 DHCP configuration (no power OFF/ON reset needed).

System – SNMP

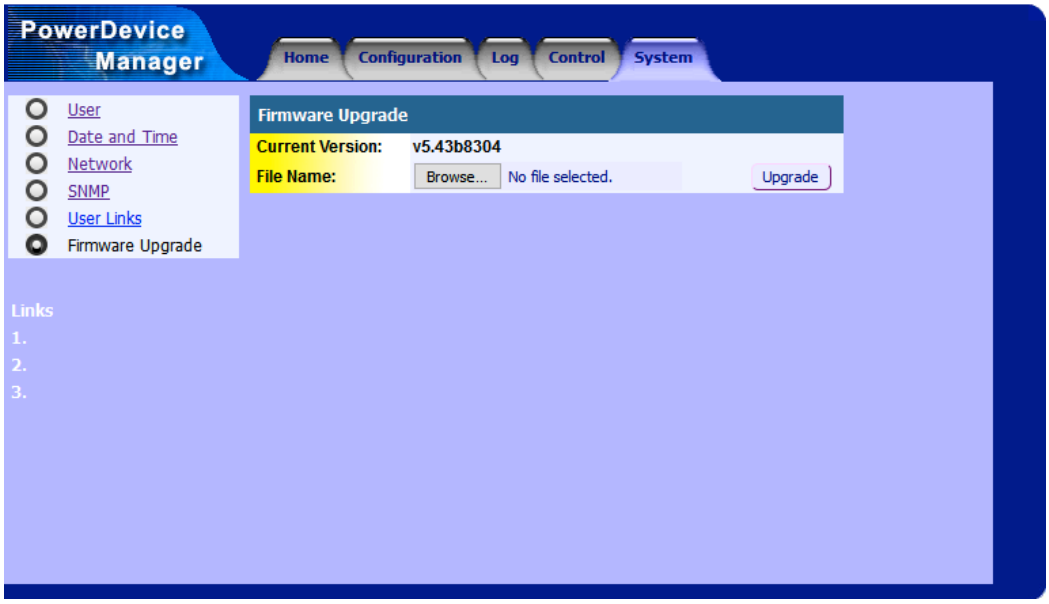


System – User Links



System – Firmware Upgrade

This is a firmware upgrade for the Ethernet card itself.



Restoring the Default Settings

To restore the SNMP card to its factory default settings:

Press and hold the white collar around the Power LED, on the SNMP card's right side, for approximately 10 seconds. During this time, the LED light will turn a solid color and then flicker rapidly. This shows that the card is rebooting and loading the default settings. Stop pressing the white collar at this time.

The default settings are:

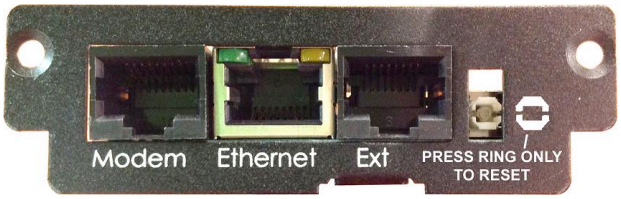
IP Address: 192.168.1.51

Subnet Mask: 255.255.255.0

Default Gateway: 192.168.1.1

Username: admin

Password: user



Limited Three-Year Warranty and Exclusions

Marathon Power warrants to the original purchaser, that this product at the time of its sale by Marathon Power is free of defects in materials and workmanship under normal and proper use for three (3) years (batteries for two (2) years within the USA, Canada and Mexico otherwise one (1) year) from the original purchase date. Marathon Power will correct such defects by repair or replacement, at its option, if within such three year period the product is returned prepaid and all warranty claim instructions are followed. This warranty excludes labor for removal of this product or re-installation and is void if this product is installed improperly or in an improper environment, overloaded, misused, opened, abused or altered in any manner or not in accordance with any labels or instructions. In addition, the warranty does not cover restoration of lost data and re-installation of software. There are no other or implied warranties of any kind, including merchant ability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to three years. Marathon Power is not liable for incidental, indirect, special, or consequential damages, including without limitation, damage to, or loss of use of, any equipment, lost sales or profits or delay or failure to perform this warranty obligation. To file a warranty claim you must take the following steps: Contact Marathon Power, Inc., Attn: Returns, 2538 E. 54th Street, Huntington Park, CA 90255 or call (310) 689-2328 within 30 days of the occurrence. Be prepared to provide detailed information about the event, any damage, the UPS model number, purchase date and location. A Return Authorization Number (RAN) MUST be obtained.

Marathon Power, Inc. 2018

2538 E. 54th Street
Huntington Park, CA 90255
Office: 310-689-2328
Fax: 310-689-2329
support@marathon-power.com
www.marathon-power.com