



# **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**

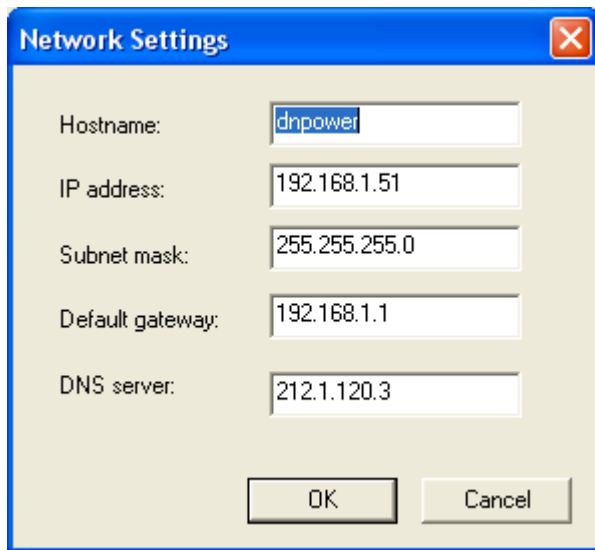
- HP OpenView
- IBM NetView
- Novell NMS
- Sun SunNet Manager
- Other SNMP compatible NMS's

## 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.



The image shows a 'Network Settings' dialog box with a blue title bar and a close button (X) in the top right corner. The dialog contains five input fields for network configuration:

- Hostname: dnpower
- IP address: 192.168.1.51
- Subnet mask: 255.255.255.0
- Default gateway: 192.168.1.1
- DNS server: 212.1.120.3

At the bottom of the dialog are two buttons: 'OK' and 'Cancel'.

**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

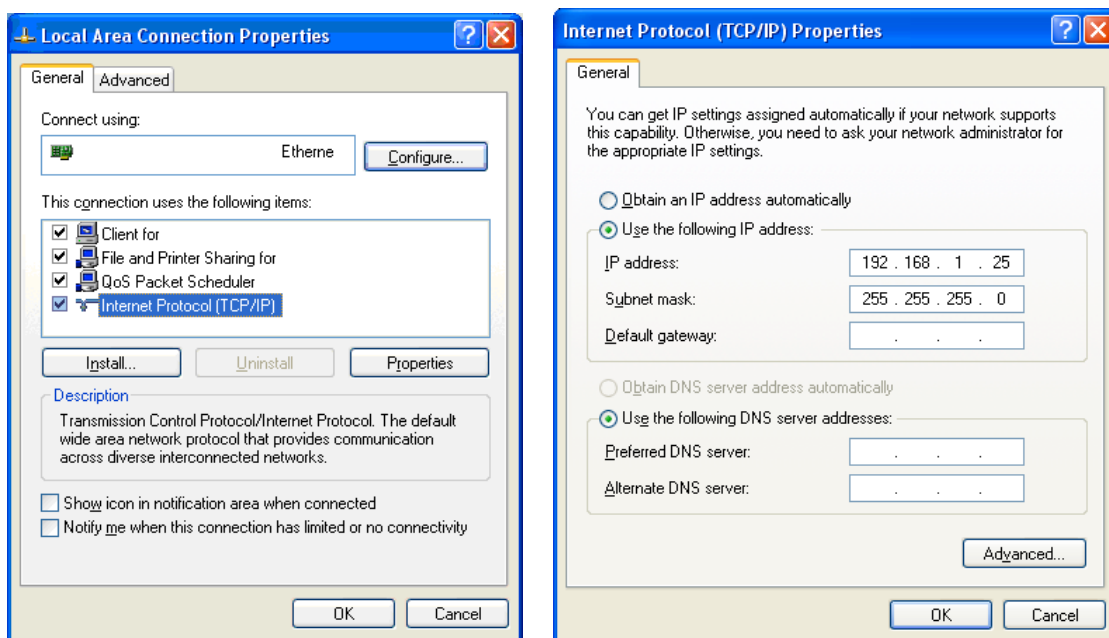
## Connecting Directly to the SNTP Card with an RJ45Cable

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

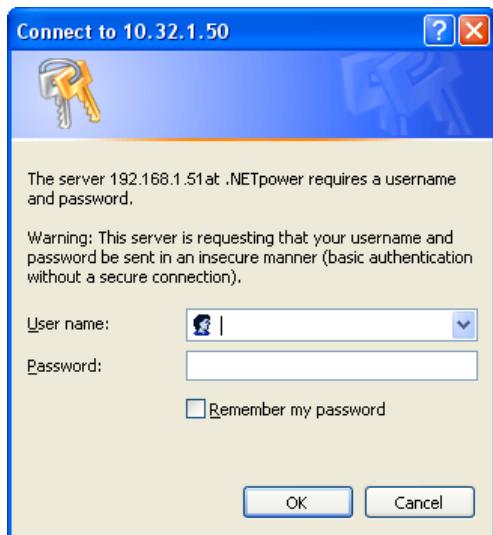
Go to the PC’s Network Connections for these LAN configuration screens.



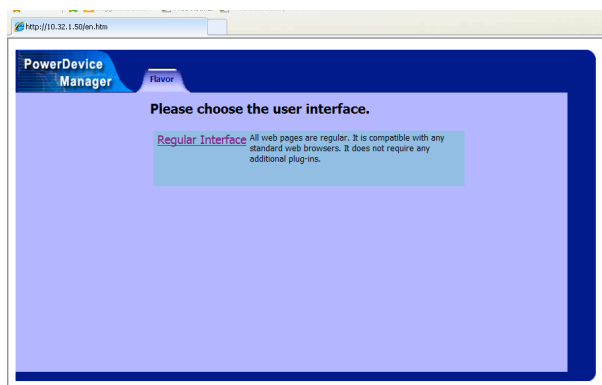
Note - you must have administrator’s access to the PC to access these screens.

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.

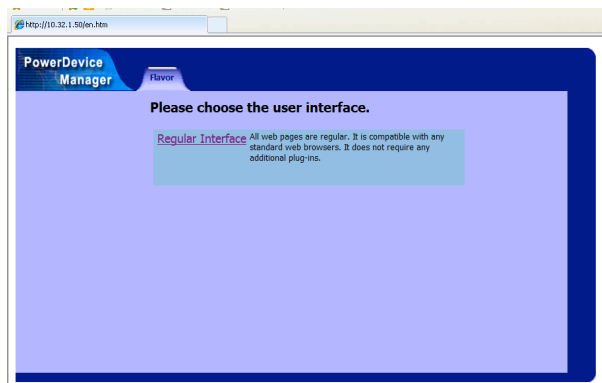


User name: **admin**  
Password: **user**



**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

The screenshot shows the PowerDevice Manager interface. The top navigation bar includes 'Home', 'Configuration', 'Log', 'Control', and 'System'. The left sidebar has a tree view with 'Summary Information' selected, and 'Links' with a list of 1, 2, and 3. The main content area is divided into three sections: 'Summary', 'Contact Status', and 'Event Timers'.

Summary	
Date & Time:	02/26/18 , 09:02:32
Sense Type:	Normal
Line Status:	Boost
Output Status:	Boostmode
External Fan Status:	[NotActivated]
Faults:	NONE
Alarms:	NONE

Contact Status	
Contact C1:	[ONBATT]/[NotActivated]
Contact C2:	[ONBATT]/[NotActivated]
Contact C3:	[LOWBATT:47.5Volts]/[NotActivated]
Contact C4:	[LOWBATT:47.5Volts]/[NotActivated]
Contact C5:	[TIMER:2.00Hours]/[NotActivated]
Contact C6:	[TIMER:2.00Hours]/[NotActivated]
Program I/P Contact:	[Self-test]/[NotActivated]

Event Timers	
Inverter Event:	00003 times
Inverter Timer:	0000 Hours 13 Minutes
Buck Event:	00000 times
Buck Timer:	0000 Hours 00 Minutes
Boost Event:	00002 times
Boost Timer:	0000 Hours 18 Minutes

## Home - UPS Identification Info

The screenshot shows the PowerDevice Manager interface with 'Identification Information' selected in the sidebar. The main content area is divided into two sections: 'Identification Info' and 'Basic Information Settings'.

Identification Info	
Manufacturer:	Marathon Power
Model:	TRTC2002N1
EEPROM Version:	MaP2KV2.1
ID Name:	UPS
Attached:	NA

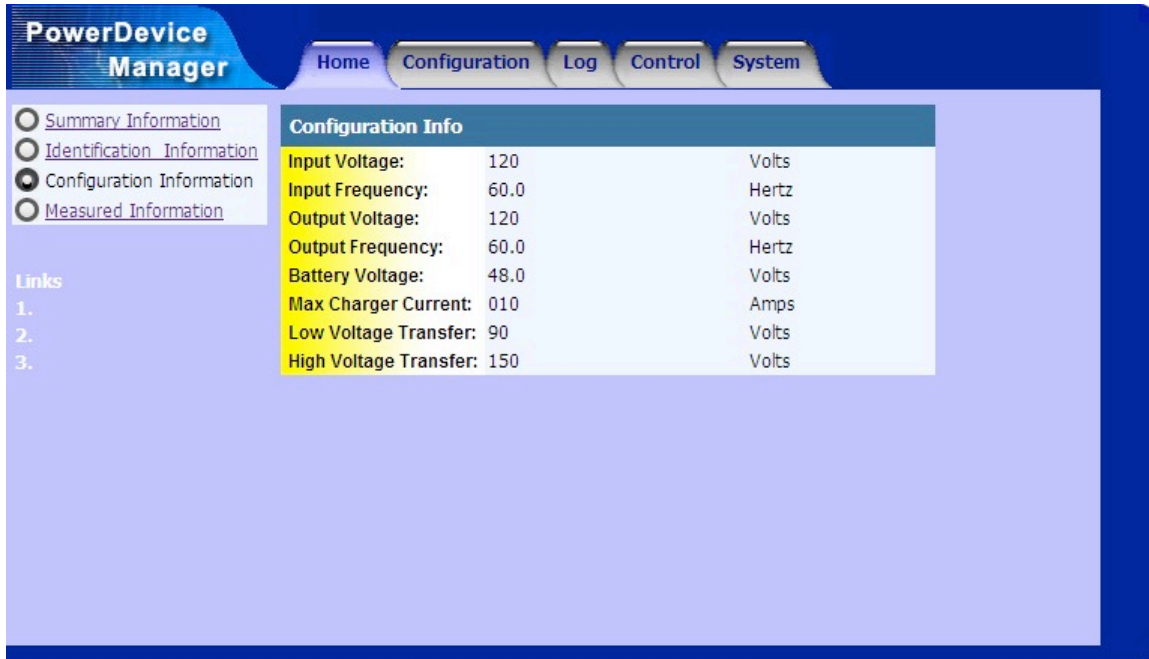
  

Basic Information Settings	
Identification Name:	<input type="text" value="UPS"/>
Attached Device:	<input type="text" value="NA"/>

Buttons: Apply, Cancel

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.

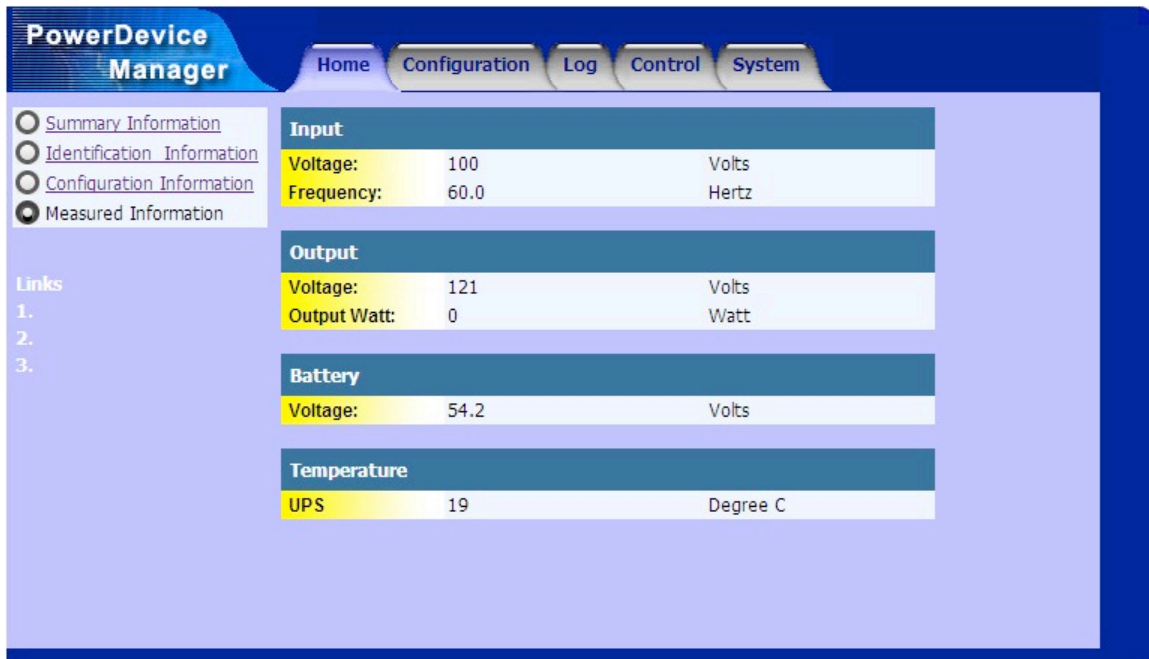
## Home – Configuration Information



The screenshot shows the 'PowerDevice Manager' interface with the 'Configuration' tab selected. The left sidebar contains navigation links: Summary Information, Identification Information, Configuration Information (selected), and Measured Information. Below these are three numbered links. The main content area displays 'Configuration Info' with a table of settings.

Configuration Info		
Input Voltage:	120	Volts
Input Frequency:	60.0	Hertz
Output Voltage:	120	Volts
Output Frequency:	60.0	Hertz
Battery Voltage:	48.0	Volts
Max Charger Current:	010	Amps
Low Voltage Transfer:	90	Volts
High Voltage Transfer:	150	Volts

## Home – Measured Information



The screenshot shows the 'PowerDevice Manager' interface with the 'Configuration' tab selected. The left sidebar contains navigation links: Summary Information, Identification Information, Configuration Information, and Measured Information (selected). Below these are three numbered links. The main content area displays 'Measured Information' with four tables: Input, Output, Battery, and Temperature.

Input		
Voltage:	100	Volts
Frequency:	60.0	Hertz

Output		
Voltage:	121	Volts
Output Watt:	0	Watt

Battery		
Voltage:	54.2	Volts

Temperature		
UPS	19	Degree C



## Configuration – UPS Parameters

The screenshot shows the PowerDevice Manager interface with the Configuration tab selected. The left sidebar contains a navigation menu with 'UPS Parameters' selected. The main content area is divided into three configuration sections:

- Input Configuration:** Input Voltage: 120, Input Frequency: 60.0
- Output Configuration:** Output Voltage: 120, Output Frequency: 60.0
- Misc. Configuration:** Battery Replace Date: 2 / 26 / 2018

Buttons for 'Apply' and 'Cancel' are located at the bottom right of the Misc. Configuration section.

## Configuration – Event Actions

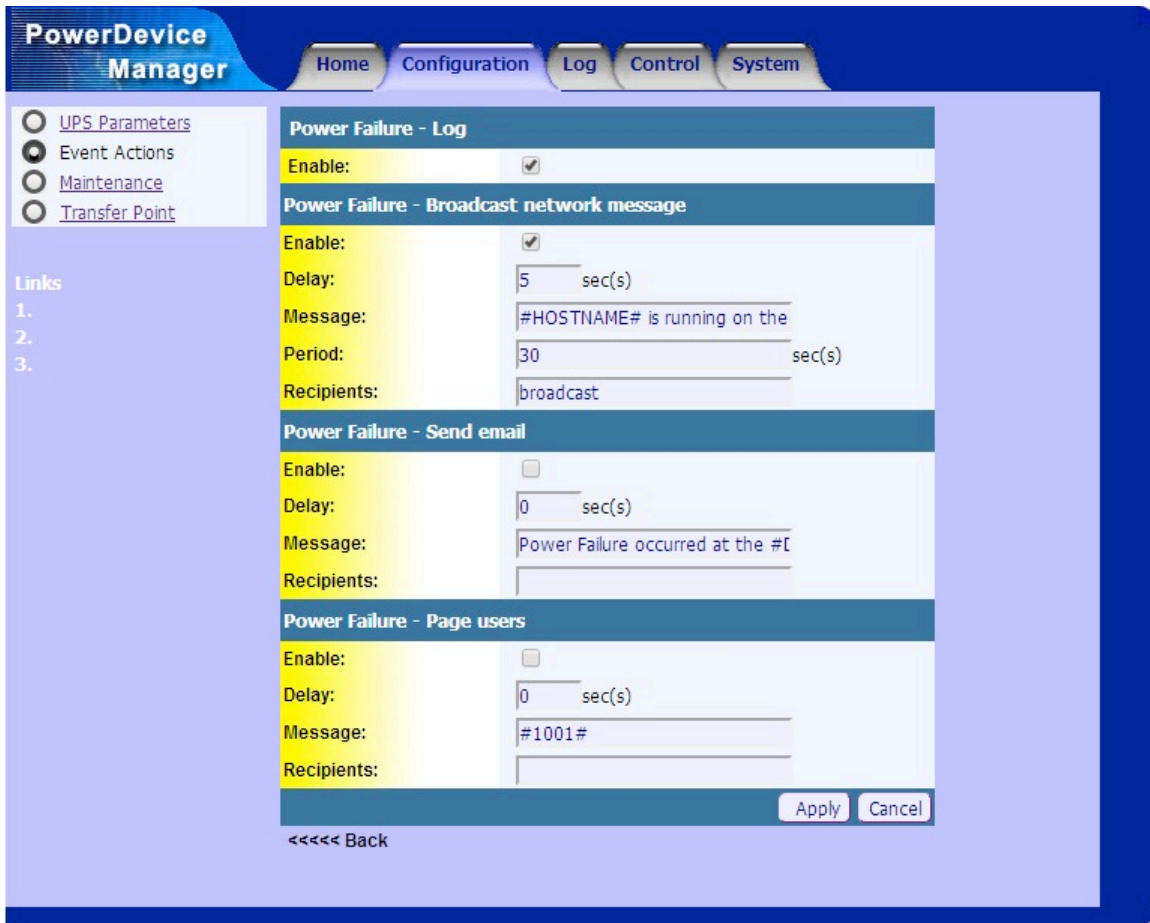
The screenshot shows the PowerDevice Manager interface with the Configuration tab selected. The left sidebar contains a navigation menu with 'Event Actions' selected. The main content area shows the 'Event' configuration section with a dropdown menu for 'Event Type' open, displaying a list of event types:

- Power Failure
- Power Restore
- Batteries Low
- UPS Communication Lost
- UPS Communication Reestablished
- Output Overload
- Output Overload Corrected
- Test In Progress
- Test Completed
- External fan is abnormal
- External fan is normal
- Door interlock is Open

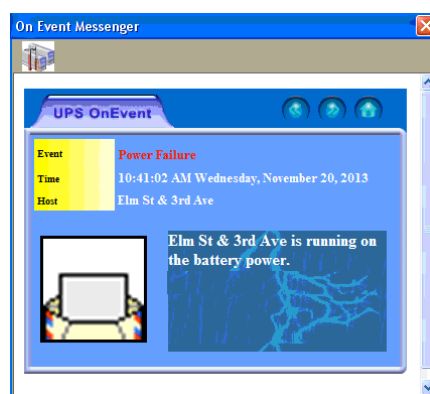
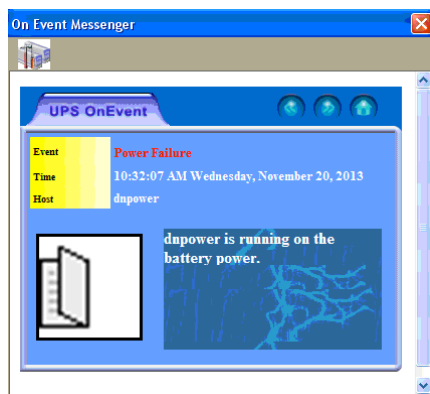
A 'Select' button is located at the bottom right of the dropdown menu.

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

The screenshot shows the 'PowerDevice Manager' interface with the 'Configuration' tab selected. The 'Maintenance' section is active, showing several configuration options:

- Line Qualify Options:** Line Qualify: 3 seconds. Buttons: Apply, Cancel.
- Battery Charging Temperature Compensation:** Compensation value: -3.0 mV/Deg C/Cell. Buttons: Apply, Cancel.
- Battery Voltage Low Warning:** Enter new value: 47.5 Volts. Buttons: Apply, Cancel.
- External Fan On/Off By Temperature:** Temperature set to: 25 Deg C. Buttons: Apply, Cancel.
- Units of Temperature:** Temperature: Degree C. Buttons: Apply, Apply.
- Inverter On/Off:** Inverter switch to: On. Buttons: On, Off.
- Reset The Event/Timer Counters:** Reset The Counters: Reset.
- Change Password:** Current Password: [masked], New Password: [masked]. Buttons: Apply, Cancel.

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)

The screenshot shows the 'PowerDevice Manager' interface with the 'Configuration' tab selected. The 'Transfer Point' option is selected in the left-hand menu. The configuration is divided into several sections:

- High Transfer Point Setting:**
  - High Limit Point: 130 Volts (range 120V ~ 150V)
  - High Hyst Point: 125 Volts
  - High Gap: 5 Volts (range 3V ~ 7V)
- Buck Transfer Point Setting:**
  - Buck High Point: 130 Volts (range 120V ~ 144V)
  - Buck Low Point: 125 Volts
- Boost Transfer Point Setting:**
  - Boost High Point: 107 Volts
  - Boost Low Point: 102 Volts (range 96V ~ 120V)
- Low Transfer Point Setting:**
  - Low Limit Point: 100 Volts (range 90V ~ 120V)
  - Low Hyst Point: 105 Volts
  - Low Gap: 5 Volts (range 3V ~ 7V)
- AVR Feature Setting:**
  - Buck Feature:  On  Off
  - Boost Feature:  On  Off

'Apply' and 'Cancel' buttons are present at the bottom of each main configuration section.

## Configuration – Transfer Point (Buck & Boost ON)

The screenshot shows the 'PowerDevice Manager' interface with the 'Configuration' tab selected. The 'Transfer Point' option is selected in the left-hand menu. The configuration is divided into several sections:

- High Transfer Point Setting:**
  - High Limit Point: 150 Volts (range 120V ~ 150V)
  - High Hyst Point: 145 Volts
  - High Gap: 5 Volts (range 3V ~ 7V)
- Buck Transfer Point Setting:**
  - Buck High Point: 130 Volts (range 120V ~ 144V)
  - Buck Low Point: 125 Volts
- Boost Transfer Point Setting:**
  - Boost High Point: 107 Volts
  - Boost Low Point: 102 Volts (range 96V ~ 120V)
- Low Transfer Point Setting:**
  - Low Limit Point: 90 Volts (range 90V ~ 120V)
  - Low Hyst Point: 95 Volts
  - Low Gap: 5 Volts (range 3V ~ 7V)
- AVR Feature Setting:**
  - Buck Feature:  On  Off
  - Boost Feature:  On  Off

'Apply' and 'Cancel' buttons are present at the bottom of each main configuration section.

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

The screenshot shows the 'Event Log' page in the PowerDevice Manager interface. The page has a navigation bar with 'Home', 'Configuration', 'Log', 'Control', and 'System' tabs. On the left, there is a sidebar with radio buttons for 'Event Log' (selected), 'Data Log', 'UPS Event Log', and 'Log Settings'. Below the sidebar are 'Links' 1, 2, and 3. The main content area displays a table titled 'Event Log' with page number '91-96/96'. The table has two columns: 'Date' and 'Event'. Below the table are buttons for 'Previous Page', 'Download', and 'Next Page'.

Date	Event
02/14/2018 13:40:44	Service Started
02/14/2018 13:41:13	Output mode:normal
02/26/2018 08:45:31	Service Started
02/26/2018 08:46:00	Output mode:boost
02/26/2018 09:32:49	Output mode:normal
02/26/2018 09:33:54	Output mode:boost

### Log – Data Log

The screenshot shows the 'Data Log' page in the PowerDevice Manager interface. The page has a navigation bar with 'Home', 'Configuration', 'Log', 'Control', and 'System' tabs. On the left, there is a sidebar with radio buttons for 'Event Log', 'Data Log' (selected), 'UPS Event Log', and 'Log Settings'. Below the sidebar are 'Links' 1, 2, and 3. The main content area displays a table titled 'Data Log' with page number '91-97/97'. The table has nine columns: 'Date', 'Time', 'Vin', 'Vout', 'Vbat', 'Fin', 'Fout', 'Load %', and 'Temp'. Below the table are buttons for 'Previous Page', 'Download', and 'Next Page'.

Date	Time	Vin	Vout	Vbat	Fin	Fout	Load %	Temp
02/26/2018	09:32:25	100	121	054.4	59.9	60.1	000	20
02/26/2018	09:32:55	100	121	054.4	59.9	60.0	000	20
02/26/2018	09:33:25	100	101	054.4	60.0	60.0	000	20
02/26/2018	09:33:55	100	101	054.2	59.9	59.8	000	20
02/26/2018	09:34:25	100	120	054.4	60.0	60.0	000	20
02/26/2018	09:34:56	100	120	054.4	60.0	60.0	000	20
02/26/2018	09:35:27	100	120	054.4	60.3	60.0	000	20



## Log – UPS Event Log

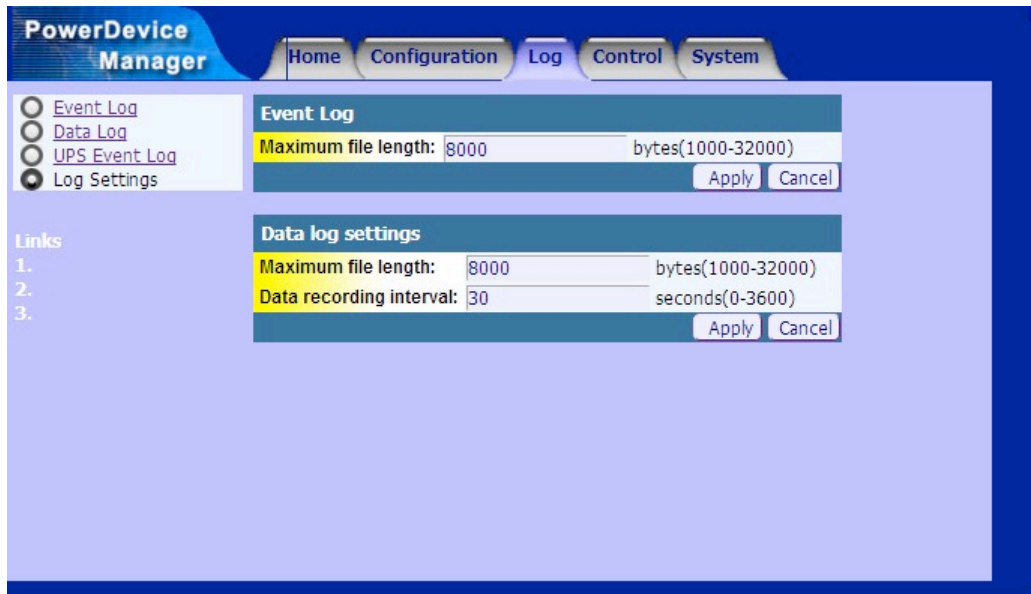
The screenshot shows the PowerDevice Manager interface with the 'Log' tab selected. On the left, there is a navigation menu with radio buttons for 'Event Log', 'Data Log', 'UPS Event Log' (which is selected), and 'Log Settings'. Below this is a 'Links' section with three numbered items. The main content area is titled 'Display Event Logs' and contains a table with six rows representing event log ranges: #001 - #100, #101 - #200, #201 - #300, #301 - #400, #401 - #500, and #501 - #600. Each row has a 'View' button and an 'Update' button. Below this table is a section for the 'UPS Event Log' showing '0-0/0' entries. It includes a table header with columns: Date, Time, Vin, Vout, Fin, Pout, Vbat, Tbat, Ths, Vds1, Vds2, AVR, and Status. At the bottom of this section are 'Previous Page' and 'Next Page' buttons.

## Log – UPS Event Log (click on View)

This screenshot shows the 'UPS Event Log' section after clicking 'View'. The 'Display Event Logs' table is still visible at the top. Below it, the 'UPS Event Log' section shows '1-10/100' entries. The table has the following columns: Date, Time, Vin, Vout, Fin, Pout, Vbat, Tbat, Ths, Vds1, Vds2, AVR, and Status. The data rows show various events from 11/03/17 and 11/07/17, including normal operation, blackouts, and battery connection events.

Date	Time	Vin	Vout	Fin	Pout	Vbat	Tbat	Ths	Vds1	Vds2	AVR	Status
11/03/17	08:45:24	119	000	060	0000	41.9	+24	+27	000	000		[ON_LINE_Normal]
11/03/17	08:45:31	000	000	000	0000	53.9	+24	+27	000	000		[Black_Out]
11/03/17	08:45:48	119	000	060	0000	33.6	+24	+27	000	000		[Batt_Not_Connect]
11/03/17	08:45:55	119	119	060	0000	53.3	+24	+27	000	000		[ON_LINE_Normal]
11/03/17	08:45:56	000	120	033	0000	53.3	+24	+27	011	011		[Black_Out] [ON_BATT]
11/03/17	08:45:58	119	121	060	0000	52.8	+24	+26	011	012		[ON_BATT]
11/03/17	08:46:01	119	120	060	0000	52.8	+24	+26	000	000		[ON_LINE_Normal]
11/03/17	09:18:49	000	122	000	0000	53.0	+21	+26	011	012		[Black_Out] [ON_BATT]
11/07/17	14:07:25	000	000	000	0000	51.9	+23	+21	000	000		[Black_Out]
11/07/17	14:07:48	114	000	060	0000	51.9	+23	+21	000	000		[ON_LINE_Normal]

## Log – Log Settings



The screenshot shows the 'Log Settings' page in the PowerDevice Manager. The navigation tabs at the top are Home, Configuration, Log, Control, and System. On the left, there is a sidebar with radio buttons for 'Event Log', 'Data Log', 'UPS Event Log', and 'Log Settings' (which is selected). Below the sidebar are 'Links' 1, 2, and 3. The main content area has two sections: 'Event Log' and 'Data log settings'. Both sections have a 'Maximum file length' field set to 8000 bytes (range 1000-32000) and an 'Apply' button. The 'Data log settings' section also has a 'Data recording interval' field set to 30 seconds (range 0-3600) and an 'Apply' button.

**PowerDevice Manager**

Home Configuration Log Control System


Event Log  
 Data Log  
 UPS Event Log  
 Log Settings

Links  
1.  
2.  
3.

**Event Log**  
Maximum file length: 8000 bytes(1000-32000) Apply Cancel

**Data log settings**  
Maximum file length: 8000 bytes(1000-32000)  
Data recording interval: 30 seconds(0-3600) Apply Cancel

## Control – Control UPS



The screenshot shows the 'Control UPS' page in the PowerDevice Manager. The navigation tabs at the top are Home, Configuration, Log, Control, and System. On the left, there is a sidebar with radio buttons for 'Control UPS' (which is selected) and 'Contacts'. Below the sidebar are 'Links' 1, 2, and 3. The main content area has a 'Tests' section with three rows: 'Self Test' with a dropdown set to '3 min(s)' and an 'Execute' button; 'Battery Cycling' with a dropdown set to 'Low' and an 'Execute' button; and 'Cancel Test' with an 'Execute' button. Below these is a 'Testing Result' field showing 'No Tests Initiated'.

**PowerDevice Manager**

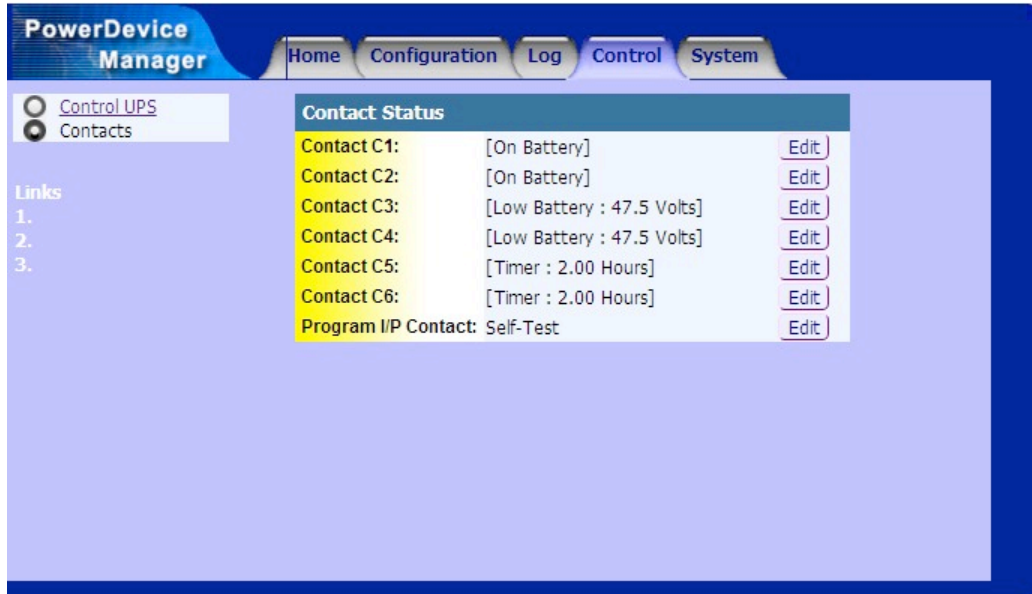
Home Configuration Log Control System

Control UPS  
 Contacts

Links  
1.  
2.  
3.

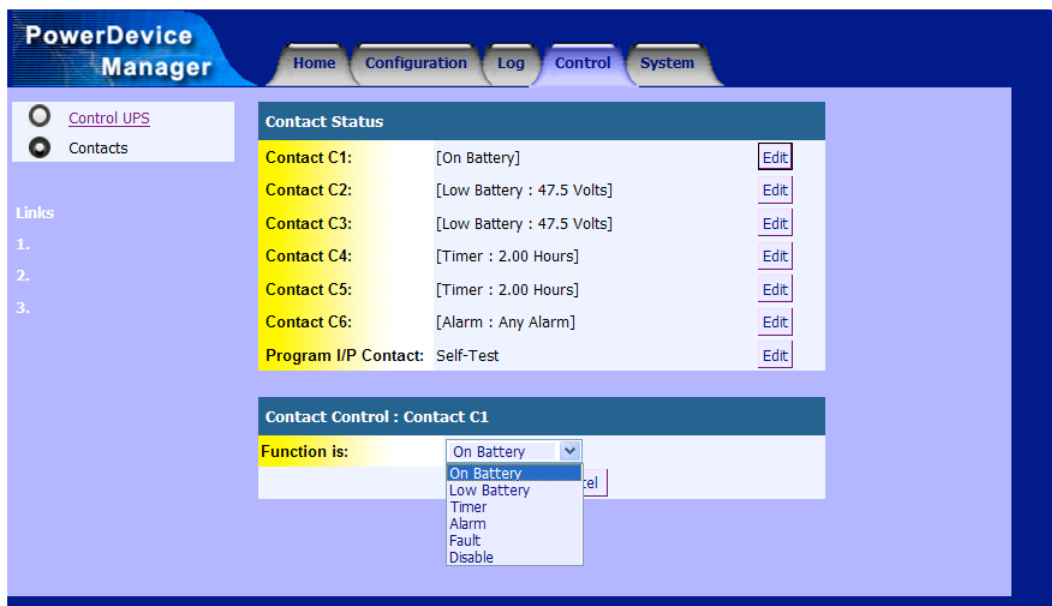
**Tests**  
Self Test: 3 min(s) Execute  
Battery Cycling: Low Execute  
Cancel Test: Execute  
Testing Result: No Tests Initiated

## 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

The screenshot shows the PowerDevice Manager interface. The top navigation bar includes Home, Configuration, Log, Control, and System. The left sidebar has 'Control UPS' and 'Contacts' options. The main content area is divided into two sections: 'Contact Status' and 'Contact Control : Contact C1'.

**Contact Status**

Contact	Status	Action
Contact C1:	[On Battery]	<a href="#">Edit</a>
Contact C2:	[Low Battery : 47.5 Volts]	<a href="#">Edit</a>
Contact C3:	[Low Battery : 47.5 Volts]	<a href="#">Edit</a>
Contact C4:	[Timer : 2.00 Hours]	<a href="#">Edit</a>
Contact C5:	[Timer : 2.00 Hours]	<a href="#">Edit</a>
Contact C6:	[Alarm : Any Alarm]	<a href="#">Edit</a>
Program I/P Contact:	Self-Test	<a href="#">Edit</a>

**Contact Control : Contact C1**

Function is:

Parameter is:

- Any Alarm
- Line Frequency
- Low Output Volt
- No Temperature Pr
- Overload
- Battery not connect
- High Temperature
- Low Temperature

## Control – Contacts – Program I/P Contact

The screenshot shows the PowerDevice Manager interface. The top navigation bar includes Home, Configuration, Log, Control, and System. The left sidebar has 'Control UPS' and 'Contacts' options. The main content area is divided into two sections: 'Contact Status' and 'Contact Control : Contact I/P'.

**Contact Status**

Contact	Status	Action
Contact C1:	[On Battery]	<a href="#">Edit</a>
Contact C2:	[Low Battery : 47.5 Volts]	<a href="#">Edit</a>
Contact C3:	[Low Battery : 47.5 Volts]	<a href="#">Edit</a>
Contact C4:	[Timer : 2.00 Hours]	<a href="#">Edit</a>
Contact C5:	[Timer : 2.00 Hours]	<a href="#">Edit</a>
Contact C6:	[Alarm : Any Alarm]	<a href="#">Edit</a>
Program I/P Contact:	Self-Test	<a href="#">Edit</a>

**Contact Control : Contact I/P**

Function is:

- Self-Test
- External Alarm
- Ext. Battery Alarm
- Ext. Fan Alarm
- Door Interlock

## System - User

The screenshot shows the PowerDevice Manager interface with the 'System' tab selected. The left sidebar contains a menu with 'User' selected. The main content area displays the 'Login User and Password Change' form. The form has three input fields: 'User Name' with the value 'admin', 'New Password', and 'Retype New Password'. There are 'Apply' and 'Cancel' buttons at the bottom right of the form. Below the form, there is a 'Links' section with a numbered list (1, 2, 3).

## System – Date and Time

The screenshot shows the PowerDevice Manager interface with the 'System' tab selected. The left sidebar contains a menu with 'Date and Time' selected. The main content area displays the 'Date and Time Setting' form. The form has several input fields: 'Date' (2 / 26 / 2018), 'Time' (9 : 44 : 36), 'Time Zone' (0), 'SNTP Server 1', 'SNTP Server 2', and 'SNTP Server 3'. There are 'Auto Adjust', 'Apply', and 'Cancel' buttons at the bottom right of the form. Below the form, there is a 'Links' section with a numbered list (1, 2, 3).

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

The screenshot shows the PowerDevice Manager web interface. The top navigation bar includes 'Home', 'Configuration', 'Log', 'Control', and 'System'. The left sidebar has a tree view with 'User' selected, and other options like 'Date and Time', 'Network', 'SNMP', 'User Links', and 'Firmware Upgrade'. Below the sidebar are 'Links' numbered 1, 2, and 3. The main content area is divided into three sections: 'TCP/IP Settings', 'DNS Configuration', and 'SMTP Server Configuration'. Each section has input fields and buttons for 'Apply', 'Cancel', and 'Reboot' (for TCP/IP) or 'Test' (for SMTP).

TCP/IP Settings	
IPv4 Method:	<input type="radio"/> DHCP <input checked="" type="radio"/> Manual
IP Address:	192.168.1.51
Subnet Mask:	255.255.255.0
Default Gateway:	192.168.1.1
MAC Address:	00-AE-E4-80-76-F8
<input type="button" value="Reboot"/> <input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

DNS Configuration	
DNS Server 1 IP:	212.1.120.3
DNS Server 2 IP:	
DNS Server 3 IP:	
<input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

SMTP Server Configuration	
SMTP Server :	
SMTP Port :	<input type="checkbox"/> Enable Secure Socket Layer
Authorized :	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
From :	
User Name :	
Password :	
<input type="button" value="Test"/> <input type="button" value="Apply"/> <input type="button" value="Cancel"/>	

### 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

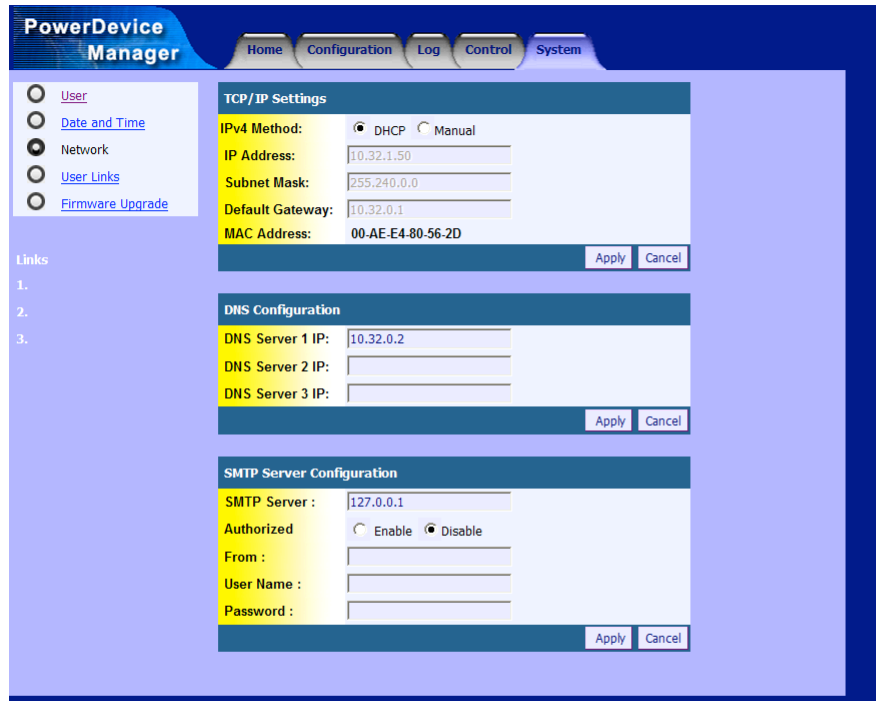
### SMTP Server Configuration

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 & 3<sup>rd</sup> Ave ) information in the e-mail.

## System – Network – DHCP Setting

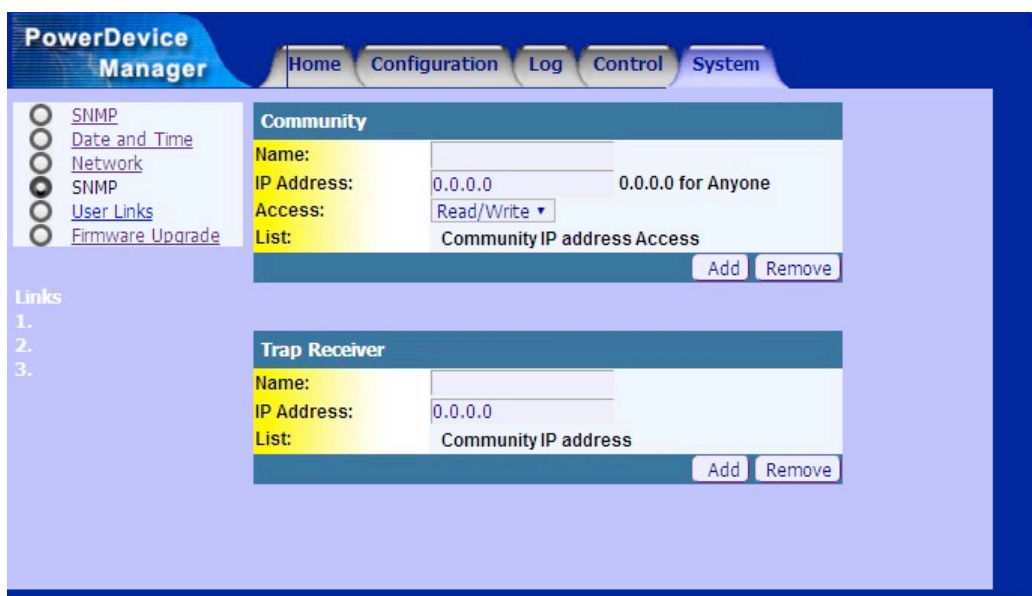


The screenshot shows the PowerDevice Manager interface with the 'System' tab selected. The left sidebar contains navigation links: User, Date and Time, Network, User Links, and Firmware Upgrade. The main content area is divided into three sections: TCP/IP Settings, DNS Configuration, and SMTP Server Configuration. In the TCP/IP Settings section, the IPv4 Method is set to DHCP. The IP Address is 10.32.1.50, Subnet Mask is 255.240.0.0, Default Gateway is 10.32.0.1, and MAC Address is 00-AE-E4-80-56-2D. The DNS Configuration section shows DNS Server 1 IP as 10.32.0.2. The SMTP Server Configuration section shows the SMTP Server as 127.0.0.1, Authorized as Disabled, and empty fields for From, User Name, and Password. Each section has 'Apply' and 'Cancel' buttons.

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



The screenshot shows the PowerDevice Manager interface with the 'System' tab selected. The left sidebar contains navigation links: SNMP, Date and Time, Network, SNMP, User Links, and Firmware Upgrade. The main content area is divided into two sections: Community and Trap Receiver. The Community section shows a Name field, IP Address set to 0.0.0.0 (with a note '0.0.0.0 for Anyone'), Access set to Read/Write, and List set to Community IP address Access. The Trap Receiver section shows a Name field, IP Address set to 0.0.0.0, and List set to Community IP address. Both sections have 'Add' and 'Remove' buttons.

## System – User Links

The screenshot shows the 'PowerDevice Manager' interface with the 'System' tab selected. On the left, a navigation menu lists 'User', 'Date and Time', 'Network', 'SNMP', 'User Links', and 'Firmware Upgrade', with 'User Links' selected. The main content area is titled 'User Link 1' and contains three identical sections for 'User Link 1', 'User Link 2', and 'User Link 3'. Each section has a 'URL(http://):' field and a 'Description:' field. At the bottom right, there are 'Apply' and 'Cancel' buttons. Below the navigation menu, there is a 'Links' section with a list containing '1.', '2.', and '3.'.

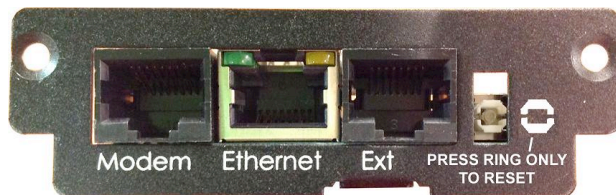
## System – Firmware Upgrade

This is a  
firmware  
upgrade  
for the  
Ethernet  
card  
itself.

The screenshot shows the 'PowerDevice Manager' interface with the 'System' tab selected. On the left, a navigation menu lists 'User', 'Date and Time', 'Network', 'SNMP', 'User Links', and 'Firmware Upgrade', with 'Firmware Upgrade' selected. The main content area is titled 'Firmware Upgrade' and displays 'Current Version: v5.43b8304'. Below this, there is a 'File Name:' field with a 'Browse...' button and the text 'No file selected.'. An 'Upgrade' button is located to the right. Below the navigation menu, there is a 'Links' section with a list containing '1.', '2.', and '3.'.

## Restoring the Default Settings

Ethernet card hard reset for regaining the Ethernet card default settings.



1. Power down the UPS.
2. Press and hold the collar around the LED on the Ethernet card front panel LED.
3. While pressing & holding the collar, power up the UPS. Continue holding the collar for ~10 seconds. The LED light will turn a solid color and then flicker rapidly. This shows that the card is rebooting and loading the default settings.

## 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.





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