TrippLite® UPS
Attaching TrippLite UPS to a Server

1 Overview....2

2 Connecting the UPS....2

3 Getting the Software....2
- 3.1 Getting Sun Java....2
- 3.2 Getting PowerAlert....3

4 Installing PowerAlert v12.4.40 (or higher)....3

5 Configuring PowerAlert Console Software....4
- 5.1 Adding a New Device....6
- 5.2 System Options....7
  - 5.2.1 Broadcast Settings....7
  - 5.2.2 Discovery Settings....7
- 5.3 Events....8
  - 5.3.1 Setting Default Shutdown time....8
  - 5.3.2 Configuring Event Logging....9
- 5.4 Contacts (optional)....9
  - 5.4.1 Contacts and SMTP Settings....9
  - 5.4.2 Email Notifications (Optional)....10
  - 5.4.3 Default Kodak Workflow Event Settings....11

6 Remote Monitoring PowerAlert's UPS Device....12

7 Launching PowerAlert Online Help....12

8 Replacing APC PowerChute with TrippLite's PowerAlert....13
- 8.1 Removing APC PowerChute Business Edition Software....13
- 8.2 Installing TrippLite PowerAlert Software....13

1 OVERVIEW

This will describe how to attach a TrippLite UPS to a System with PowerAlert already installed from the factory.

For support contact TrippLite Customer Support at **(773) 869-1234** (for Technical Support). For all other online support information visit:
http://www.tripplite.com/about/contact/support.cfm?form=post

This document covers Windows® 2000, Windows XP, and Windows 2003 only.

2 CONNECTING THE UPS

All WorkFlow servers with the TrippLite UPS's come with 1 or more USB ports for communicating with the PowerAlert software (i.e. some UPS models come with a total of 4 interface ports, 2 USB & 2 serial, therefore, up to 4 servers can be interfaced to the UPS without having to add additional interface card like the APC line of UPS).

Connect any one of the USB or serial port from the UPS to any open USB or serial port on the Server and the PowerAlert software will discover and add the UPS device to the management agent to allow any one of the 4 connected servers to configure the software.

The maximum number of devices that can connect to the UPS will depend on the sum of the VA requirements of each of the devices (found in the Site Prep doc 72-2125 located in the Procedures of any server section in Tech Planet). The sum of the VA of the devices must not exceed 80% of the UPS's VA rating.

3 GETTING THE SOFTWARE

3.1 Getting Sun Java

PowerAlert requires the SunJava runtime library be installed. Many Kodak workflows include SunJava (i.e. InSite, TeamWorks, etc). Embedded Java engines (i.e. Prinergy, Evo) are not sufficient to drive the PowerAlert. To check your system is JRE compliant do the following:

1) With IExplorer go to www.Java.com and select **Verify Installation**. Then select the **Verify Installation** button.

2) Verify that the **Vendor = Sun** and the version is equal or better then **1.6**. If it is then skip to the next section.

3) Go to at http://www.java.com/en/ and select **Manual Download**. Select **Windows Offline Installation**. Save to a temporary location.

4) Run the installer, whether doing a fresh install or upgrade. Choose **Typical Install** and follow the prompts. **Reboot** the Server after completing the installation.

3.2 Getting PowerAlert

The current (as of this writing) version 12.4.40 of the Tripplite PowerAlert software is included on a PowerAlert CD with the UPS, from TechPlanet or TrippLite's support website.

1) With your Internet Browser go to http://www.tripplite.com/support/download/index.cfm

2) Select the latest version (12.4.40 as of this writing) listed and click on the Download link to start download the software installation file.

4 INSTALLING POWERALERT V12.4.40 (OR HIGHER)

As of this writing, the minimum known good working versions of the JRE Update & PowerAlert Software is JRE 6 Update 3 & PowerAlert 12.04.40 (Listed as **PowerAlert - V12.4.x** on the Tripplite's Software download webpage, with the P**owerAlertLocal040windows.exe** executable file size of 14MB).

1) Double-click the **poweralert*.exe** to start the installation of the PowerAlert software.

2) Click <**Next**> at the **Important Notes** screen. Wait for the file extraction to complete.

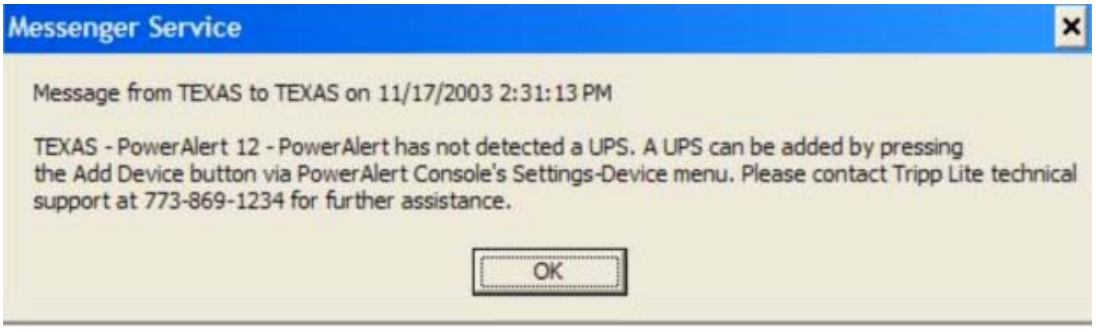
3) Hit **<Next>** to the **Welcome** screen.

4) If you agree to the terms of the EULA, Select to accept the **End-User License Agreement (EULA)** option & Click <**Next**> to continue the installation.

5) Click <**Next**> at the File Location prompt to start file copying.

6) At the Optional Settings window ensure **all** options are selected and hit **<Next>**.

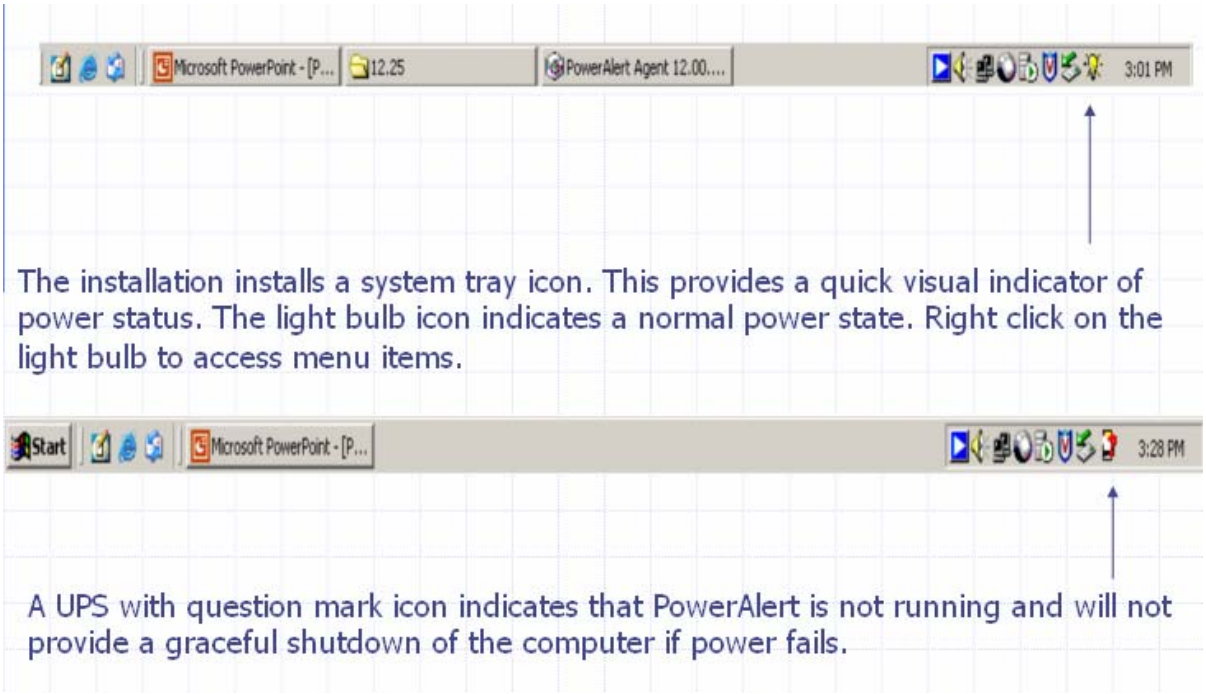
7) PowerAlert software will attempt to detect the UPS hardware, if no UPS is connected at this time, you should see the pop-up message below:



Note: The UPS device can be added to PowerAlert software later when it's connected to the server using. Hit **<Ok>**.

8) Click <**Finish**> at the software installation Finished screen.

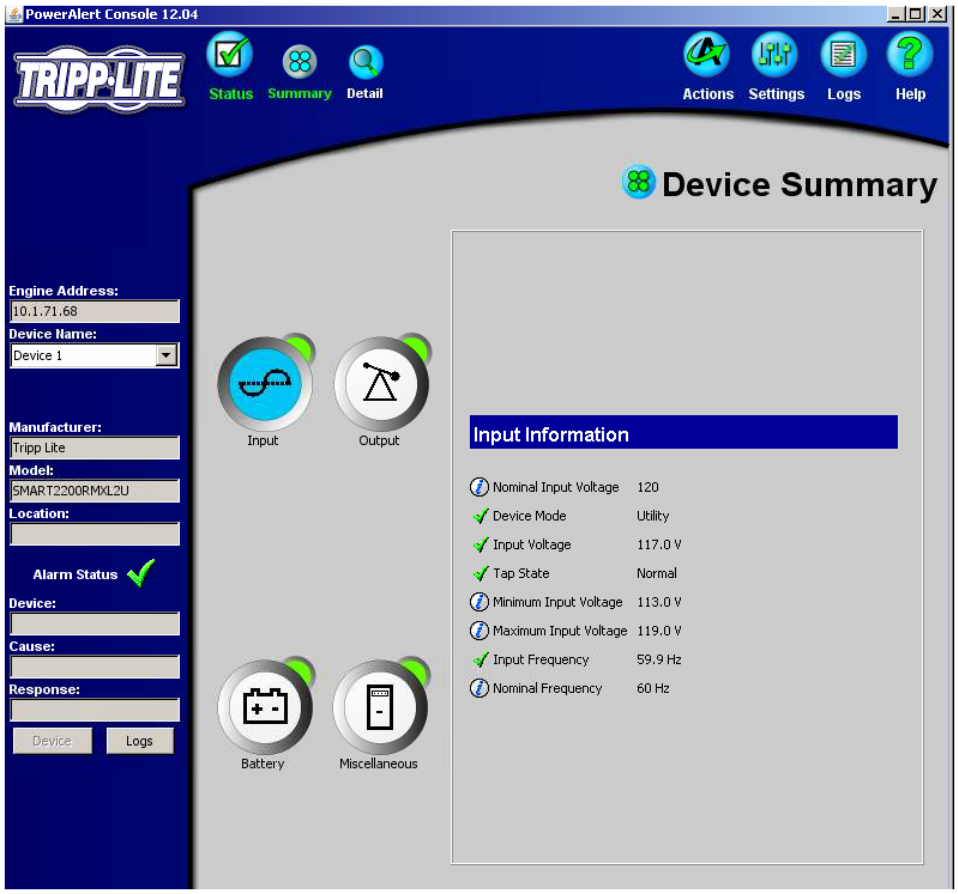
9) PowerAlert Software installation is completed. The user can verify the software status as illustrated below:



5 CONFIGURING POWERALERT CONSOLE SOFTWARE

PowerAlert v12.4 installation will install a Java application, PowerAlert Console, which is used to configure, manage and monitor the attached UPS system.

1) Launch the PowerAlert Console by right-clicking on the light bulb and selecting "**Launch PowerAlert console**" and the default console window below will appear: (Use the blue buttons across the top to change to different setup/configure screens.)



Note: If IIS is installed on the server, it will install an alias into IIS which will allow the user to use the web browser to manage the UPS by typing in the address (replace 10.1.71.55 with the actual IP address of the target system: http://10.1.71.55/poweralert/paconsole.html

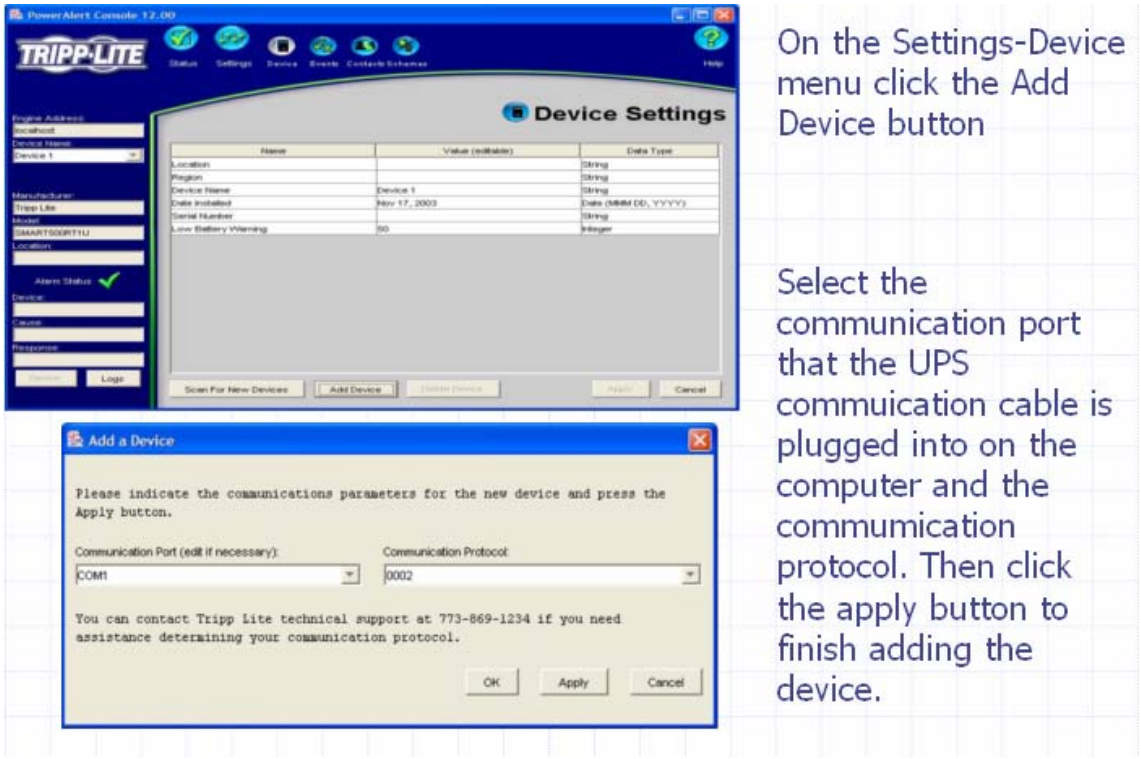
2) Select Business mode.

   a) Select **"Settings"** on the top right and then select **Schemes**.

   b) Choose **Business Device Management Scheme** and hit **Yes** at the prompt. You will see a lot more options display on the top of PowerAlert Console.

5.1 Adding a New Device

Adding a UPS Device. Note, this part may be skipped if you are configuring the software without a UPS added.

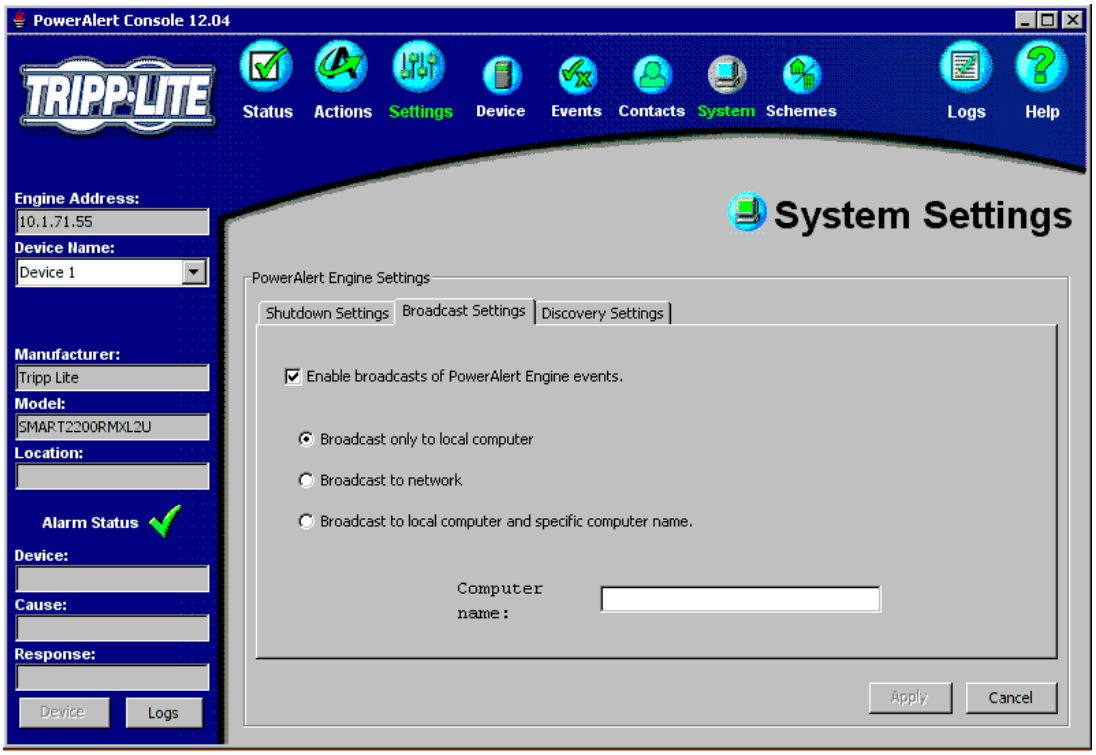


Default settings are **COM1** or **USB** and **Communication Protocol** = 0002. A restart of the Power Alert software is required to update any device related change.

5.2 System Options

5.2.1 Broadcast Settings

1) Select **Settings >System**
2) Select "**Broadcast Settings**" tab
3) Confirm the "**Enable broadcasts of PowerAlert Engine events**" is checked
4) Type the Local **Computer Name**
5) Select one of 3 options according to the customer's preference as seen in picture below:



5.2.2 Discovery Settings

1) Select **Settings** >**System**
2) Select "**Discovery Settings**" tab
3) Confirm the "**Should the engine periodically search for new connected devices**" is checked.

You can choose to "Write Config File" to save all your changes. This is located in D:\Program Files\TrippLite\PowerAlert\engine**paconfig.ini.**

5.3 Events

The Event Settings menu allows the user to customize PowerAlert's response to power events or abnormal conditions on a device.

Available Actions

Broadcasting	Sends a broadcast message alerting all recipients that a power event has occurred.
Shutdown	Shuts down the computer running PowerAlert and connected to the UPS.
Contact Notification	Sends an email message to a person in your contact list.
SNMP Notification	Sends an SNMP trap to an IP address.
Execute Command Script	Executes a script to run specialized procedures when an event occurs.
Logging	Logs the events to the PowerAlert event log.

5.3.1 Setting Default Shutdown time.

a) Select **Settings** > **Events**.

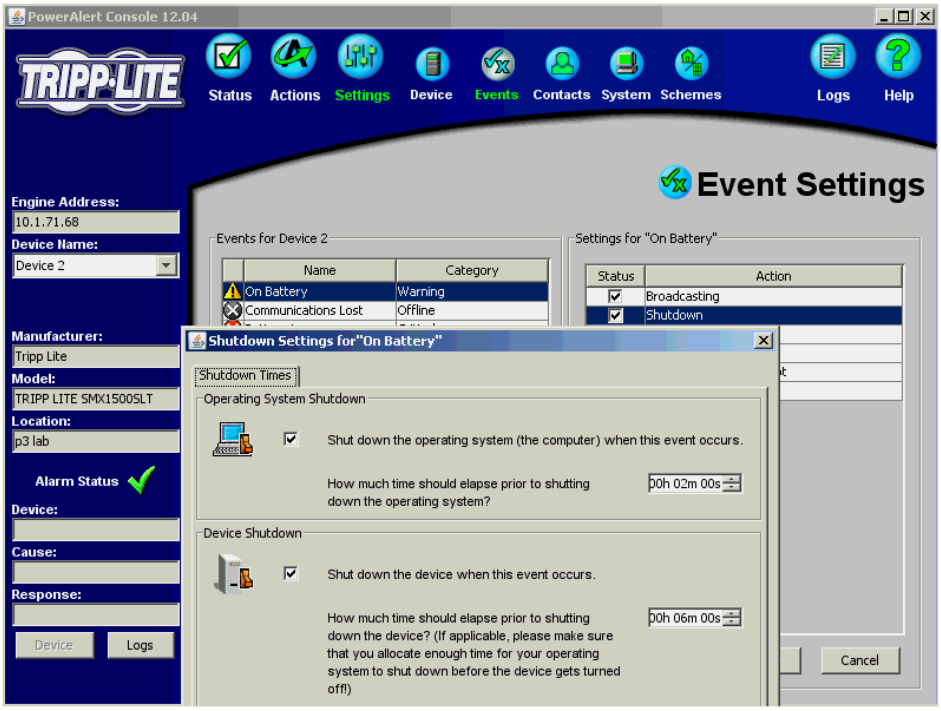
b) Select **On Battery** > **Shutdown** (make sure this box is checked).

c) Click on **Settings**

d) Confirm that **Operating system shutdown** is 2 min (Default).

e) Confirm that **Device shutdown** is 6 min (Default).

f) Select **Apply** > **OK**.



5.3.2 Configuring Event Logging.

a) Select **Logs**(Top right corner of the console).

b) Check "**Keep text file of event log entries"**.

c) Click "**Append event entries to a file"**

d) Select **Save**

To view the current log entries select "**Retrieve Records**".

The event log is stored in text format in the below file location.

D:\Program Files\TrippLite\PowerAlert\data**paelog.txt**

5.4 Contacts (optional)

Contact Settings allows you to configure automatic notifications, via email or SNMP trap, to individuals who must be alerted in the event of an alarm.

5.4.1 Contacts and SMTP Settings

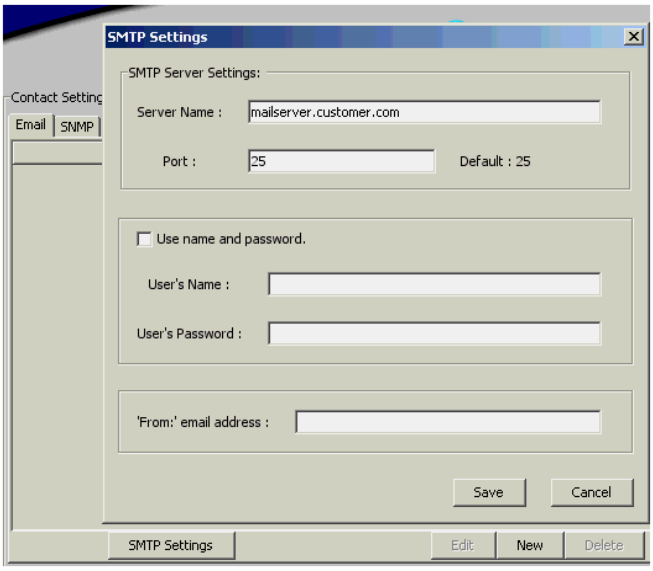
a) Select **Settings** > **Contacts**.

b) Select **SMTP Settings**

c) Type the customer's **Email Server Name**.

d) Leave the port = 25 (default email port).

e) Select **Save**



f) Click on **New**.

g) Type **Name of Contact**

h) Type **Phone number(optional)**

i) Type **Email Address**

j) Select **Save.**

5.4.2 Email Notifications (Optional)

1) Select **Settings > Events.**

2) Select the Event of your choice (i.e. **On Battery**).

3) Select **Contact Notification** on the Action pane on the right side.

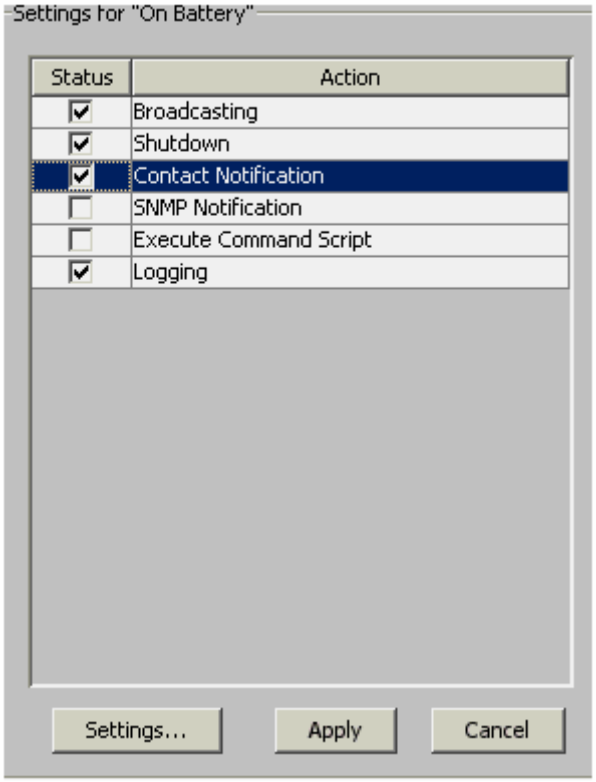
4) Select **Settings.**

5) Select the **Contact** you would like the email to be sent.

6) Select **Apply > OK.**

7) Select the **check box** in the Status Column to Activate Event.

8) Select **Apply.**



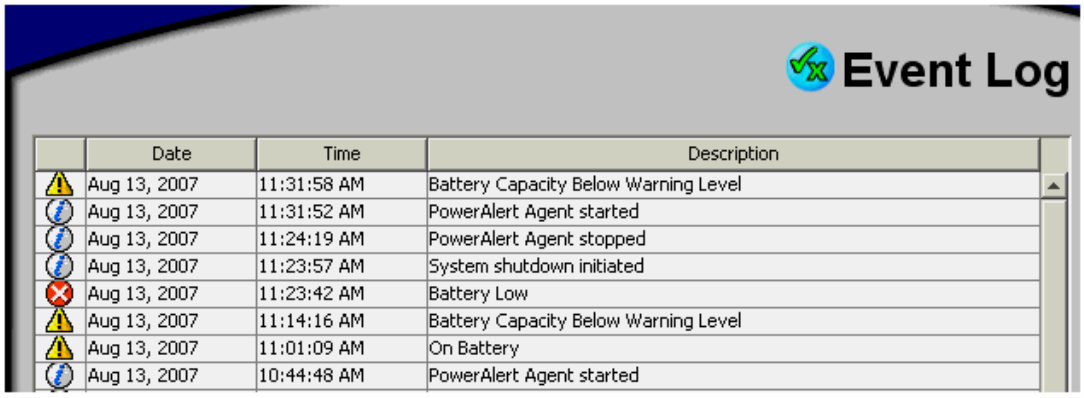
5.4.3 Default Kodak Workflow Event Settings

The settings below define the events of a power failure. When the UPS goes on battery a broadcast message will be sent, and if configured, an email will be sent to the administrator. If no action is taken and the servers remain on battery power, when the battery is 20% depleted the UPS will shutdown the server.

1) Select **Settings > Events**.
2) **On Battery** (Actions below checked)
   i) Broadcasting
   ii) Shutdown (Unchecked)
   iii) **Contact Notification**(optional, must be configured)
   iv) Logging
3) Communication Lost (Leave as default)
4) **Battery Low** (checked)
   i) Broadcasting
   ii) **Shutdown** (Shutdown OS = 15sec, Shutdown Device = 3min.)
   iii) **Contact Notification**(optional, must be configured)
   iv) Logging
5) All remaining Events leave as **Default**.

Sample Event Log on Power Failure.

Battery Capacity Below Warning Level	30% Battery Remaining.
Battery Low	20% Battery Remaining.

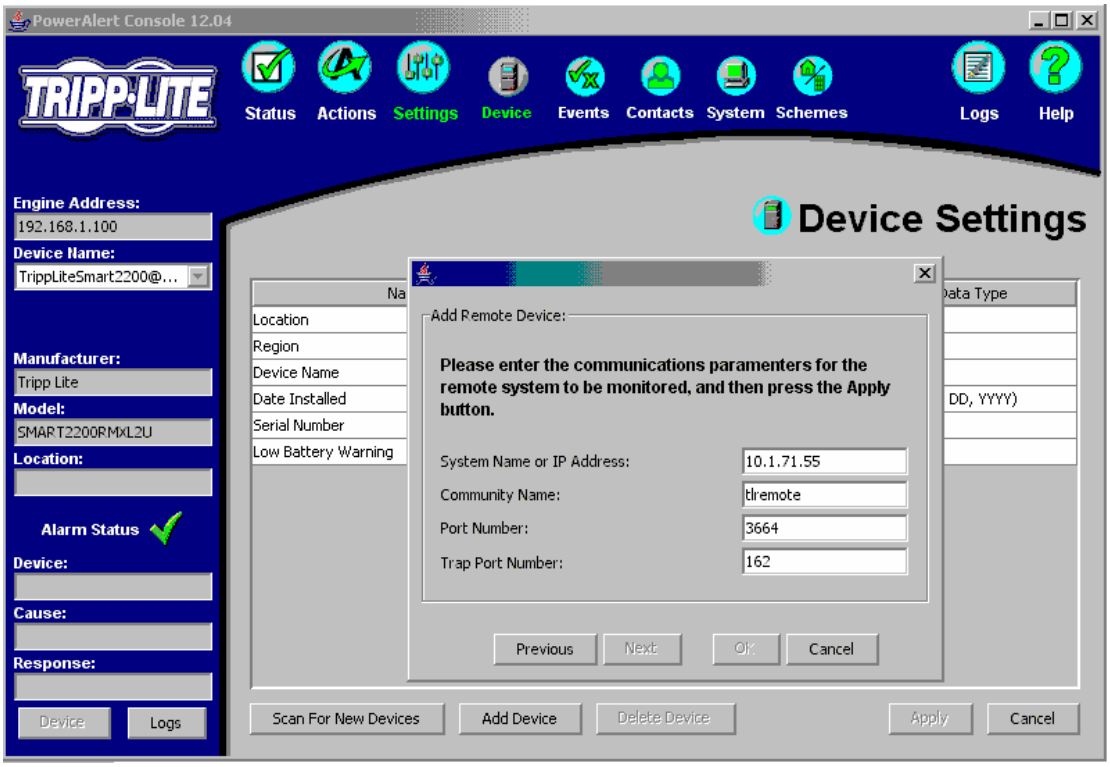


6 REMOTE MONITORING POWERALERT'S UPS DEVICE

PowerAlert software can be installed and used on server without physically connected to a TrippLite's UPS device to monitor the UPS devices remotely. This section will guide you through how to configure the software to remotely monitoring TrippLite's UPS on the network.

1) Install Sun's JRE 6 update 3 and PowerAlert software as described in section 4 above.

2) Start the PowerAlert software on this remote server and select **Settings->Device** and click on the <**Add Device**> button at the bottom and "**Add Remote Device**" pop-up dialog as illustrated in the picture below appears. Type the IP address of the server that is physically connected to the UPS in the "System Name or IP Address" field (leave the rest to default) and PowerAlert window should be populated with the status information of the UPS device attached to that server.



3) PowerAlert software can now be configured and monitored from this remote server just like it's locally attached.

7 LAUNCHING POWERALERT ONLINE HELP

PowerAlert Console includes an online help system which can be launched by clicking on the blue question mark button on the top right hand side of the main console window.

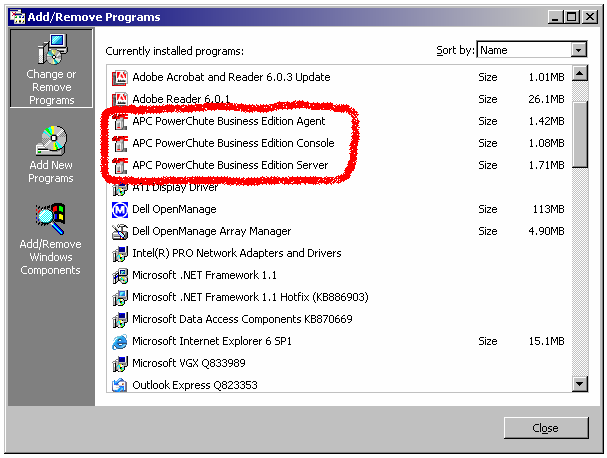
8 REPLACING APC POWERCHUTE WITH TRIPPLITE'S POWERALERT

This section outlines steps to remove the APC's PowerChute business Edition UPS monitoring software with TrippLite's PowerAlert software to allow monitoring both TrippLite and APC UPS units (with USB port ONLY) installed at the same site.

8.1 Removing APC PowerChute Business Edition Software

1) From the Start button select **Settings -> Control Panel**.

2) Select **Add/Remove Programs**. you should see the following:



3) Remove the APC software in this order:

   a) Select **APC PowerChute Business Edition <u>Console</u>** and select **Remove**. Select **OK** to Confirm Delete and then **Finish**.

   b) Select **APC PowerChute Business Edition <u>Server</u>** and select **Remove**. Select **OK** to Confirm Delete and then **Finish**.

   c) Select **APC PowerChute Business Edition <u>Agent</u>** and select **Remove**. Select **OK** to Confirm Delete and then **Finish**.

4) Reboot your computer.

8.2 Installing TrippLite PowerAlert Software

Refer to Section 3 in this document for instructions on obtaining and installing of PowerAlert software which can be used to manage and monitor the APC UPS units with USB port.

About Kodak's GCG

Kodak's Graphic Communications Group is one of the three strategic business units of Eastman Kodak Company, the world leader in imaging technology and color science. The Graphic Communications Group provides customers with breakthrough products and services designed to operate in blended production and printing environments. The company offers the broadest portfolio of technologies, products and services for the graphic communications market. Kodak's solutions include image capture systems; professional color, copydot, and high-speed document scanning systems; workflow and color management software; thermal imaging devices for film, plates, and proofs; high-quality proofing media, printing plates, and recording film; high-volume continuous inkjet printing systems; digital color and black-and-white presses; wide-format inkjet printers; data storage products; and professional services.

© 2008 Kodak Graphic Communications Canada Company, The Kodak product names mentioned in this document are trademarks or service marks of Eastman Kodak Company. and may be registered in certain jurisdictions. Other company and brand, product, and service names are for identification purposes only and may be trademarks or registered trademarks of their respective holders. Data is subject to change without notice.