

# *How to configure an SNMP-enabled **Uninterruptable Power Supply** with DSS V6*



Easy to use, GUI based management provides performance and security.



Reliable disk based backup and recovery, along with Snapshot capability enable fast and reliable backup and restore.



Easy to implement remote Replication, at block or volume level, enables cost-effective disaster recovery.



IP based storage management combines NAS and iSCSI functionality for centralized storage and storage consolidation.

# How to configure an SNMP-enabled UPS

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Example configuration with UPS ONLINE model XANTO S1500

Please read your UPS Web/SNMP Manager user manual and configure the IP address of the network adapter.  
In this presentation, the UPS network adapter IP address will be set to 192.168.0.251.



**TO CONFIGURE THE SNMP – ENABLED UPS, THE FOLLOWING STEPS  
NEED TO BE PERFORMED:**

1. Configure the UPS Network Adapter
2. Configuring UPS support in DSS V6
3. Testing Online and On-Battery mode

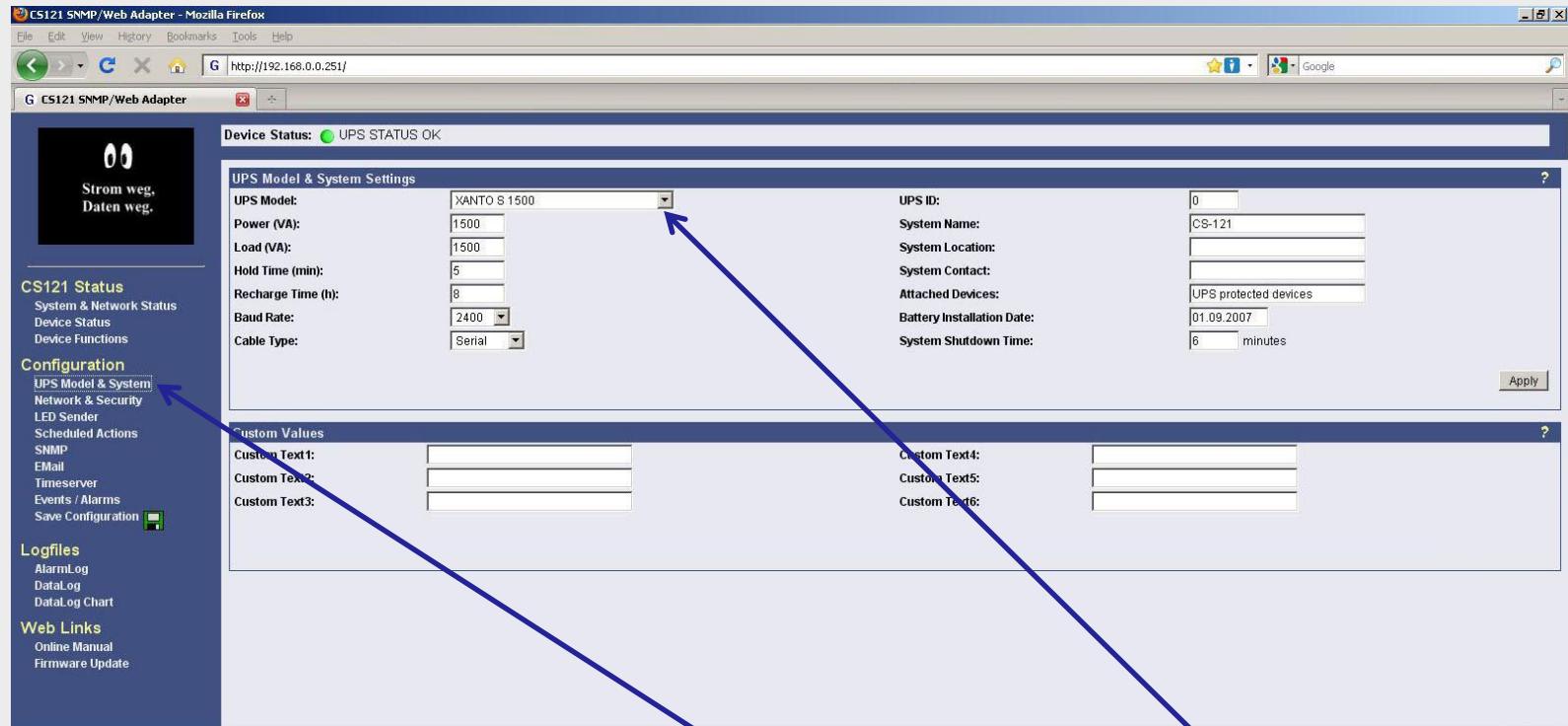
**NOTE:**

You must be using DSS V6 up10 build 3719 or newer.

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## 1. Configure the UPS Network Adapter

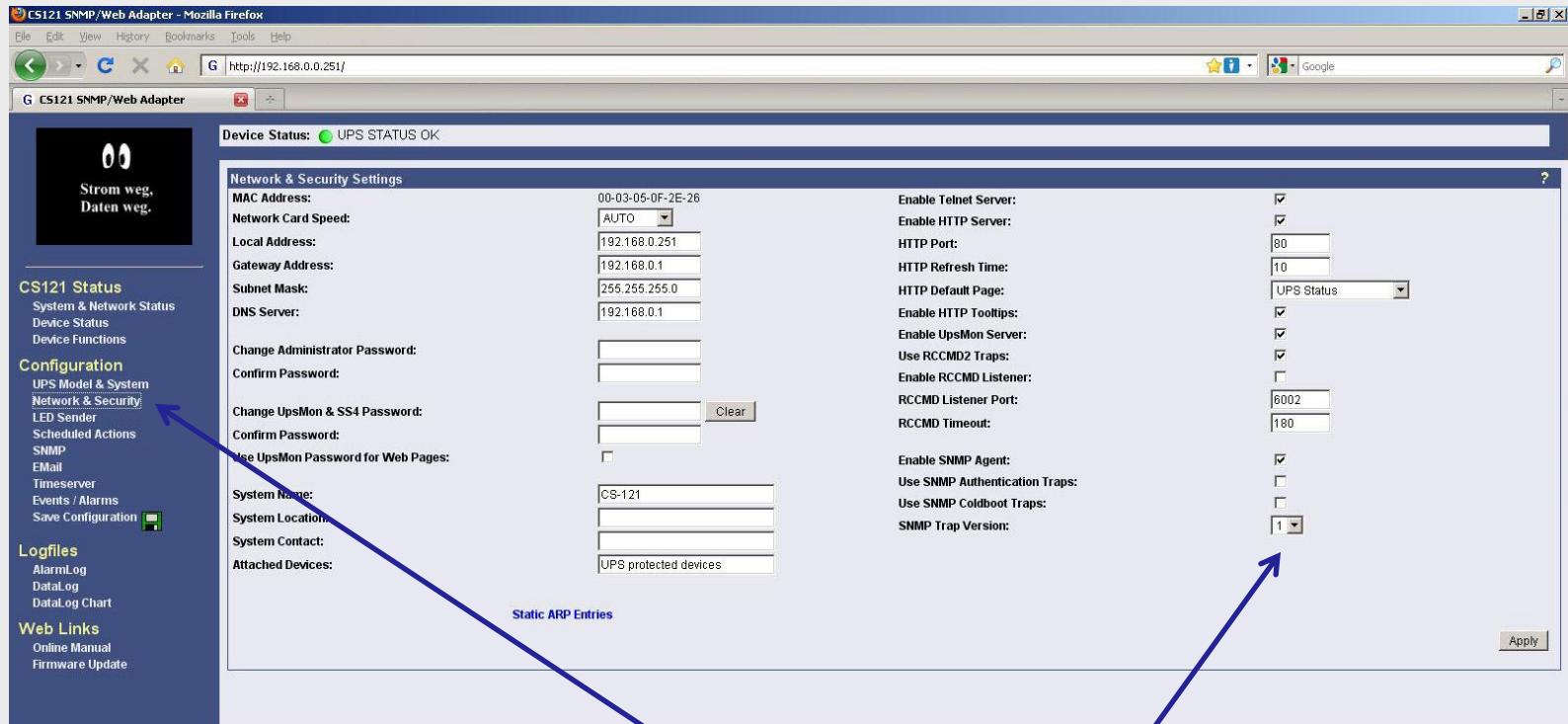


Enter the WebGUI of the UPS network adapter. In the “UPS Model & System” section, set the **UPS Model** parameter to **XANTO S1500**.

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## 1. Configure the UPS Network Adapter

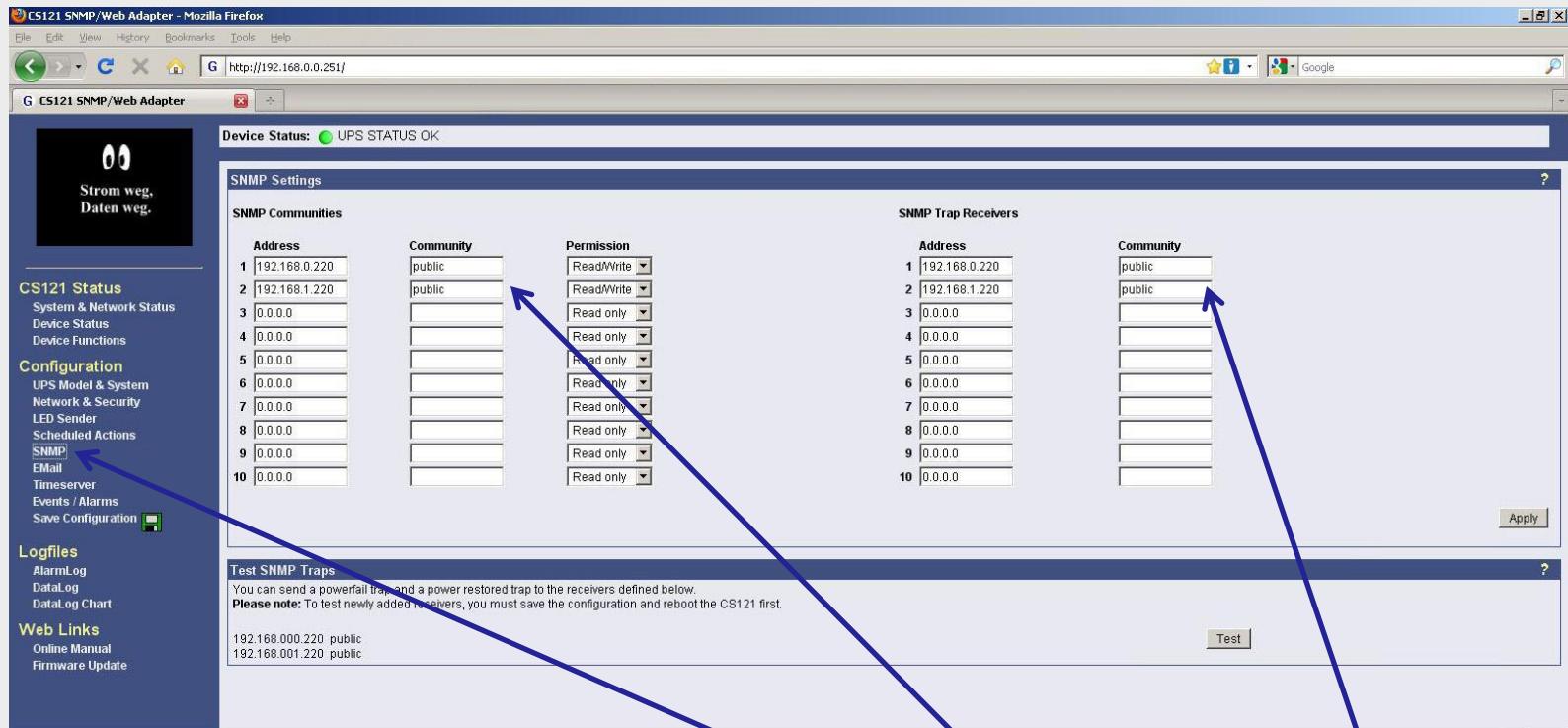


Next, go to the “**Network & Security**” section and set the **SNMP Trap Version** parameter to 1.

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## 1. Configure the UPS Network Adapter



Next, go to the “**SNMP**” section and enter the IP address of the DSS V6 server (you can enter more than one). Please enter **public** into the **Community** fields. In order to confirm the settings click the **Apply** button, then select „**Save Configuration**” in the left menu.

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Data Storage Software (DSS)  
IP Address:192.168.0.220

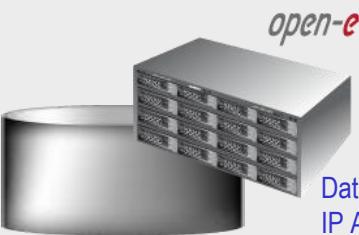
Enter the WebGUI of the DSS server, go to the „SETUP” menu and select „hardware”. In **UPS settings**, check the **Use UPS** box and select **MGE** as vendor. Next, select **UM-Link (SNMP)** as UPS model and enter its IP address into the **SNMP Host Agent Domain** field. In order to confirm the settings click the **apply** button.

## 2. Configuring UPS support in DSS V6

The screenshot shows the DSS V6 WebGUI interface. At the top, there's a navigation bar with tabs: SETUP (highlighted), CONFIGURATION, MAINTENANCE, STATUS, and HELP. Below the navigation bar, a breadcrumb trail says "You are here: SETUP > hardware". The main content area has three sections: "UPS settings", "Time zone settings", and "Set Time". The "UPS settings" section contains fields for "UPS vendor" (radio buttons for APC and MGE, with MGE selected), "UPS mode" (dropdown menu with "Single" and "UM-Link (SNMP", where "UM-Link (SNMP" is selected), "UPS model" (dropdown menu with "Not a UPS (ref 66850)", "10 min.", and "192.168.0.251"), and "Timeout" (dropdown menu with "10 min." and "192.168.0.251"). The "apply" button is located at the bottom right of this section. The "Time zone settings" section includes "NTP servers" (input field with "1.pool.ntp.org") and "Continuous adjusting using NTP" (checkbox). The "Time zone" dropdown is set to "Europe/Berlin". The "Set Time" section has a radio button for "Manual". At the bottom of the page, there are links for "Event Viewer" and "Data Storage Software V6 - All rights reserved".

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Data Storage Software (DSS)  
IP Address:192.168.0.220

Go to the „**STATUS**“ menu and choose „**hardware**“. If the UPS is online and properly detected and configured, the **Status** parameter in **UPS status** will show **OL**.

## 3. Testing Online and On Battery mode

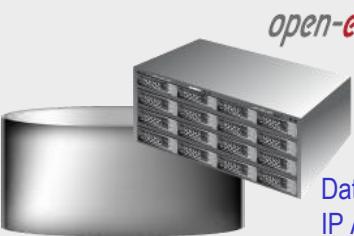
The screenshot shows the "DATA STORAGE SOFTWARE V6" interface with the following sections:

- UPS status:** Status: OL, Battery charge: 100.0%.
- Controllers info:**
  - Network controllers:** Intel Corporation 82574L Gigabit Network Connection, Intel Corporation 82574L Gigabit Network Connection.
  - RAID/SCSI controllers:** Areca Technology Corp. ARC-1680 8 port PCIe/PCI-X to SAS/SATA II RAID Controller, Adaptec ASC-29320ALP PCIX U320.
  - Fibre Channel controllers:** QLogic Corp. ISP2432-based 4Gb Fibre Channel to PCI Express HBA (rev 03), QLogic Corp. ISP2432-based 4Gb Fibre Channel to PCI Express HBA (rev 03).
- Drivers info:**
  - Network drivers:** Ethernet Channel Bonding Driver, v3.3.0, Intel(R) PRO/1000 MT Desktop Driver.

At the bottom, there is an "Event Viewer:" section and a footer stating "Data Storage Software V6 - All rights reserved".

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Data Storage Software (DSS)  
IP Address:192.168.0.220

In order to test the On-Battery mode, remove the main power cord from the UPS. Now, the **Status** parameter in **UPS status** should show **OB** (refresh the GUI page in your browser if needed). Then, reconnect the main power cord back to the UPS and refresh the GUI page – the **Status** parameter should show **OL** again.

## 3. Testing Online and On Battery mode

The screenshot shows the open-e Data Storage Software V6 interface. At the top, there's a navigation bar with tabs: SETUP, CONFIGURATION, MAINTENANCE, STATUS, and HELP. The STATUS tab is selected. Below the navigation bar, a breadcrumb trail says "You are here: STATUS > hardware". A sub-menu titled "UPS status" is open, displaying "Status: OB" and "Battery charge: 100.0%" with a progress bar. In the bottom right corner of the software window, there's a red arrow pointing towards the "OB" status indicator. Below the software window, there are two separate windows from Mozilla Firefox. The left window is titled "dss233 - Data Storage Software V6 - Mozilla Firefox" and shows an "Event" log with two entries: "2009-10-16 23:09:41 UPS ups@localhost on..." and "2009-10-16 23:06:56 UPS ups@localhost...". The right window is titled "UPS ups@localhost on batt - Mozilla Firefox" and shows an "Event group" log with one entry: "2009/10/16 23:06:56 UPS ups@localhost on battery".

### NOTE:

An event viewer prompt with “on battery” messages is shown here.

Thank you!