

UPSMAN / RCCMD and CS122 intro

This page is a short explanation of the UPSMAN / RCCMD management system that works with the CS122 UPS RS232 to TCP/IP converter card. A detailed description about the usage and functioning of the UPSMAN UPS Management Software and of the RCCMD Remote Control Command client module are found in the UPSMAN / RCCMD user manual which can be downloaded at <http://www.generex.de/wwwfiles/dokus/1/upsman/english/pdf/UPSHBENG.pdf>

The CS122 serves primarily as a cost effective way of integrating UPS systems into a UPSMAN / RCCMD managed network facilities by converting the RS232 serial or USB protocol into TCP/IP. This frees the UPS from the normal constraints of serial and USB connection limitations. The UPSMAN UPS Management Software is the core of the system which communicates directly with the attached UPS using its native protocol. Normally, these devices are managed through either their serial or USB connections.

Once the UPS has been equipped with either an external or slot CS122, a corresponding UPSMAN installation can be configured to manage the UPS over the network using the CS122.

Principly the UPSMAN / RCCMD UPS Management System works as follows:

A network station is designated to perform the UPS monitoring and management services and acts as the so called UPSMAN server. This designated machine will then manage the power resources of the UPS and regulate the power consumption and operations of the other RCCMD client computers in the network. The UPSMAN server can then safely shut down othe RCCMD clients in the network during power failures or during maintenance and testing routines. If certain hardware and operating prerequisites are fulfilled, other features are also available such as restarting the RCCMD clients using Wake on LAN. The UPSMAN server can be configured to shut down whole RCCMD network segments at once or just individual RCCMD clients. On the other hand, the RCCMD client must be configured to either accept all incoming or RCCMD commands from all UPSMAN servers or alternatively, an IP filter can be set to only allow RCCMD command acknowledgement from specific UPSMAN servers.

Please refer to the backside of this introduction for setting up your CS122.

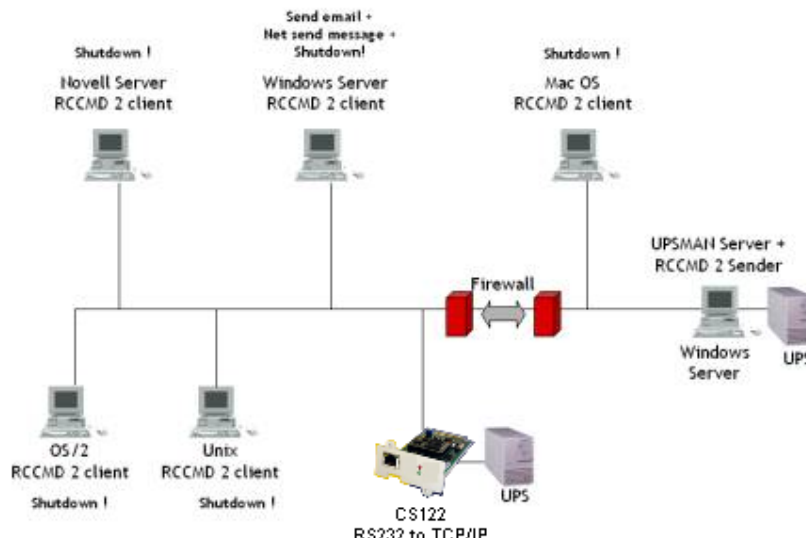
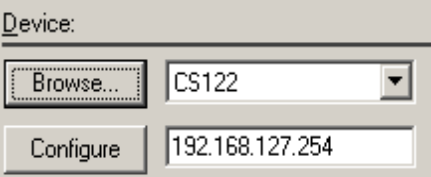
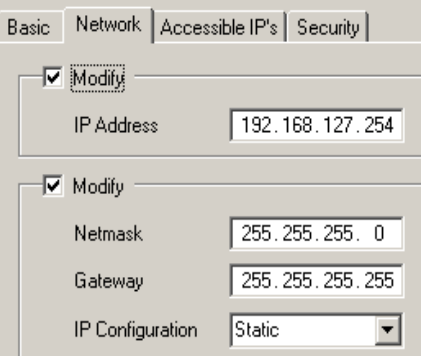
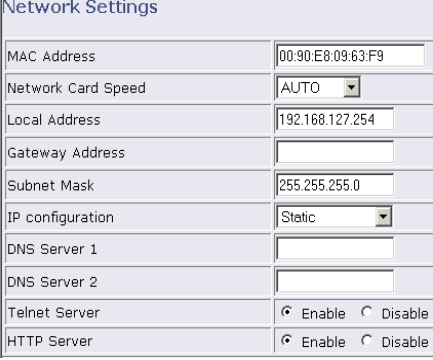


Figure 1 Example UPSMAN/RCCMD network power resource management system

Quickstart for the CS122 UPS network adapter

Introductory instructions: 3 ways of configuring the IP address and UPSMAN basic settings step-by-step:

UPSMAN configuration: (recommend)	Web browser:	TELNET:
<p>Connect the AC adapter and network cable to the CS122, respectively power up the UPS and insert the CS122Slot into the slotcard interface and connect the network cable. Wait until the device has booted and the yellow Power LED is on. If the green LED is lit, then your CS122 has been given an IP address through DHCP and is ready for communication.</p> <p>If the green LED does not lit then please follow the instructions below to setup an IP address for your CS122.</p>	<p>Connect the AC adapter and network cable to the CS122, respectively power up the UPS and insert the CS122Slot into the slotcard interface and connect the network cable. Wait until the device has booted and the yellow Power LED is on. If the green LED is lit, then your CS122 has been given an IP address through DHCP and is ready for communication.</p> <p>If the green LED does not lit then please follow the instructions below to setup an IP address for your CS122.</p>	<p>Connect the AC adapter and network cable to the CS122, respectively power up the UPS and insert the CS122Slot into the slotcard interface and connect the network cable. Wait until the device has booted and the yellow Power LED is on. If the green LED is lit, then your CS122 has been given an IP address through DHCP and is ready for communication.</p> <p>If the green LED does not lit then please follow the instructions below to setup an IP address for your CS122.</p>
Step 1	Step 1	Step 1
<p>Insert UPSMAN CD or download from www.generex.de a fullversion of UPSMAN software. Start SETUP and enter your UPSMAN license keycode. After the installation the UPSMAN configuration windows will open. Choose your UPS modell from the list and choose as PORT the type "CS122".</p> 	<p>Set a route to CS122 with from the command line "route add 192.168.127.254 <your computers IP address>". Per default DHCP is on, the standard IP address is in this case 192.168.127.254. If you have problems identifying the CS122 IP address, please use the UPSMAN configuration tool and browse your network. Step 2 UPSMAN configuration). Test device response to the command line "PING 192.168.127.254", by negative results check route settings via command line "route print".</p>	<p>Set a route to CS122 with from the command line "route add 192.168.127.254 <your computers IP address>". Per default DHCP is on, the standard IP address is in this case 192.168.127.254. If you have any problems finding the CS122 IP address, please use the UPSMAN configuration tool and browse your network. Step 2 UPSMAN configuration). Test device response to the command line "PING 192.168.127.254", by negative results check route settings via command line "route print".</p>
Step 2	Step 2	Step 2
<p>Press the BROWSER button and wait until a list opens from where you can choose your CS122. Choose your CS122 (default password is blank, older firmware : "cs122-web") Press CONFIGURE Button and start change to NETWORK.</p> 	<p>Start your webbrowser and enter as address: "http://192.168.127.254". Default password is blank, older firmware : "cs122-web". Change to NETWORK SETTINGS and alter/set your IP adresse and network settings.</p> 	<p>Start the telnet configuration module with command line "telnet 192.168.127.254". Default password is blank, older firmware : "cs122-web". At the main menu change to 2 "network settings". Change now to menu 3 "local Address" and enter your IP address. Also enter at menu 4 and 5 the correct subnetmask and gateway address. After this, change to menu 6 and change to "Static" IP if you do not want do use DHCP.</p> <pre> ----- << Main Menu->Network Settings >> (1) MAC Address (2) Network Card Speed (3) Local Address (4) Subnet Mask (5) Gateway Address (6) IP Configuration (7) DNS Server 1 (8) DNS Server 2 (9) Enable HTTP Server (a) Enable Telnet Server (0) Back to main menu </pre>
Step 3	Step 3	Step 3
<p>Modify or enter your IP address for CS122 and also Netmask and Gateway. Change from DHCP to static if necessary. If you want to restrict other UPSMAN computers to use your CS122, enter ACCESSIBLE IP menu. To set your password enter SECURITY Menu. After OK the UPSMAN will save your changes and start the monitoring. FINISH.</p>	<p>Save your configuration, the device will reboot. You CS121 IP address is now set. For further configuration, please use the UPSMAN configuration interface. This Windows configuration interface has an online helpline which explains all functions of the CS122 configuration. The CS122 is now ready for UPSMAN communication. FINISH.</p>	<p>With 0 change to main menu and save & reboot the CS121 with 8. For further configuration, please use the UPSMAN configuration interface. This Windows configuration interface has an online helpline which explains all functions of the CS122 configuration. The CS122 is now ready for UPSMAN communication. FINISH.</p>