

NAS-7450/NAS-7850

Quick Installation Guide

Version 1.0

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Chapter 1 Package Contents

1.1 NAS-7450 Package Content

- NAS-7450 x 1
- Key x 2
- Power Cord x 1
- Screw Package x 1
- User's Manual CD x 1
- Quick Installation Guide x 1
- Sliding Rail x 1 set

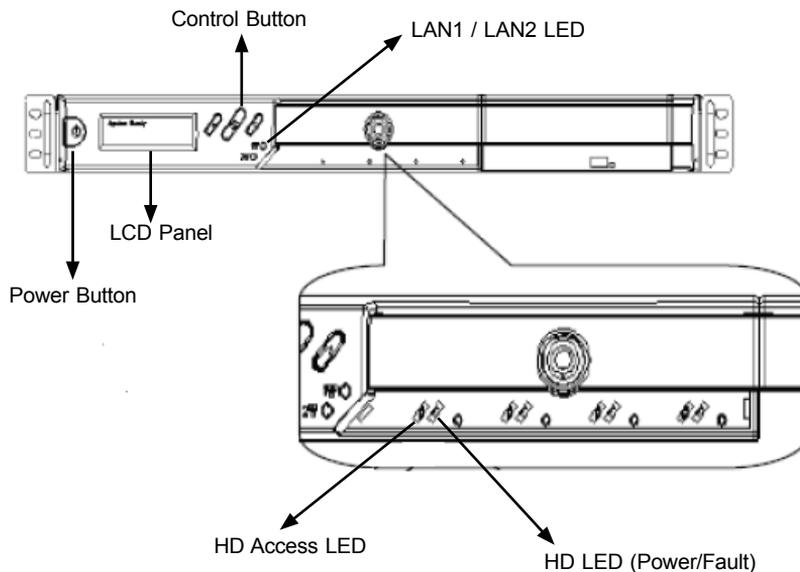


Note

If any of above items are damaged or missing, please contact your dealer immediately.

1.2 Physical Detail

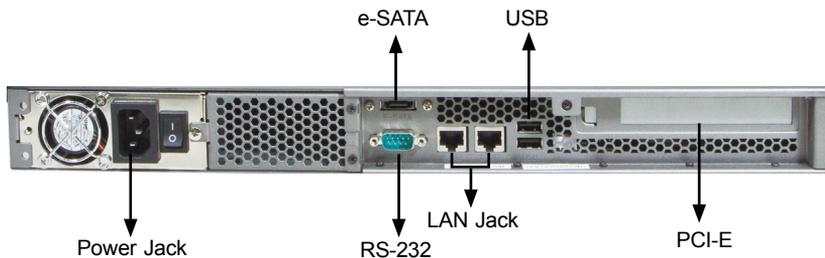
NAS-7450 Front View



Interface	Description
Power Button	Green(power on), Yellow(default)
LCD Panel	Display LAN1/LAN2 IP Information
Control Button	Press the Control button to configure LAN1/LAN2 IP address.
LAN1	Yellow(10M link), Green(100M link), Amber(1000M link)
LAN2	

HD Access LED	HD LED (Power/Fault)	Description
Red on	Green Blinks	Powering up
Red On during access	Green On	HDD is being accessed
Red Blinks (Fast)	Green Blinks (Fast)	RAID building, rebuilding, expanding
Red off	Amber on	Volume un-mounted and HDD is ready for being hot-up plugged
Off	Amber Blinks (Slowly)	Disk faulty. Blinking interval is about 2 seconds

NAS-7450 Rear View



Interface	Description
Power Jack	Connect the two power supply cord shipped with the system
e-SATA	Connect to External hard drive case
RS-232	Connect to UPS
LAN Jack (LAN1)	These RJ-45 ports support auto negotiating Fast Ethernet 10/100/1000 Base-TX networks. That allows your system to be connected to an Internet Access device, e.g. router, cable modem, ADSL modem, through a CAT.5 twisted pair Ethernet cable.
LAN Jack (LAN2)	
USB Socket	Connect to UPS and external HDD(FAT/FAT32)
PCI-E Port (optional)	Connect to Tape Backup or Tape Library or Network card

1.3 NAS-7850 Package Content

- NAS-7850 x 1
- Power Cord x 2
- Screw Package x 1
- User's Manual CD x 1
- Quick Installation Guide x 1
- Sliding Rail x 1 set



Note

If any of above items are damaged or missing, please contact your dealer immediately.

1.4 Physical Detail

NAS-7850 Front View

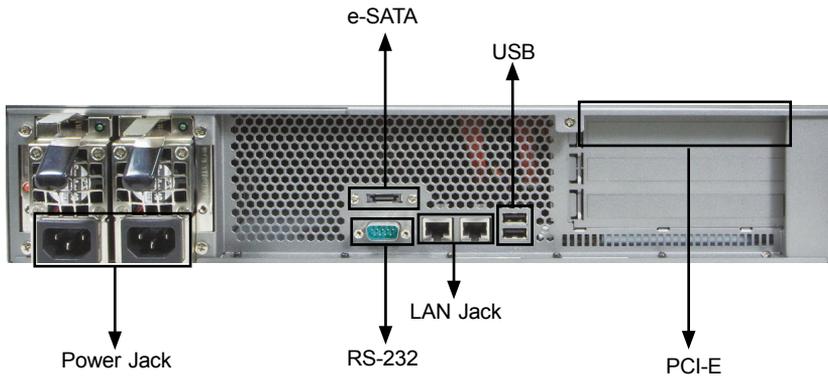
The diagram shows the front view of the NAS-7850 device. It is a horizontal, rack-mountable unit. On the left side, there is a Power Button and an LCD Panel. In the center, there is a Control Button. On the right side, there is an HDD Access LED. Along the bottom edge, there are several LEDs: a Power LED, a Status LED, a LAN1 LED, and two LAN2 LEDs. Arrows point from the text labels to the corresponding components on the device.

Interface	Description
Power Button	Power on/off
LCD Panel	Display LAN1/LAN2 IP Information
Control Button	Press the Control button to configure LAN1/LAN2 IP address.
Power LED	Green(power on), Yellow(default)
Status LED	Yellow(default)
LAN1 LED	Yellow(10M link), Green(100M link), Amber(1000M link)
LAN2 LED	

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HDD Access LED	HDD ready LED	Description
Red on during access	Green Blinks	Power is being accessed
Red on	Green Blinks (FAST)	RAID building, rebuilding, expending
Off	Amber on	Volume un-mounted and HDD is ready for being hot-unplugged
Off	Amber Blink (Slowly)	Disk fault Blinking interval is 2 second
Off	Off	Hard disk is absent or SATA cable is not connected

NAS-7850 Rear View



Interface	Description
Power Jack	Connect the two power supply cord shipped with the system
e-SATA	Connect to External hard drive case
RS-232	Connect to UPS
LAN Jack (LAN1)	These RJ-45 ports support auto negotiating Fast Ethernet 10/100/1000 Base-TX networks. That allows your system to be connected to an Internet Access device, e.g. router, cable modem, ADSL modem, through a CAT.5 twisted pair Ethernet cable.
LAN Jack (LAN2)	
USB Socket	Connect to UPS and external HDD(FAT/FAT32)
PCI-E Port (optional)	Connect to Tape Backup or Tape Library or Network card

Chapter 2 Installing and Starting NAS system

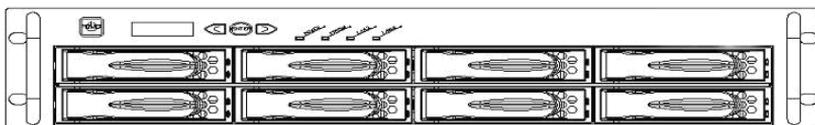
This chapter covers the installation procedure of different form factors of NAS server as well as the NAS-7450 / NAS-7850 Mobile Rack. Instruction on how to startup the NAS server by setting up the basic configuration through the Admin Home page or provided software tool – PLANET NAS Finder is also outlined in this chapter.

2.1 Installing the NAS-7450 / NAS-7850 rack-mount Model

NAS-7450



NAS-7850



Hot swap hard disk tray installation

1. To unlock the hot swap hard disk tray, pull the tab behind the end of the lever to release the latch and then lift the lever up as far as it can go to disengage the hard disk tray from the chassis.

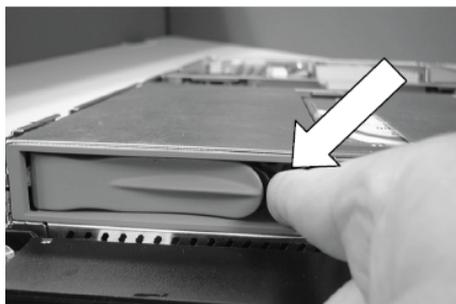


Figure 1

2. Pull the hard disk drive tray out.

3. Attached the HDD to the hot swap hard disk tray with the screws provided shown in Figure 2.

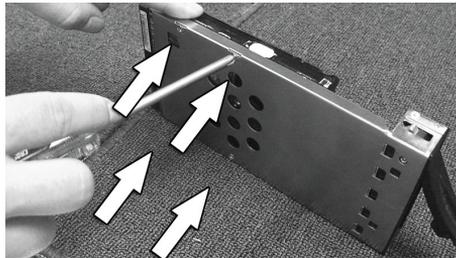


Figure 2

4. Slide the hot swap hard disk tray slowly into the chassis, push the outer rim of the tray as shown in Figure 3 until the lever retract slowly toward the tray. Then, push the level down as far as it can go to connect the hot swap hard disk tray to the chassis.

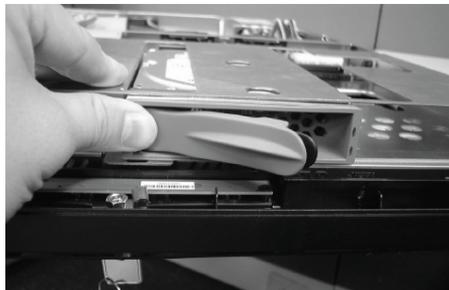


Figure 3

NAS-7450 / NAS-7850 rack-mount server installation

1. Pull out a HDD tray from the server.
2. Secure and mount a hard disk onto the HDD tray using four screws under the tray.
3. Insert the HDD tray back in the server. Make sure the lever of the HDD tray is properly in place.
4. Repeat Step 1 to Step 3 if necessary for the other HDD tray.
5. Install the provide rack mounting handles at both side of the NAS server.
6. Install the NAS server in the rack. (Refer to the paragraph "Sliding Rails Installation" in Chapter 2 section 5)

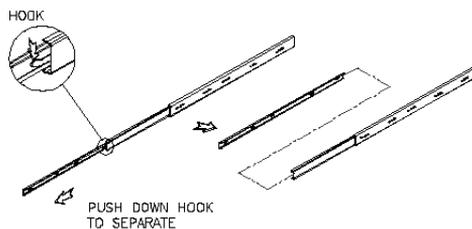
7. Connect your NAS server to the network by attach a LAN cable from the LAN port located at the back of your NAS server.(At least one network connection is required)
8. Plug the power cord into the power connector on you NAS server.
9. Make sure the power switch on the power supply is in on position.
10. Press the power button on the left hand corner of your NAS server.
11. Wait for the server to boot up. The boot up process takes approximately 2 minutes.

2.2 Sliding Rails Installation

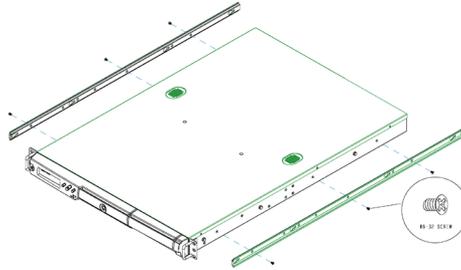
1. Make sure that you have the following the mounting parts for the sliding rails.
 - 4 L-shaped brackets (see the left side of the photo)
 - 8 x "M4" size screws, 8 x "M5" size screws and 6 x "#6-32" size screws.



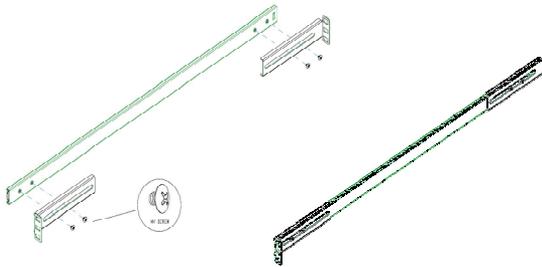
2. Take the sliding rail apart by sliding out the center slide. Push down the hook to separate them. Pull the center slide all the way until it reaches the end.



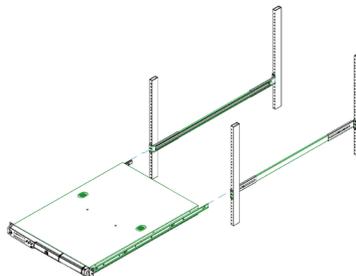
3. Now install the center slide to the rack-mount chassis. Find the screw holes on both sides of the rack-mount chassis, which are used for mounting the center slide. Fasten the **"#6-32"** screws to fix the center slides onto chassis. Later, the center slides will be used for attaching to the sliding rail.



4. Next, attach the two L-shaped mounting brackets on to a sliding rail. Use the **"M4"** screws to secure the L-shaped bracket on to the sliding rail.



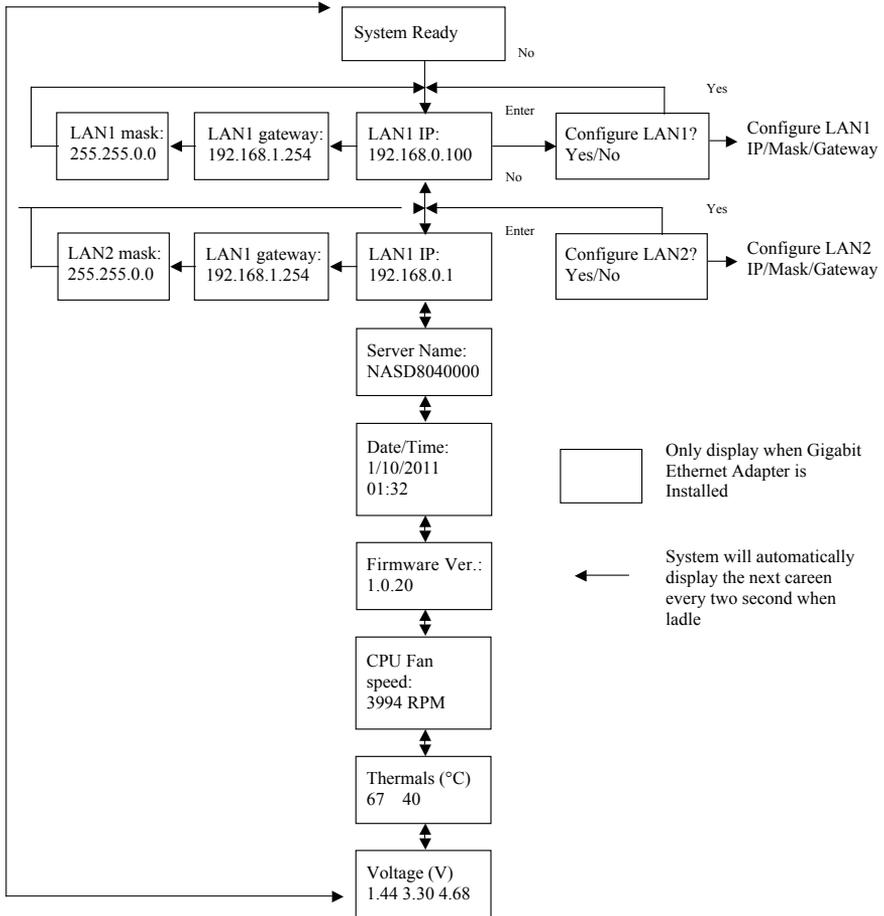
5. Attach the sliding rail onto a rack-mount cabinet. Secure the sliding rail onto the rack-mount cabinet via the screw holes on the L-shaped brackets



After properly attaching both sliding rails to the rack-mount cabinet, you may slide the rack-mount chassis (mounting) in to the cabinet.

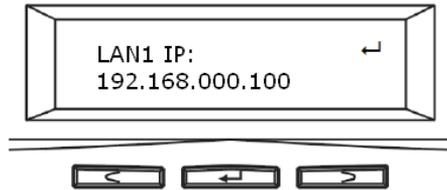
Configuring the NAS using the LCD console

LCD menu console flow chart

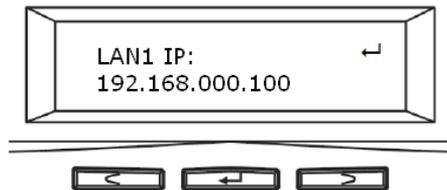


Configuring the IP addresses using the LCD console

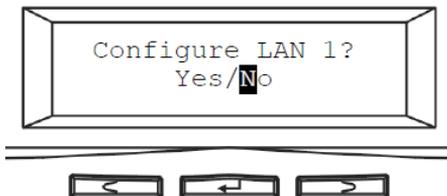
1. After NAS server is boot up, the LCD console shows System Ready. Press the right button.



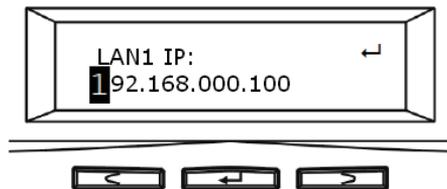
2. The IP address of LAN1 is shown. Press the middle button to configure LAN1 IP address. Note that the ← symbol at the right hand upper corner indicates that the IP address can be configured using the LCD console.



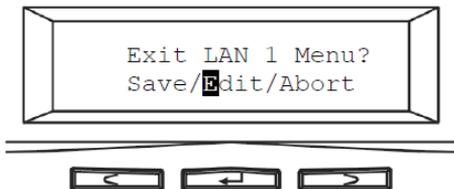
3. Move the cursor to "Yes" by pressing the left button and then press the middle button to confirm.



4. Move the cursor to the correct position using the left or right button. Then press the middle button to change that number.

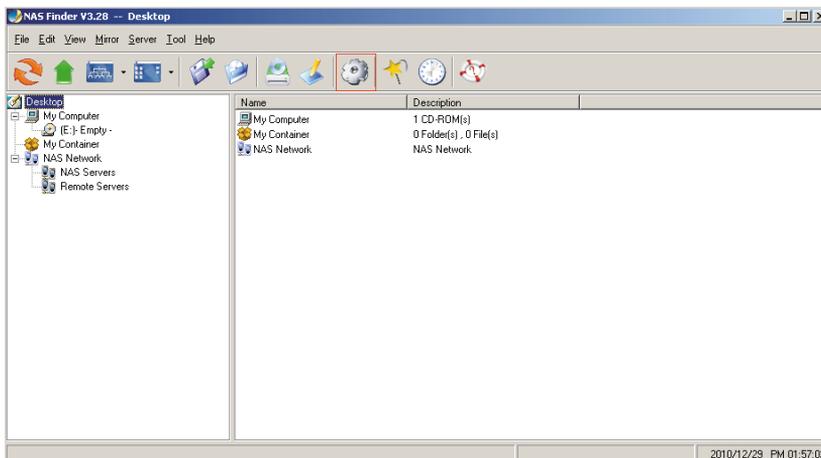


5. After you edit the last digit of the IP address, press the right button and configure the **Subnet Mask** address.
6. Repeat Steps 4 to Steps 5 to configure the **Subnet Mask** and **Gateway** address.
7. After you edit the last digit of the **Gateway** address, press the right button. Move the cursor to **Save** and save the setting or **Edit** to repeat the above process or **Abort** to quit the configuration process without saving.



8. Repeat the above process to configure the other LAN port.

Configuring the IP addresses using NAS Finder



You can use the provided utility PLANET NAS Finder to perform the initial setup of your newly arrived NAS server. The utility designed to perform a quick set up and put your NAS server online in just a few minutes. During startup, NAS Finder begins to discover the entire NAS server on the network. The default server name would be "NASxxxxxxx", where "xxxxxxx" is the last eight digits of the Ethernet address of LAN1.

-
1. Highlight the server you want to configure from the left hand pane.
 2. Click the  button on the toolbar
 3. Or, right click the server and select "Configure"
 4. Enter the "Server Name", "Server Comment", and "Workgroup/Domain Name" and select either the "Workgroup mode" or "Domain mode".
 5. Click "Next" button to go to the next page.
 6. Choose the "Network Teaming Mode" from the pull down menu. If you are not clear about this feature, continue with the default value.
 7. If you want IP settings to be assigned automatically, click "Obtain IP settings automatically".
 8. Or, you can specify IP settings manually.
 9. Click "Next" button to go to the next page.
 10. Change the admin password if necessary.
 11. Click the "Finish" button to save the settings. Note that server may need to reboot for certain parameters changes to take effect.

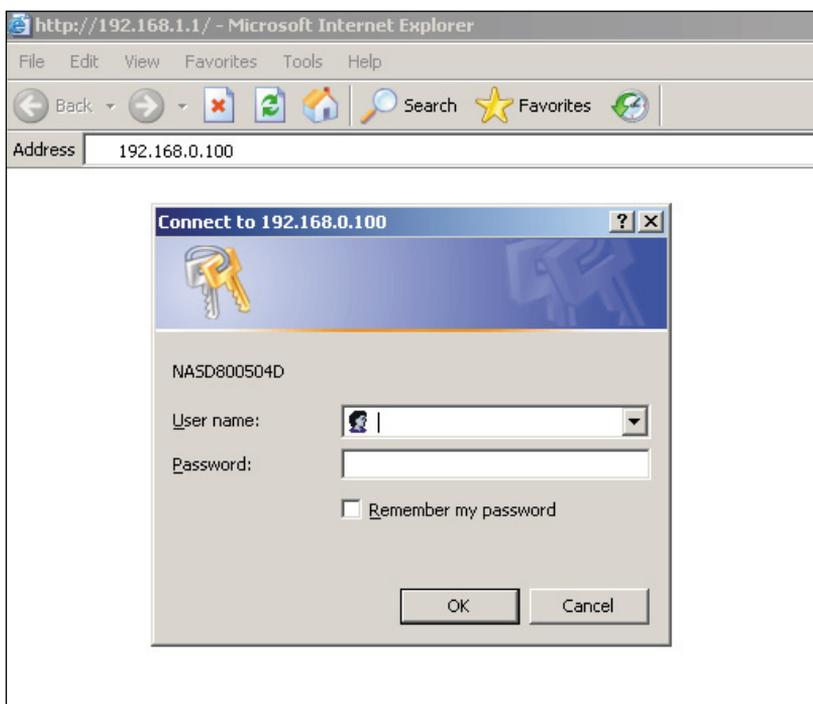
Chapter 3 Basic Configuration

3.1. Web configuration access

The NAS-7450 / NAS-7850 provide GUI (Web based, Graphical User Interface) for management and administration.

The default IP address of NAS server is **192.168.0.100**. You may now open your web browser, and insert **<http://192.168.0.100>** in the address bar of your web browser to login web configuration page.

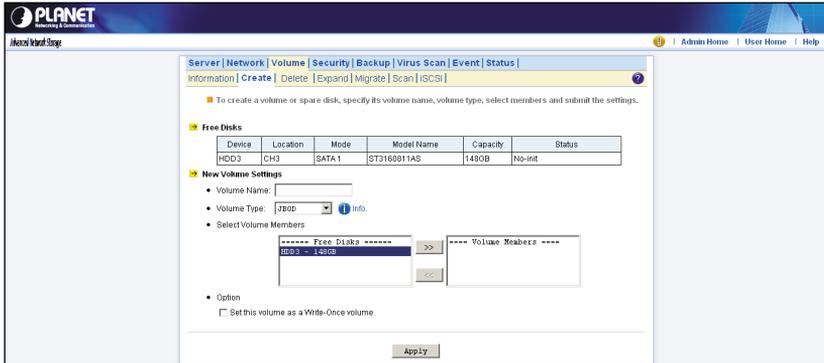
The NAS server will prompt for login username / password please enter: **admin / admin** to continue the NAS Server administration.



In order to connect machine for administration, please locate your PC in the same network segment (192.168.0.x) of NAS server. If you're not familiar with TCP/IP, please refer to related chapter on user's manual CD or consult your network administrator for proper network configurations.

3.2. HDD Formation and RAID Setting

For new attached hard disk, you should format the HDD before any setting.



1. Go to **[Volume]** → **[Create]** to configure the server "Volume Name" and "Volume Type".
2. Please press the **Volume Type** scroll to make RAID after selected Free Disk, and check "Apply", then it will be automatically format.
3. After format completed, you can then start to access the storage of the RAID NAS server accordingly.

Further Information

This guide is used to help you startup your NAS-7450 / NAS-7850 settings. It is also recommended to check the user manual CD-ROM for more details of the system and user configuration.