

Introduction

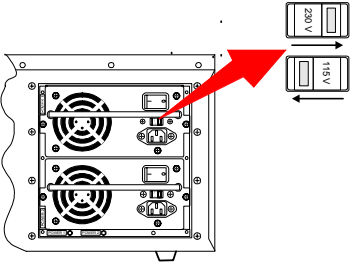
This guide covers the basic installation and configuration setup of the Perle 833AS Access Server.

For further information please refer to the Perle 833AS user guide on the CDROM supplied with this product.

Installing your Perle 833AS

To install your Perle 833AS unit proceed as follows;.

- 1. Unpack your Perle 833AS unit.
- 2. On the rear of the unit, set the voltage selector on BOTH power supplies to the correct local setting as follows;
- 3. Ensure that the 833AS is powered off and that all power cords are disconnected from the electrical outlet. The Front Panel LED should be off.
- 4. Set the Voltage Selector Switch on each supply to the correct voltage as follows:



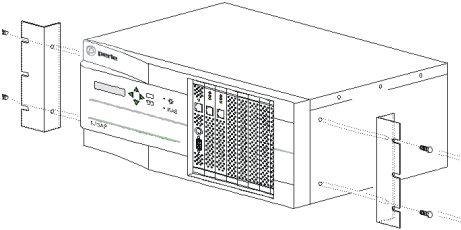
- 115V for inputs of 100-125 VAC
  - 230V for inputs of 200-240 VAC
- 5. Connect the Power Cords
  - 6. For each supply, connect one end of the supplied power cord into the 833AS power connection and the other end into a properly grounded electrical outlet.

**Warning**  
For safety, this equipment is designed to be electrically grounded. The 833AS must be connected to a three wire grounded outlet only. The power cords supplied include a third (grounding) pin. If you are unable to insert the plug into an outlet, contact an electrician to replace the outlet with a properly grounded outlet.

- 7. Mount your Perle 833AS on a rack or desk as required.
- 8. Connect and plug in the power cord.
- 9. Power on your 833AS unit.

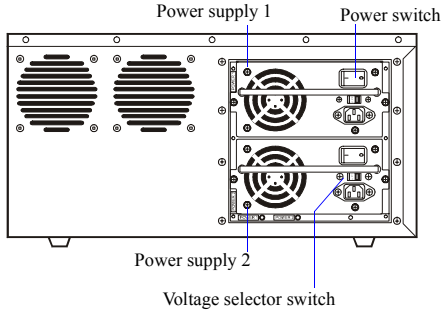
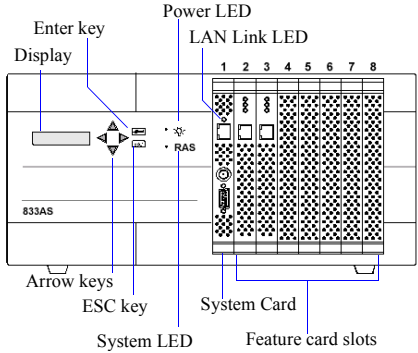
Rack mounting

You can rack mount the unit using the kit provided.



**Note**  
The unit requires 4U rack mount space. Ensure there is sufficient clearance on the sides of the unit to allow adequate air flow to the internal fans.

Front and rear panel views



Key	Function
Enter key	Starts selected function or confirms data entry.
ESC key	Returns to previous menu or cancels command
Arrow keys	Moves cursor to navigate menus.

Feature cards

Your 833AS unit is shipped with a system card as standard. In addition, optional feature cards such as Modem and T1 or E1 Interface cards can be added to the 833AS using the card expansion slots. For details of installing and configuring these, please refer to the 833AS User guide on the CD issued with this product.

Connecting the unit to the LAN

To Set up the 833AS LAN connection:

- 1. Power on the 833AS.
- 2. “No Manager” is displayed on the front panel. Press ▼ to select the appropriate language then press **Enter** to select.
- 3. From the front panel, add the IP address and subnet mask
- 4. Power the unit down.
- 5. Plug in the LAN cable from the LAN connection on the system card at the front of the 833AS unit to your networked hub.
- 6. Power up unit.
- 7. Verify that the 833AS is attached to the network by checking that the LAN link LED is flashing (located above the LAN connector on the system card).

Setting a valid IP address

To input the IP Address into the unit:

- 1. On the front panel, Press ► to display; **Manager setup**
- 2. Press ▼ to display: **IP Address**
- 3. To enter an IP address, press **Enter** to go to Edit mode and change each digit of the IP Address using the arrow keys until it displays the IP Address of the unit. **IP Address 172.16.47.34**  
When completed, press **Enter** to accept.
- 4. Press ▼ then enter the IP subnet mask if required. To edit, press **Enter** to go to Edit mode and change each digit of the subnet mask using the arrow keys. **IP Subnet Mask 255.255.0.0**  
When completed press **Enter** to accept.
- 5. Press ▼ then enter the default gateway address if applicable to your network configuration. This parameter is optional and if not applicable to your network environment proceed to step 6..To edit, press **Enter** to go to Edit mode and change each digit of the default gateway address using the arrow keys.  
When completed press **Enter** to accept.
- 6. Re-boot your unit.

## Configuring the Perle 833AS

### Note

The default user ID for an unconfigured unit is: **superusr**. If this is the first time this unit is connecting to the Manager software you need to Download firmware to the unit.

You configure the 833AS with the 833AS Manager software supplied with the unit. The 833AS Manager is a Microsoft Windows application that configures, monitors and manages 833AS Servers.

### Installing the Manager Software

To install the 833AS Manager software, follow these steps:

1. Locate the 833AS Manager software on the product CD-ROM.
2. Run the 833AS Manager software.
3. Follow the prompts that appear on the screen.

### Connecting to the Server

However, the 833AS requires the following IP parameters to be set in order for the manager software to communicate over

- IP Address
- IP Subnet mask
- IP Default Router Address (optional)

To connect to an 833AS unit, perform the following steps:

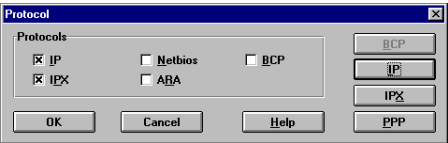
1. Start the Manager software.
2. From the Server List now displayed, select the server you wish to connect to.
3. Connect to the server and login as **superusr**.

### Starting the Manager software

1. In the Windows desktop, click on Start>Programs>Perle833AS Manager>Perle833 Manager

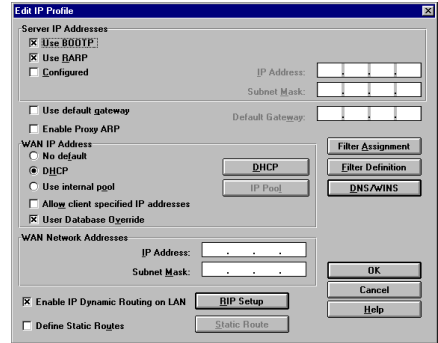
### Setting IP addresses

1. In the Manager window, click on the **New** button.
2. Within the Config screen now displayed, click on the **Protocol** button.



The Protocol window shows options for configuring network protocols. It includes checkboxes for IP, Netbios, BCP, IPX, ABA, and PPP. The IP checkbox is selected. Buttons for OK, Cancel, Help, BCP, IP, IPX, and PPP are present.

3. In the Protocol window now displayed, use the check boxes to select IP. Now click on the **IP** button.

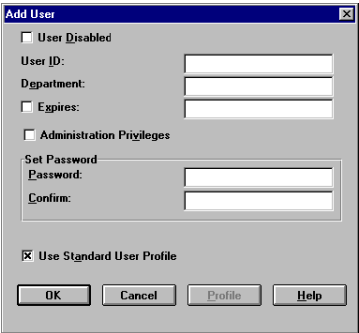


The Edit IP Profile window contains settings for Server IP Addresses, WAN IP Addresses, and WAN Network Addresses. It includes fields for IP Address, Subnet Mask, and Default Gateway. There are also buttons for DHCP, IP Pool, Filter Assignment, Filter Definition, DNS/WINS, and HIP Setup. The 'Use Standard User Profile' checkbox is checked.

4. In the Edit IP profile window now displayed, Check the **Configured** box and enter the **IP Address** and **Subnet Mask** you require.
5. Select the IP address you want for users dialing into the network by selecting either the **DHCP** or **Use internal pool** buttons.
6. If required, enable the **Allow client specified IP addresses** option.
7. In the WAN network Addresses field enter the **IP Address** and **Subnet Mask** you require.
8. If you want users to route through a default gateway enable the **Use default gateway** field then enter the address you want to use.
9. Now click on the **OK** button in the main IP Protocol tabbed window to accept your changes.

### Configuring remote users

1. Within the Config screen, click the **User** button.
2. In the User window now displayed, click on the **Add** button to add a user.



The Add User window allows for creating a new user. It includes fields for User ID, Department, Expires, Set Password, Password, and Confirm. There are checkboxes for User Disabled, Administration Privileges, and Use Standard User Profile. Buttons for OK, Cancel, Profile, and Help are at the bottom.

3. In the Add User window now displayed, enter the ID and password parameters for the new user then click on **OK**.

### Note

You must add at least one user with Administrative privileges.

The default security authentication method is the local user database on the 833AS unit. To modify the security authentication method, see the 833AS User Guide on the CDROM supplied with this product.

### Saving and using your configuration

1. In the Manager config window click on the Save button.
  2. In the Main Manager window, click on the **Configure > Download Configuration** menu option.
  3. Now select **Entire Configuration** and click on the **OK** button to download the entire configuration to the 833AS unit.
- You are now prompted to re-start the unit.

The unit now reboots, and is then ready to use.



# Perle 833AS

RAS Server

## Quick start guide



Contacting Perle Technical Support
<i>Perle offers free technical support to Perle Authorised Distributors and Registered Perle Resellers.</i>
<i>To access technical support please visit the Perle website at <a href="http://www.perle.com/support">www.perle.com/support</a>. Here you will find:</i>
<ul style="list-style-type: none"><li>• latest drivers and firmware updates for download</li><li>• technical tips</li><li>• frequently asked questions</li><li>• documentation</li><li>• configuration support</li><li>• cabling information</li><li>• maintenance contract information</li><li>• and much more...</li></ul>
<i>If you are unable to find the information you require, please feel free to contact our technical support teams by email at:</i>
<b>USA</b>
<i>Email: <a href="mailto:ptac@perle.com">ptac@perle.com</a></i>
<b>Europe</b>
<i>Email: <a href="mailto:ptacemea@perle.com">ptacemea@perle.com</a></i>
<b>Asia</b>
<i>Email: <a href="mailto:ptacasia@perle.com">ptacasia@perle.com</a></i>
<b>Internet</b>
<i><a href="http://www.perle.com/support">www.perle.com/support</a></i>

Perle 833AS Quick Start Guide  
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- Central site dial-in remote access
- LAN to LAN routing