Introduction

This guide covers the basic installation and configuration setup of the Perle 833 Access Server. For further information please refer to the Perle 833 user guide on the CDROM supplied with this product. **Installing your Perle 833**

To install your Perle 833 unit proceed as follows;.

Warning

Always plug the power cord into your 833 unit BEFORE connecting the unit to the mains supply and switching on.

- 1. Mount your Perle 833 on a rack or desk as required.
- 2. Connect and the power cord to the back of the unit.
- 3. Plug in the other end of the power cord to the unit and switch on the supply to power on the unit.

Rack mounting

You can rack mount the unit using the kit provided.



Note

The unit requires 1.5U 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.

Connecting the unit to the LAN

To Set up the 833 LAN connection:

- 1. Power on the 833.
- Select the appropriate language from the scrolling language list displayed on the front panel. Press Enter when the desired language is displayed. Press Enter again to confirm language selection.
- 3. From the front panel, add the IP address and subnet mask
- 4. Power the unit down.
- Plug in the LAN cable from the LAN connection on the system card at the front of the 833 unit to your networked hub.
- 6. Power up unit.
- Verify that the 833 is attached to the network by checking that the LAN link LED is flashing (located next to the LAN connector on the rear of the unit).

Setting a valid IP address

To input the IP Address into the unit:

- On the front panel, press ▼ to display the configuration menu.
- Press ▼ ▼ for LAN configuration. Press Enter to enter the LAN configuration menu options.
- Press ▼ once to display:
 IP Address
- IP Address
- 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.
- 5. 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.
- 6. 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 7..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.
- 7. Re-boot your unit.

Configuring the Perle 833

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

Installing the Manager Software

To install the 833 Manager software, follow these steps:

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

Connecting to the Server

No configuration is required for the Manager to communicate with a 833 using IPX. However, the 833 requires the following IP parameters to be set in order for the manager software to communicate over IP;

- IP Address
- IP Subnet Mask

• IP Default Router Address (optional) To connect to an 833 unit, perform the following steps:

- 1. Start the Manager software.
- 2. Connect to the server and login as superusr.

Starting the Manager software

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

Setting IP addresses

1. In the Manager window, click on the New button.

Server Name PERLE 833	LAN Connect Auto (BNC)	ion IP	Address	MAC Address	Edg
Port: Baud Ra 1:Enabled 384 2:Enabled 384	te: Modem Model: DB Direct DD Direct				<u>E</u> dR
User ID: SuperUsr	Department:	Access: Admin	Call Back: Allowed	Modem Pool:	Add Eopy Edg
∏ User List	Access O Public		Private		Shared Lists

2. Within the Config screen now displayed, click on the Edit button.

P Address:	OK
ubnet <u>M</u> ask:	Cancel
-	Static Route
orden automay.	 Client IP Addresse
Enable IP static routing	Define <u>F</u> ilters
Acquire IP Address	 Help
Use BOOTP	
Use BARP	

3. In the Edit IP Profile window now displayed, enter the IP Address you want then click on the **Client IP Addresses** button.

- Clier	t IP Addresses
IP Address Assignment	IP Address Pool
S Client	Address: Count:
🗵 User List	
Port	
IP Address Pool	Add
DHCP	
DHCP	Remgve
Addressing Mode	
Discover O Specify	
ID Address of	DNS/WINS Server IP Address
IF Audjess.	Primary DNS:
Baa	
	Secondary DNS:
Hemove	Primary WINS:
	Secondany WINS
	Secondary miles.
Lease Duration: 3	
	OK Cancel Help

4. In the Client IP Addresses window now displayed, select the IP Address Assignments you want and click on **OK**.

Setting up Modems

1. In the Manager window, click on the New button.

Config1 - PERLE 833	
Server Name LAN Connection IP Address MAC Address Edg	
Port: Baud Rate: Moden Model: 1:Enabled 38400 Direct 2:Enabled 38400 Direct 	Click
Lien D: Departaset. Access: Call Beck. Modes Pool Sopellur Admin Allowed Coge Cog Cog Cog Cog	
User List Access O Public O Private Shared Lists	
1 Users: <u>Save</u> <u>Close Help</u>	

2. In the Configuration file window now displayed, select the port you want and then click on the **Edit** button (to the right of the ports field).

Poli Disabled				OK
Port Name:	1			Cancel
<u>M</u> odem Model:	Direct			
Dial Prefix:				Help
		_		
Baud <u>R</u> ate:	38400	-		
Baud <u>R</u> ate: JP Address:	38400	-		
Baud <u>R</u> ate:]P Address: Filtering	38400	Port Access		
Baud <u>R</u> ate: [P Address: Filtering <u>B</u> roadcast:	38400	Port Access	Eustor	n Modem
Baud <u>R</u> ate: IP Address: Filtering <u>B</u> roadcast: Mylticast:	38400 Filter	Post Access	<u>Custor</u>	n Modem

3. In the **Edit Port** screen now displayed, select the modem you wish to use for a port then click on **OK**.

Configuring remote users

1. In the Manager window, click on the New button.

Server Name PERLE 833	LAI	N Connection — uto (BNC)	IP Addre	"'	AAC Address -	Edg
Port: Bau 1:Enabled 2:Enabled	id Rate: Mode 38400 Di 38400 Di	m Hodel: rect rect				<u>E</u> dR
	Depart	ment A	cess: Ca	Back: M	odem Pool	
SuperUsr		۸	dmin All	owed		Add Eopy Edg
User ID: SuperUsr	List Access	A	dmin All	owed Pri <u>v</u> ate		Add Copy Edg Datete Shared Lis

2. In the Configuration file window now displayed, click on the **Add** button to add a user.

*		Add User	
User <u>D</u> isable	1		OK
User ID:	1		Cancel
Department:			Call Back Options.
Expires:			Filter
Protocols			
⊠ JP	X Netbios	B BCP	Help
⊠ IEX	🗵 ABA	Bridging	
Set Password Password: Confirm:			stivity Time Out Disabled If inacti <u>v</u> eminute
Addresses		Ce	onnect Time
Fixed MAC A	ldress:		Unlimited
			Manfanan III i k

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 833 unit. To modify the security authentication method, see the 833 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.
- In the Main Manager window, click on the Configure > Download Configuration menu option.
- Now select Entire Configuration and click on the OK button to download the entire configuration to the 833 unit. You are now prompted to re-start the unit.

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



Contacting Perle Technical Support

Perle offers free technical support to Perle Authorised Distributors and Registered Perle Resellers.

To access technical support please visit the Perle website at www.perle.com/support. Here you will find:

latest drivers and firmware updates for download

technical tips

frequently asked questions

- documentation
 configuration support

cabling information

maintenance contract information
 and much more...

If you are unable to find the information you require, please feel free to contact our technical support teams by email at: USA USA Email: ptac@perle.com Europe Email: ptacemea@perle.com Asia Email: ptacasia@perle.com Internet

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RAS Server

Quick start guide



- Central site dial-in remote access
- LAN to LAN routing