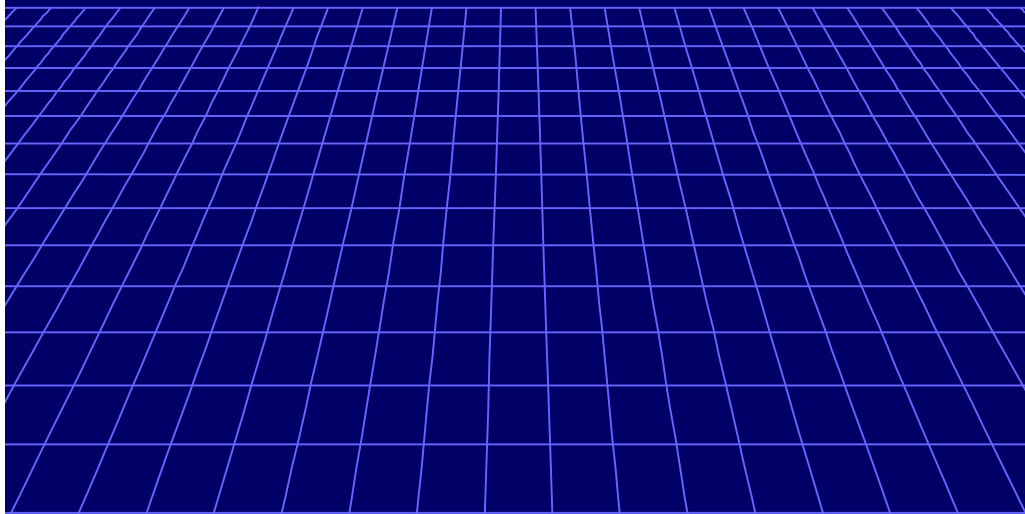


Setup Wizard

- [Introduction](#)
- [Select your Network Device](#)
- [Device IP Address](#)
- [Port Functions](#)
- [Internet Access](#)
- [Remote Access](#)
- [LAN-to-LAN Routing](#)
- [DNS Server IP Address](#)
- [Modem Settings](#)

[**Back to Net-Device Utilities Menu**](#)



Net-Device Utilities Setup Wizard

Setup Wizard



Setup Wizard is a program that will let you configure your network device quickly and easily. Setup Wizard is a step-by-step process that will let you input all the basic settings that are needed to configure your network device for general usage. All settings that are entered here will also be shown in their respective menus in Net-Device Manager.

Setup Wizard will automatically start

After you have installed the Net-Device utilities, you will automatically be brought into Setup Wizard.

To Run Setup Wizard from the Windows Start Menu

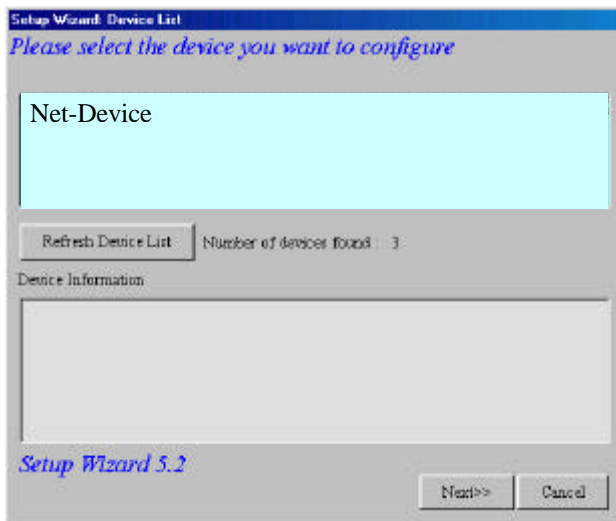
On the Windows 95/98/NT **Start** menu point to **Programs**, then to **Net-Device Manager** and select **Setup Wizard**.

Net-Device Utilities Setup Wizard

Please Select the Device you Wish to Configure

Setup Wizard will automatically check your network for available network devices. Note that only network devices compatible with the Net-Device Utilities will be displayed. You can click the “**Refresh Device List**” button to update this list.

The first thing you must do is select the network device that you will be configuring from the Device List.



Note!

If you can't see your network device listed in the Device List please press the **Refresh Device List** button. If you still can't see it [please click here for further instructions.](#)

Net-Device Utilities Setup Wizard

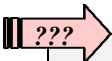
Please Set the device's IP Address and name

The next thing you must do is give your new network device an IP address on your network. This is **NOT** the IP address from your ISP but the local, internal LAN IP address for the device.

The first three octets of every computer's IP address or device on your network should be the same. Setup Wizard will help you by automatically detecting the IP address of your computer and set the first three octets for you. You need only decide the last octet.

If you wish, you can also change the name of your network device to something else. This name can be anything you wish.

The screenshot shows a Windows-style dialog box titled "Setup Wizard: Device IP Address". The main text area contains the following instructions: "Please set the device's local LAN IP address and name", "Please give your new device an internal IP address on your network.", "To help you out, Setup Wizard has determined that your computer's IP address is 213.0.0.111 and has set the first three octets for you below.", "Please enter the last octet of the IP address.", and "You must choose an IP address that no other device on your network is using. If you would like more information on IP addresses please reference the glossary in your Net-Device user's manual." Below the text area, there are two input fields. The first is labeled "Set device's IP address as:" and contains the text "213.0.0.1" with the last digit "1" in a separate box. The second is labeled "The Device Name Will be Set to:" and contains the text "Net-Device". At the bottom of the dialog box are three buttons: "<<Back", "Next>>", and "Cancel".



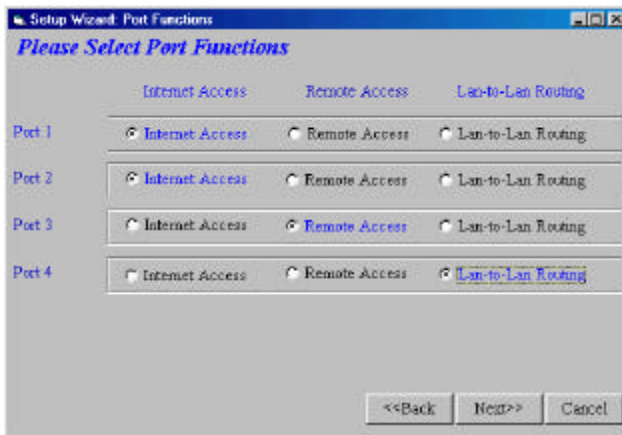
[What is an IP address and how does it work?](#)

Net-Device Utilities Setup Wizard

Please Select Port Functions

The next thing you must do is assign the specific function of each port.

Each port can be selected to fulfill only one specific function. If at a later time you would like to change a port's function you can do so using either Net-Device Manager or Setup Wizard.



In the above example we have selected ports 1 and 2 for Internet Access, port 3 for Remote Access and port 4 for LAN-to-LAN Routing.

Net-Device Utilities Setup Wizard

Please input your ISP Information for Internet Access

If you have selected some ports for Internet Access, the next thing you must do is input your ISP (Internet Service Provider) information. These fields are required to dial-up and login to your ISP when your clients use their Internet applications.

	Telephone	User Name	Password	Password Verification
Port 1	5551232	johlar	***	***
Port 2	5551111	jwong	***	***

Please input your password given to you by your ISP (Internet Service Provider)

<<Back Next>> Cancel

For each port that you have selected for Internet Access you must enter:

Telephone Number

Enter your ISP's telephone number in the **Telephone Number** field.



Net-Device Utilities Setup Wizard

Note!

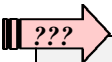
If in your office or company you must dial a number to get an outside line (For example this is often the number “9” or “0”), you should enter the number plus a “w” which will instruct your modem or ISDN TA to wait until a dial-tone is received before dialing. For example the phone number 555-2323 which uses 9 to get an outside line would be entered as **9w555-2323**. Modem and ISDN TAs also supports commas which function as delay variables. So our example number could also be entered as 9,,5552323. Each comma will provide around a 3-4 second delay.

User Name

Enter your username of your ISP account in the **User Name** field.

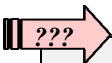
Password

Enter the Password of your ISP account and then re-confirm it by entering it again in the **Password Verification** field.



How can I input a 2nd backup ISP?

You need to use a login script. [Click here for more info.](#)



How does my network device share one IP address?

It uses NAT. [Click here for more info.](#)

Net-Device Utilities Setup Wizard

Bundling Modem/TA Channels (ML-PPP)

What is ML-PPP?

MODEMS

If you would like to bundle two or more **Modem** channels together you can use your network device's ML-PPP function. After you finish Setup Wizard press the **Run Manager** button which will bring you into Net-Device Manager. Go into the Dial-up Hang-up Settings and enable **ML-PPP**.

ISDN TAs

If you would like to bundle your two ISDN TA B-channels together:

- 1) You may need to enter the two phone numbers in the **Telephone Number** field depending on what your ISP supports. Usually ISDN TAs support either the "+" or "&" command so when entering the phone numbers you can enter them as either, for example, "555-2323 + 555-2121" or "555-2323 & 555-2121". If your ISDN TA doesn't support "+" or "&" you should see your ISDN TA user's manual to see how it is possible to enter two phone numbers.
- 2) When you get to the part of Setup Wizard that asks you to select your modem, make sure you select your ISDN TA ML-PPP selection. If your ISDN TA is not listed in the selection list, at the end of Setup Wizard press the **Run Manager** button which will bring you into Net-Device Manager. Then go into [Modem Settings](#) and set the initial string manually.

IMPORTANT! Please note that an ISDN TA's B Channels are bundled together at the ISDN TA and NOT at your network device. This means that if using an ISDN TA's ML-PPP function you should not have ML-PPP enabled on your network device. The enable/disable ML-PPP selection is in [Dial-up/Hang-up Settings](#).

Net-Device Utilities Setup Wizard

Please Input Your Remote Access Settings

If you have selected some ports for Remote Access, the next thing you must do is input your Remote Access Settings and which clients you will allow remote access.

Note!

The configuration that you enter here will apply to all of the remote access ports that you have configured for remote access

Remote Client Authentication

Option A

Use Local Client List

The Local Client List is a user list stored in your network device. When a remote PC user dials-in to your network device, his/her user information will be validated by checking the user information stored in your network device. Your network device can save 64 user names and passwords. Your network device comes with a default user called "guest" which has no password to login. For security reasons you should either delete the user "guest" or give it a password.

Setup Wizard: Remote Access

Please Input Your Remote Access Settings

The settings apply to Port 3Port 4

☒ Use Client List ☐ Use RADIUS Server

Client List

guest	User Name	<input type="text"/>
Karen	Password	<input type="text"/>
Simone	Password Verification	<input type="text"/>
Dave	Callback Type	No Callback
Andrew		

Add Delete

Other Default Remote Access Settings are
Remote Access authentication method is "None"
Remote User IP address is automatically assigned
TCP/IP and IPX/SPX are enabled
IPX/SPX Frame Type: Autodetect

<<Back Next>> Cancel

Net-Device Utilities Setup Wizard

For each Client you should enter a **User Name**, **Password** and the **Callback Type**. Callback is an option that lets you give this client the option of having your network device callback after the client calls your network device. In this way the calling charge is reversed. There are 3 different callback options:

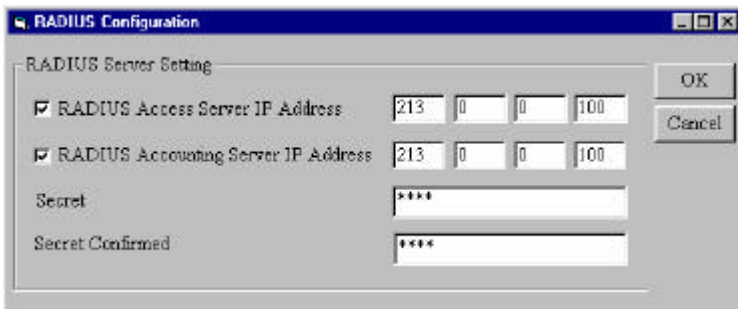
No Callback	If No Callback is selected this remote client user will be restricted from callback service. This is the default identity for the server.
Fixed Callback	If Fixed Callback is selected this remote PC user will be allowed to have callback service but the callback phone number is restricted to a preset phone number. This phone number is defined in the Callback Telephone No field.
Variable Callback	If Variable Callback is selected this remote PC user will be allowed to have callback service and will also be able to specify the callback phone number at dial-up.

Net-Device Utilities Setup Wizard

Option B

Use RADIUS Authentication

Choosing **RADIUS Configuration** will allow you to use the user information (user name, password, etc.) stored on a separate RADIUS server on the network. Basically a RADIUS server is just a popular user/password list that can keep track of accounting information as well as dial-in privileges. When a remote PC user dials-in to your network device, his/her user information will be validated by checking the user information stored in the network RADIUS server. RADIUS configuration is generally used for large companies or ISPs (Internet Service Providers) to keep track of many remote users.



The screenshot shows a window titled "RADIUS Configuration" with a standard Windows-style title bar (minimize, maximize, close buttons). The window contains a section titled "RADIUS Server Setting". Inside this section, there are two checked checkboxes: "RADIUS Access Server IP Address" and "RADIUS Accounting Server IP Address". Each checkbox is followed by a text input field containing the IP address "213.0.0.100". Below these, there are two more text input fields labeled "Secret" and "Secret Confirmed", both containing four asterisks "****". To the right of the input fields are two buttons: "OK" and "Cancel".

Net-Device Utilities Setup Wizard

Please Input LAN-to-LAN Routing Settings

If you have selected some ports for LAN-to-LAN Routing, the next thing you must do is input your LAN-to-LAN settings.

Setup Wizard: Lan to Lan Routing

Please Input Lan to Lan Routing Settings

You have selected Port 4 for Lan to Lan routing

Port 4

Remote IP	192	168	1	1	Remote Mask	255	255	255	0
Telephone	555-4321		Outgoing Name	LAN2		Outgoing Password	8888		
						Password Verification	8888		

<<Back Next>> Cancel

Remote IP/Remote Mask

Here you should enter the IP address and netmask of the remote router that you want to route to. For example if your remote subnet has an IP address of **192 . 168 . 1 . X** and the router on your remote network has an IP address of **192 . 168 . 1 . 1** you should enter an IP address of **192 . 168 . 1 . 1** and a netmask of **255 . 255 . 255 . 0**. This will tell your network device to route packets with **192 . 168 . 1 . X** through this LAN-to-LAN routing port to **192 . 168 . 1 . 1**.

Net-Device Utilities Setup Wizard

Telephone

Enter the telephone number to connect to your other LAN that you wish to do LAN-to-LAN routing with. This other line should be connected to a modem that is also configured to do LAN-to-LAN routing.

Outgoing Name

Enter the user name needed to login to your LAN. This information will be programmed in the network device that is receiving the dial-up call.

Outgoing Password

Enter the password associated with this user name

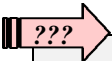
Note!

If you need help in setting up specific LAN-to-LAN routing applications please [see the LAN-to-LAN applications guide at the end of the manual](#).

Net-Device Utilities Setup Wizard

Please Input your ISP's DNS Server IP Address

Enter the DNS Server IP Address provided to you by your ISP. This information is usually provided to you with the information package given to you by your ISP. If you can't find your ISP's DNS Server IP address your easiest solution is probably just to give someone at your ISP a telephone call and ask them for their DNS Server IP address.



[What is a DNS Server IP address?](#)

Setup Wizard: DNS IP Address

Please input your ISP's DNS Server IP address

Please input your DNS Server IP address provided by your ISP

DNS Server IP Address: 168 95 192 2

<<Back Next>> Cancel

Net-Device Utilities Setup Wizard

Please Select Modem and Set Baudrate

The last step is to enter the modem that you are using and the DTE baudrate (i.e the speed of communication between your network device and your modem or ISDN TA). This is a very important setting and determines the communication between your network device's serial port(s) and modem(s).



Modem

You can use the **Select Modem** button to select your Modem or ISDN TA. This setting will configure the initial string in your network device so that it will know how to communicate with your modem. If you are using an analog modem in most cases the default setting of **Standard Modem** will work.

Net-Device Utilities Setup Wizard

Note!

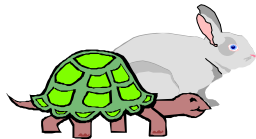
ISDN TA Setup

!!! Extremely Important !!!

If you do not see your ISDN TA listed, you need to enter the initial string for this TA in **Net-Device Manager's Modem Settings** menu. Once you have finished Setup Wizard press the **Run Manager** button and click **Modem Settings** from the main menu. .
[Click here for Modem Settings instructions.](#)

Baudrate

In the Baudrate field select the DTE Speed (i.e the speed of communication between your network device and modem or ISDN TA) Normally this can be about 4 times the speed of your modem for 4 times compression modems.



Note!

The absolute maximum you should set the baudrate for a given port is 4 times the speed of your modem. If you set the baudrate too high, your network device may not be able to dial-up a connection. For example if you have a 14.4Kpbs modem, the highest you should set the baudrate is 57.6Kbps. You should also be aware of the fact that since some ISP connections and phone lines are not of the greatest quality these "compression" baudrates may not be attainable causing your connection not to work. In this case you try setting the baudrate at a lower speed.

Net-Device Utilities
Setup Wizard

Please re-check the setting that you have inputted

Setup Wizard: Finish

Please re-check the settings that you have inputted

Device Settings	Device IP Address is	213.0.0.1
	DNS Server IP Address is	168.95.192.5
Port 1 (Internet Access)	Telephone Number	555-2323
	User Name	XCHIAN
	Modem:	[Standard Modem]
	Baudrate:	115200

<<Back Finish Cancel

....Press Finish to Complete Setup Wizard

Net-Device Utilities Setup Wizard

You Have Now Completed Setup Wizard

1) Net-Device Manager

If you need to go into Net-Device manager to configure more advanced settings, you can open the program directly by pressing the **Run Manager** button.

2) Internet Access

If you have set one or more ports of your network device for Internet Access and don't need to configure anything else in Net-Device Manager please use Net-Device Monitor's **Test Connection** function to see if your network device can dial-up a connection with the settings that you have configured. You can access Net-Device Monitor by pressing the **Run Monitor** button on the bottom of your screen. Please see [the Net-Device Monitor section](#) for instructions.

3) Remote Access

If you have set one or more ports of your network device for remote access please [click here on instructions on setting up your remote access clients.](#)

4) LAN-to-LAN Routing

If you have set one or more ports of your network device for LAN-to-LAN routing and would like more information on LAN-to-LAN applications please [click here to see the LAN-to-LAN applications guide.](#)