

Getting Connected using Windows NT The topics in this help file will help you set up your Windows NT computer to get connected to EarthLink. Installing Windows NT 4.0 Dial-Up Networking Configuring Windows NT 4.0 Dial-Up Networking Reinstalling Remote Access Services Reinstalling TCP/IP

Installing Windows NT 4.0 Dial-Up Networking To install Windows NT 4.0 dial-up networking (DUN):

- 1. On your desktop, double-click **My Computer**.
- 2. Double-click Dial-up Networking.
 - If you receive a message stating The phonebook is empty, then click OK to add a new entry.
- If the Dial-up Networking window opens with the phonebook list and the option to dial, skip to Configuring Windows NT 4.0 Dial-Up Networking. Otherwise, click Install. Point to the path where your NT4.0 install files are located (for example, D:\i386) and click OK. Windows NT will now install the necessary files onto the hard drive.
- 3. Verify the directory and click the **Continue** button.

Add RAS Device	×
RAS Capable <u>D</u> evices:	OK
COM3 - Sportster 33600 Fax PC Plug ar 💌	Cancel
	<u>H</u> elp
	Install <u>M</u> odem
	Install X25 <u>P</u> ad

From the RAS Capable Devices drop-down list, select your modem then click OK button. 4.

Remote A	Access Setup		×
Port	Device	Туре	
COM3	Sportster 33600 Fax	PC Plug Modem (unimodem	Continue
			Cancel
			<u>N</u> etwork
			<u>H</u> elp
<u>A</u> dd. 5. Click th	<u>R</u> emove <u>Config</u> ention	gure Clone	
Configure	e Port Usage		×
Port: Device:	COM3 Sportster 33600 Fax PC Plug a	and Play Cancel	1
Port Us © Dia C <u>R</u> e C <u>D</u> ia	sage al out only ceive calls only al out and Receive calls	<u>H</u> elp	j

- 6. Select Dial out only.
- 7. Click the **OK** button.

Rem	note Access	Setup		×
Po	ort	Device	Туре	
C	ОМЗ	Sportster 3	3600 Fax PC Plug Modem (unimodem)	Continue
				Cancel
				<u>N</u> etwork
				Halp
	<u>A</u> dd	<u>R</u> emove	<u>C</u> onfigure C <u>l</u> one	
8. C	Click the Netwo	ork button.		
Netv	work Config	uration	×	
	Dial out Protoc	ols:	OK	
	NetBEUI		Cancel	
	I <u>I</u> UP/IP □ UPX		Help	
9. L	Jncheck NetB	EUI.		
10. C 11. U	Check TCP/IP . Jncheck IPX .			
12. C	Click the OK bu	utton.		
Rem	note Access	Setup		×
<u>P</u> o	ort	Device	Туре	(
	UM3	Sportster 3	3500 Fax PC Plug Modem (unimodem)	
				Cancel
				<u>N</u> etwork
				<u>H</u> elp
	<u>A</u> dd	<u>R</u> emove	Configure Clone	

13. Click the Continue button.

Network 🖀 🗈 💌	
Identification Services Protocols Adapters Bindings	
Network Services:	
 Computer Browser NetBIOS Interface RPC Configuration Server Workstation 	
Add <u>Remove</u> <u>Properties</u> <u>Update</u> Description: Distributed protocol required for running the Computer Browser service.	
OK Cancel	
14. Click the Close button.	
Network Settings Change	
You must shut down and restart your computer before the new se Do you want to restart your computer now?	ttings will take effect.
<u>Yes</u> <u>N</u> o	

15. Click the Yes button to restart your computer.

The Add RAS Device window will appear.

If you see your modem listed in the RAS Capable Devices field, then click OK and proceed to the next step. ٠

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• If you do not see a modem listed, then you will need to install a driver for your modem



Configuring Windows NT 4.0 Dial-Up Networking To configure Windows NT 4.0 dial-up networking, perform the following tasks to get your Windows NT 4.,0 computer setup to connect to EarthLink:

- Add a Phonebook Entry for EarthLink ٠
- ٠ Configure your Modem
- Configure your Dial-up Server
- Verify Script Settings ٠
- Verify Security Settings
- Connect to EarthLink



Adding a Phonebook Entry for EarthLink To add a phonebook entry for EarthLink:

- On your desktop, double-click My Computer.
- Deuble eliek Diel un Netwerking
- 2. Double-click Dial-up Networking.
- If you are reinstalling Dial-Up Networking, and you see a list of existing phone book entries, click New to create a new entry.
- By default, there are no entries in the phone book. If you see a message telling you that the phonebook is empty, click OK to open the New Phonebook Entry Wizard window.

New Phonebook Entry \	₩izard
	Dial-Up Networking connects you to remote networks using your modem, ISDN, or other WAN adapter. This wizard helps you create a phonebook entry that stores the settings needed to connect to a particular remote network.
T T	Name the new phonebook <u>e</u> ntry: MyDialUpServer
	I know all about phonebook entries and would rather edit the properties directly
	< <u>B</u> ack Finish Cancel

- 3. Check the box labeled I know all about phonebook entries... and click Finish.
- 4. In the New Phonebook Entry dialog, select the Basic tab.

New Phonebook	Entry			? 🗙
Basic	Server	Script	Security	X.25
<u>E</u> ntry name:	EarthLink			
Co <u>m</u> ment:				
Country code:	United States	s of America	(1) 🔹	
A <u>r</u> ea code:	999	•		
Phone <u>n</u> umber:	999-9999			<u>A</u> lternates
<u>D</u> ial using:	✓ Use Telep Standard 280 ✓ Use anoth	ohony dialing 800 bps Moo her port if bu:	i properties dem (COM1	<u>C</u> onfigure
			OK	Cancel

- 5. Entry name, enter EarthLink.
- 6. Enter the country code and area code of the number you are dialing, plus the phone number itself.
- 7. Check Use Telephony dialing properties.
- 8. Select your modem.

9. Use another port if busy should NOT be checked.

To 1.	Configuring your Modem configure your modem: Click the Configure button on the New Phor	tebook Entry dialog.
	Iodem Configuration	
	Standard 28800 bps Modern (COM1)	
	Initial speed (bps): 38400 🔹	
	Hardware Features	
	Enable hardware flow control	
	Enable modem <u>e</u> rror control	
	Enable modem compression	
	Disable modem speaker	
	OK Cancel	

- 2. Set the **Initial speed (BPS)** to 19,200 if you have a 14.4k modem or 38,400 if you have a 28.8k modem.
- 3. Make sure all three Hardware Features boxes are checked (if applicable) and that **Disable modem speaker** is not checked.
- 4. Click the **OK** button to return to the **New Phonebook Entry** dialog.

Configuring your Dial-Up Server To configure your dial-up server:

1. Select the Server tab on the New Phonebook Entry dialog.

New Phonebo	ok Entry				? ×
Basic	Server	Script	Security	X.25	1.
Dial-up <u>s</u> erve	er type:				
PPP: Windo	ows NT, Window	vs 95 Plus, Inter	net	•	
- Network pr	rotocols				
	IP	T <u>C</u> P/IP	Settings		
□ <u>I</u> PX/S	iPX compatible				
□ <u>N</u> etB	EUI				
I⊻ <u>E</u> nable s	oftware compres	sion			
🔲 🔲 Enable P	'PP <u>L</u> CP extensi	ons			
			OK	Cano	el 🛛

2. The Dial-up server type should be PPP: Windows NT, Windows 95 Plus, Internet.

3. For Network Protocols only TCP/IP should be checked.

4. Make sure Enable software compression is checked, but Enable PPP LCP extensions is NOT checked.

5. Click the TCP/IP settings button.

6. Select Server assigned IP address and Specify name server addresses.

7. In the Primary DNS text box, type 207.217.126.81

8. In the Secondary DNS text box, type 207.217.120.83

9. Leave the Primary WINS and Secondary WINS servers at 0.0.0.0.

10. Check both Use IP header compression and Use default gateway on remote network.

PPP TCP/IP Settings	? ×
Server assigned IP a	ddress
C Specify an I <u>P</u> addres	s s
IP <u>a</u> ddress:	0. 0. 0. 0
O Server assigned name	ne server addresses
Specify name server	addresses
Primary <u>D</u> NS:	207 . 217 . 126 .81
Secondary D <u>N</u> S:	207 . 217 . 120 .83
Primary <u>W</u> INS:	0. 0. 0. 0
Secondary WINS:	0.0.0
Use IP header <u>c</u> ompre	ssion
🔽 Use default gateway o	n remote network
	OK Cancel

 11. Click the OK button to return to the New Phonebook Entry dialog.

Modem Configuration		î X	
Standard 28800 bps Mo	dem (COM1)		
Initial speed (bps): 38	400	•	
Hardware Features			
Enable hardware <u>f</u>	low control		
Enable modem <u>e</u> rr	or control		
Enable modem <u>c</u> o	mpression		
Disable modem <u>s</u> pea	iker		
OK	Canc	el	Varify Script Satting
To verify script settings:			veriny script settings

1. Select the Script tab on the New Phonebook Entry dialog.

New Phonebo	ook Entry			? ×
Basic	Server	Script	Security	X.25
After dialing	g (login) Ip a <u>t</u> erminal win	dow		
C Run t	his <u>s</u> cript: e]			7
		<u>E</u> dit scrip	ot <u>R</u> efre	esh list
			<u>B</u> efore	dialing
			OK	Cancel

2. Make sure None is selected.

Modem Configuration	? X
Standard 28800 bps Modem (COM1)	
Initial speed (bps): 38400	•
Hardware Features	
Enable hardware flow control	
Enable modem error control	
Enable modem compression	
Disable modem <u>s</u> peaker	
OK Canc	el 📔
To verify security settings:	

1. Select the Security tab on the New Phonebook Entry dialog.

lew Phonebo	ok Entry			? >
Basic	Server	Script	Security	X.25
Authentical	tion and encrypti	on policy		
 Accept 	t any authentical	tion including <u>c</u> l	ear text	
C Accep	t only <u>e</u> ncrypted	authentication		
C Accep	t only <u>M</u> icrosoft e	encrypted authe	entication	
	Require <u>d</u> ata end	aryption		
	<u>I</u> se current user	name and pass	word	
Unsave	password			
			OK	Cancel

2. Select Accept any authentication including clear text.

3. Click OK to close the New Phonebook Entry dialog.





To connect to EarthLink:

1. Click the **Dial** button.

The Connect to EarthLink dialog appears.

Connect to E	arthLink 🔹 🛙
Enter a user r remote netwo	name and password with access to the rk domain.
<u>U</u> ser name:	ELN/username
Password:	******
<u>D</u> omain:	
	Save password
	OK Cancel

- 2. Enter **ELN**/ followed by your username in the User name field.
- 3. Enter your password.
- 4. Do not enter a **Domain** name.
- 5. If you are the only person using this computer, check **Save Password** so you won't have to retype your password each time you Connect to the Internet.
- 6. Click **OK** to dial EarthLink.

Once you are connected, a window will appear informing you that you have successfully connected to the Dial-up Server. Click **OK** to close this window.

You are now connected and may use any Internet software such as Internet Explorer (installed with Windows NT) to browse Web content.

Modem Configuration	? ×
Standard 28800 bps Modem (COM1)	
Initial speed (bps): 38400	
Hardware Features	
Enable hardware <u>f</u> low control	
Enable modem error control	
Enable modem compression	
Disable modem <u>s</u> peaker	
OK Cance	Reinstalling Remote Access Service
Removing RAS	-
Adding RAS	



Removing RAS

To remove RAS:

- 1. Click the Start button, point to Settings, and choose Control Panel.
- 2. Double-click the **Network** icon.
- 3. Select the **Services** tab.

Network	?	x
Identification Services Protocols Adapters Bindings Network Services:		1
 Computer Browser NetBIOS Interface Remote Access Service RPC Configuration Server Workstation 		
Add <u>Remove</u> Properties <u>Update</u> Description: Enables users to work offsite as though connected directly to a network.		
OK Cance	əl	

- 4. Select Remote Access Service.
- 5. Click the **Remove** button.

Warning	X
⚠	This action will permanently remove the component from the system. If you wish to reinstall it, you will have to restart the system before doing so.
	Do you still wish to continue?
	<u>Y</u> es <u>N</u> o

6. Click the Yes button. Remote Access Service is no longer listed on the Services tab.

7. Click the **Close** button.

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1. Click the Start button, point to Settings, and choose Control Panel.



From the RAS Capable Devices drop-down list, select your modem then click the OK button.

			,		
Remote Acces	ss Setup				×
Port	Device	Tj	уре		
СОМЗ	Sportster 33600	Fax PC Plug M	lodem (unimoden	n)	Continue
					Cancel
				1	etwork
					<u>H</u> elp
<u>A</u> dd	<u>R</u> emove	Configure	Clone		
3. Click the Cor	nfigure button.				
\bigotimes					
4. Select Dial o	out only.				
5. Click the OK	button.				
6. Click the Net	twork button.				
\bigotimes					
7. Uncheck Net	tBEUI.				
8. Check TCP/I	P.				
9. Uncheck IPX	ζ.				
10. Click the OK	button.				
11. Click the Cor	ntinue button.				
12. Click the Clo	se button.				
\swarrow					





- 1. Click the Start button, point to Settings, and choose Control Panel.
- 2. Double-click the **Network** icon.
- 3. Select the **Protocols** tab.

Network 😰 🛛
Identification Services Protocols Adapters Bindings
Network Protocols:
TCP/IP Protocol
Add <u>Remove</u> <u>Properties</u> <u>Update</u> Description: Transport Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel
 Select TCP/IP. Click the Remove button.



6. Click the Yes button. TCP/IP Protocol is no longer on the Protocols tab.

7. Click the **Close** button.

You will be warned that you have an invalid RAS configuration.

Setup Message Image: Configure and the system of the s



- 1. Click the Start button, point to Settings, and choose Control Panel.
- 2. Double-click the **Network** icon.
- 3. Select the **Protocols** tab.

Network 🛛	×
Identification Services Protocols Adapters Bindings	
Network Protocols:	
Add Bernove Properties Update	
OK Cancel	

4. Click the Add button.

Click the Network Protocol that you want to install, then click OK. If you have an installation disk for this component, click Have Disk. Network Protocol NetBEUI Protocol NetBEUI Protocol Streams Environment TCP/IP Protocol Have Disk TCP/IP Protocol From the list of Network Protocols, select TCP/IP Protocol. Click the OK button. To you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup Not sure, ask your system administrator. Do you wish to use DHCP? You may be prompted for your Windows NT CD-ROM. Vou may be prompted for your Windows NT CD-ROM. Vou may be prompted for your Windows NT files. Setup will look for the files in the location specified below. Description
Network Protocol Network Protocol Network Protocol Network Protocol Network Protocol Network Protocol Have Disk Have Disk UCK Cancel
NetBEUI Protocol NwLink IPX/SPX Compatible Transport Point To Point Tunneling Protocol Streams Environment TCP/IP Protocol If Cancel If the list of Network Protocols, select TCP/IP Protocol. Click the OK button. If you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below.
NWLink IPX/SPX Compatible Transport Point To Point Tunneling Protocol Streams Environment TCP/IP Protocol Iter of the list of Network Protocols, select TCP/IP Protocol. Click the OK button. Click the OK button. If you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below.
Point To Point Tunneling Protocol Streams Environment TCP/IP Protocol Have Disk UNC Cancel Cancel If the list of Network Protocols, select TCP/IP Protocol. Click the OK button. If you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? Yes You may be prompted for your Windows NT CD-ROM. Vindows NT Setup Setup needs to copy some Windows NT files.
Streams Environment TDP/IP Protocol Have Disk Have Disk Cancel From the list of Network Protocols, select TCP/IP Protocol. Click the OK button. If you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? You may be prompted for your Windows NT CD-ROM. Vindows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below. Cancel
 TCP/IP Protocol Have Disk UK Cancel From the list of Network Protocols, select TCP/IP Protocol. Click the OK button. If you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below. Continue
Have Disk OK Cancel . From the list of Network Protocols, select TCP/IP Protocol. . Click the OK button. If you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup Mo You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below. Cancel Cance
Cancel OK Cancel OK Cancel OK Cancel OK Cancel OK Cancel OK Detwork Protocols, select TCP/IP Protocol. Click the OK button. If you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? Yes No You may be prompted for your Windows NT CD-ROM. Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below. Cancel
 Cancel From the list of Network Protocols, select TCP/IP Protocol. Click the OK button. If you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? Yes You may be prompted for your Windows NT CD-ROM. Vindows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below.
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 Click the OK button. If you are asked whether you wish to use DHCP, click the No button. TCP/IP Setup If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? Yes No You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below.
If you are asked whether you wish to use DHCP, click the No button. If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? Yes You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below.
If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? Yes Yes You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below.
If there is a DHCP server on your network, TCP/IP can be configured to dynamically provide an IP address. If you are not sure, ask your system administrator. Do you wish to use DHCP? Yes Yes You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below.
Yes No You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below.
You may be prompted for your Windows NT CD-ROM. Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below. Cancel
Windows NT Setup Setup needs to copy some Windows NT files. Setup will look for the files in the location specified below. Cancel
Setup will look for the files in the location specified below.
Setup will look for the files in the location specified below.
Setup will look for the files in the location specified below.
If you want Setup to look in a different place, type the
new location. When the location is correct, click
Continue.
D:\/386
Verify the path then click the Continue button
Setup Message
Setup has discovered that you have Remote Access Services installed. Do you want to configure RAS to support the TCP/IP protocol?
Cancel
. If you are asked whether you would like to configure RAS to support the TCP/IP protocol, click the OK button.



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11. Uncheck NetBEUI.

- 12. Check TCP/IP.
- 13. Uncheck IPX.
- 14. Click the **OK** button.

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15. Click the **Continue** button.

Network 📧 🗴
Identification Services Protocols Adapters Bindings
Network Protocols:
TCP/IP Protocol
Add <u>Remove</u> <u>Properties</u> <u>Update</u> Description: Transport Control Protocol/Internet Protocol. The default wide area network protocol that provides communication across diverse interconnected networks.
OK Cancel

16. Click the **Close** button.

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