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ALL0276VPN / Wireless 802.11g VPN Router



Package Contents

- **Wireless 802.11g VPN Router**
- **User Guide CD-ROM**
- **Ethernet Network Cable**
- **Power Supply**
- **Quick Installation**
- **User manual**

A. Connect the VPN Router

Step 1:

Before you begin, make sure that you have the setup information for your specific type of Internet connection. The installation technician from your ISP should have left this information with you after installing your broadband connection. If not, you can call your ISP to request the settings.

Step 2:

Make sure that all of your network's hardware is powered off, including the Router, PCs, and cable of DSL modem.

Step 3:

Connect one end of an Ethernet network cable to one of the LAN ports (Labeled 1-4) on the back of the Router (See Figure A-3), and the other end to an Ethernet port on a PC.



Figure A-3

Step 4:

Repeat this step to connect more PCs, a switch, or other network devices to the Router.

Step 5:

Connect a different Ethernet network cable from your cable or DSL modem to the Internet port on the Router's back panel (See Figure A-5). This is the only port that will work for your modem connection.



Figure A-5

Step 6:

Power on the cable or DSL modem.

Step 7:

Connect the power adapter to the Router's Power port (See Figure A-7), and then plug the other end into an electrical outlet.



Figure A-7

**** IMPORTANT: Make sure to use the power adapter that is supplied with the Router. Use of a different power adapter could damage the Router.**



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Step 8:

Power on the following devices in this order: cable or DSL modem, Router, and PCs.

Step 9:

The Power and Internet LEDs on the front panel will light up green as soon as the power adapter is connected properly.

The Power LED will flash for a few seconds. It will light up steady when the self-test is complete.

The Router's hardware installation is now complete.

Process to Step B.



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B. Configure the PCs

For Windows 98, Millennium, and XP using the default interface, refer to the User Manual.

The following instructions apply only to Windows 2000 or XP using the Classic interface (in which the icons and menus look like previous Windows version).

**** Note: Before setting up the Router,
make sure your PCs are configured to
obtain an IP (or TCP/IP) address
automatically from the Router.**

Step 1:

Click the **Start** button. Select **Settings** and click the **Control Panel** icon. Double-click the **Network and Dial-up Connections** icon.

Step 2:

Select the **Local Area Connection** icon for the applicable Ethernet adapter (usually it is the first Local Area Connection Listed). Double-click the **Local Area Connection**. Click the **Properties** button.

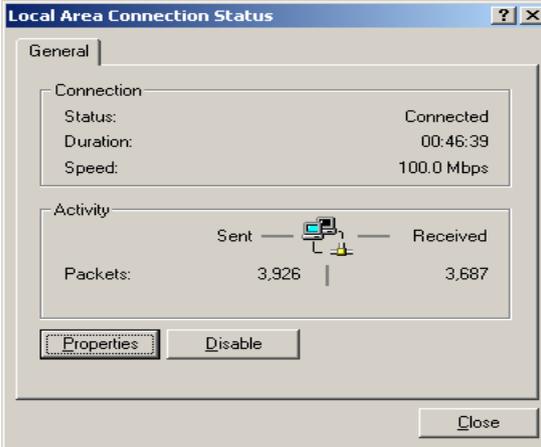


Figure B-2

Step 3:

Make sure the box next to Internet Protocol (TCP/IP) is checked. Highlight **Internet Protocol (TCP/IP)**, and click the **Properties** button.

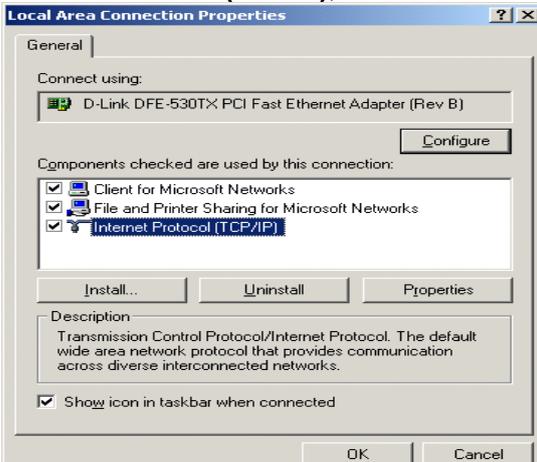


Figure B-3

Step 4:

Select **Obtain an IP address automatically**. Once the new window appears, click the **OK** button. Click the **OK** button again to complete the PC configuration, then restart your computer.

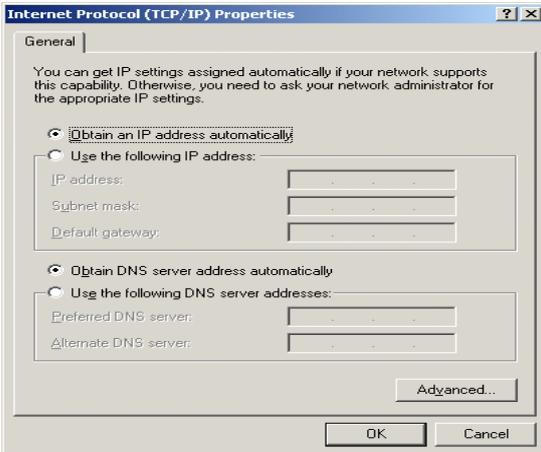


Figure B-4

Process to Step C.

C. Configure the Router

These instructions will show you how to configure the Router. You only need to configure the Router once using any computer you have set up.

Step 1:

Open your web browser. Enter <http://192.168.1.1> in its Address field. Press the Enter Key.



Figure C-1

Step 2:

A password request screen will appear. Enter the default user name and password, **admin**, in lowercase letters in the User Name and Password fields. (For added security, you should later set a new password, using the Administration tab's Management screen of the web-based utility). Then click the **OK** button.



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Step 3:

The web-based utility will appear with the Setup tab selected. (See Figure C-3) If requested by your ISP (usually cable ISPs), complete the Host Name and Domain Name fields, and the MTU and MTU Size fields. Otherwise, leave them blank.

The screenshot displays the 'Setup' page for a 11g VPN Router. The 'Internet Setup' section is selected, showing the following configuration options:

- Internet Connection Type:** Automatic Configuration - DHCP
- IP Address:** 192.168.41.76
- Host Name:** ALLNET
- Domain Name:** ALLNET
- MTU:** Manual (unchecked), Auto (checked)
- MTU Size:** 1492

The **Gateway IP** section shows:

- Local IP Address:** 192.168.1.1
- Subnet Mask:** 255.255.255.0

The **Network Address Server Settings (DHCP)** section shows:

- Local DHCP Server:** Enabled (checked), Disabled (unchecked)
- Start IP Address:** 192.168.1.100
- Number of Address:** 155
- P Address Range:** 192.168.1.100 - 254
- DNS IP Address:** 192.168.1.1

The **Time Setting** section includes a radio button for 'Manually'.

Help text on the right side of the page provides additional information:

- Internet Connection Type:** You may choose from Automatic Configuration - DHCP, Static IP, PPPoE or PPTP. Please check with your Internet Service Provider to verify which type of connection you will need to use.
- Gateway IP:** The router is identified on the network by this address. Use the default value if you are unsure of what this setting should be.
- Network Address Server Setting:** The router is capable of assigning IP addresses to the computers on the network. If you do not have another DHCP server on the network, leave this setting enabled. You may specify the starting IP address, the number of addresses to assign, and the lease time for each address.
- Time Setting:** Your router can automatically synchronize its

Figure C-3

Step 4:

For the Configuration Type setting, four connections types are offered through the dropdown menu. Each Setup screen and available features will differ depending on which connection type you select.

Internet Configuration Type

Automatic Configuration – DHCP: If you are connecting through DHCP or a dynamic IP address from your ISP, keep this default setting. (C-4-1)



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Internet Setup

Internet Connection Type

Automatic Configuration - DHCP

IP Address: 192.168.41.76

Host Name: ALLNET

Domain Name: ALLNET

MTU: Manual Auto

MTU Size: 1492

Optional Settings
(required by some ISPs)

Internet Connection Type: You may choose from Automatic Configuration - DHCP, Static IP, PPPoE, or PPTP. Please check with your Internet Service Provider to verify which type of connection you will need to use.

C-4-1

Static IP: If your ISP assigns you a static IP address, select Static IP from the drop-down menu. Complete the IP Address, Subnet Mask, Gateway, and DNS fields. You need to enter at least one DNS address. (C-4-2)

Setup | 11g VPN Router | ALL02769PH

Setup | Wireless | Security | Access Restrictions | Applications & Services | Administration | Status

Basic Setup | DDNS | MAC Address Clone | Advanced Routing

Internet Setup

Internet Connection Type

Static IP

IP Address: 0 . 0 . 0 . 0

Subnet Mask: 255 . 255 . 255 . 0

Default Gateway: 0 . 0 . 0 . 0

Primary DNS: 0 . 0 . 0 . 0

Secondary DNS: 0 . 0 . 0 . 0

Host Name: ALLNET

Domain Name: ALLNET

MTU: Manual Auto

MTU Size: 1492

Optional Settings
(required by some ISPs)

Internet Connection Type: You may choose from Automatic Configuration - DHCP, Static IP, PPPoE, or PPTP. Please check with your Internet Service Provider to verify which type of connection you will need to use.

C-4-2

PPPoE: If you are connecting through PPPoE, select PPPoE from the drop-down menu. Complete the User Name and Password fields. (C-4-3)



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The screenshot shows the 'Setup' page for a 11g VPN Router (model ALL8276VPN). The 'Internet Setup' tab is active, and the 'Internet Connection Type' is set to 'PPPoE'. The 'User Name' field contains 'ALLNET' and the 'Password' field contains '*****'. The 'Connect on Demand' options are: 'Max Idle Time' set to 5 Min, and 'Keep Alive - Resend Period' set to 30 Sec. The 'Host Name' and 'Domain Name' fields both contain 'ALLNET'. The 'MTU' is set to 'Auto' and the 'MTU Size' is 1492. A sidebar on the right contains the text: 'Internet Connection Type: You may choose from Automatic Configuration, DHCP, Static IP, PPPoE or PPTP. Please check with your Internet Service Provider to verify which type of connection you will need to use.'

C-4-3

PPTP: If you are connecting through PPTP, select PPTP from the drop-down menu. Complete the IP Address, Subnet Mask, Gateway, User Name, and Password fields. Check with your ISP for the necessary setup information. (C-4-4)

The screenshot shows the 'Setup' page for a 11g VPN Router (model ALL8276VPN). The 'Internet Setup' tab is active, and the 'Internet Connection Type' is set to 'PPTP'. The 'IP Address' field is '0.0.0.0', 'Subnet Mask' is '0.0.0.0', and 'Default Gateway' is '0.0.0.0'. The 'User Name' and 'Password' fields are empty. The 'Connect on Demand' options are: 'Max Idle Time' set to 5 Min, and 'Keep Alive - Resend Period' set to 30 Sec. The 'Host Name' and 'Domain Name' fields both contain 'ALLNET'. The 'MTU' is set to 'Auto' and the 'MTU Size' is 1492. A sidebar on the right contains the text: 'Internet Connection Type: You may choose from Automatic Configuration, DHCP, Static IP, PPPoE or PPTP. Please check with your Internet Service Provider to verify which type of connection you will need to use.'

C-4-4

Step 5:

When you are finished entering your Internet connection settings, click the **Save Settings** button to save your changes.



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Step 6:

To configure the Router for your wireless network, select the Wireless Tab's Basic Wireless Settings screen. (See Figure C-6-1)



C-6-1

Step 7:

Select the Wireless Network Mode:

Mixed: If you have Wireless-G and 802.11b devices in your network, then keep the default setting, **Mixed**.

G-Only: If you have only Wireless-G devices, select **G-Only**.

B-Only: If you have only Wireless-G devices, select **B-Only**.

Disable: If you want to disable wireless networking, select **Disable**.



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Step 8:

Wireless Network Name (SSID).

The SSID is the network name shared among all points in a wireless network. The SSID must be identical for all points in the wireless network. It is case-sensitive and must not exceed 32 characters (use any of the characters on the keyboard). Make sure this setting is the same for all points in your wireless network. For added security, you should change the default SSID (**Wireless-g**) to a unique name.

Step 9:

Wireless Channel.

Select the appropriate channel from the list provided to correspond with your network settings. All devices in your wireless network must be broadcast on the same channel in order to function correctly.

Step 10:

Wireless SSID Broadcast.

When wireless clients survey the local area for wireless networks to associate with, they will detect the SSID broadcast by the Router. To broadcast the Router's SSID, keep the default setting, **Enable**. If you do not want to broadcast the Router's SSID, then select **Disable**.

Step 11:

Change the these settings as described here and click the **Save Settings** button to apply your changes.

Step 12:

Restart your computer.

Step 13:

Test the setup by opening your web browser from any computer and entering [http:// www.allnet.de](http://www.allnet.de) . The installation of the VPN Router is complete!!

****NOTE: For more advanced settings and security options, refer to the User manual on the User Guide CD-ROM.**