

DWG Series ADSL2+ Router Quick Installation Manual

1 Appearance



Figure 1 DWG series rear view

2 Packing List

- One DWG series ADSL2+ router
- One power adapter
- One telephone cable
- One Ethernet cable
- One USB cable
- Two screws and two anchors
- One Quick Installation Manual
- One CD
- Certificate of Quality

3 Hardware Installation

3.1 Installing ADSL Line

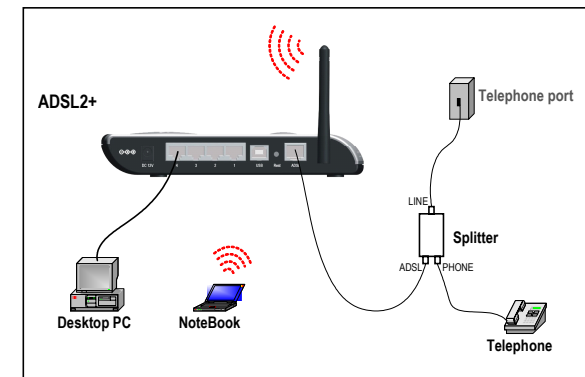


Figure 2 Installing ADSL Line

Two options are available for ADSL line connections:

- Direct connect the ADSL line (same as a regular telephone port) to the wall telephone line outlet.
- As shown in Figure 2, Connect the ADSL port and a telephone set to a splitter, and then the splitter to the wall outlet of telephone line. Thus you may place phone calls when accessing the Internet.

3.2 Connecting to PC or Ethernet

You can use crossover or straight through cables to connect the PC, HUB, or switch to the MDI/MDIX auto-sensing interface of WDR series ADSL2+ router.

3.3 Connecting the Power Cord

- (1) Attach one end of the power cord to the router and the other end to power outlet. The power cord is accessory of the router.
- (2) Observe the LED status one minute later. The following table lists the LEDs and their normal expected status.

Table 1 LEDs

LED	Normal status
Power	The LED stays green. Check the power cord connection if the LED stays off.
Link	The blinking of the LED indicates the ADSL activation and 20 to 30 seconds later, the LED stays green.
LAN	The green LED stays on. The blinking of the green LED indicates the data transmission on the Ethernet port.
Diag	This LED is off. If this LED turns on, contact the agents for help.

3.4 Configuring to Obtain an IP Address Automatically

Take the operation in the Windows 2000/XP operating system for example. The steps are as follows:

- (1) Click the <Start> button and choose the Settings > Control Panel options. Double-click on the Network Dial-up Connections icon from the Control Panel window.
- (2) Right-click on the Local Area Connection icon and select the Properties from the pop-up menu. Next, choose the Internet Protocol (TCP/IP) from the Local Area Connection Properties tabbed interface and click <Properties> to proceed.
- (3) When the Internet Protocol (TCP/IP) Properties interface pops up, select the Obtain an IP address automatically and Obtain DNS server address automatically options, then click <OK>.

3.5 Logon

- (1) Check the configuration of the proxy server. Disable the proxy server first when the PC is accessing the Internet through proxy server.
- (2) Use the Web browser. Enter *http://192.168.1.1* in the address bar (by default, the IP address of the WDR ADSL2+ router is 192.168.1.1).
- (3) Log onto the Web setup manager. A new window appears prompting you to enter the user name and password. For the first logon, use the default administrator user name *admin* with the password *admin*. The password can be modified after entering the management interface.



Figure 3 Entering the user name and password

4 Setup

After you log onto the Web page, follow the simple steps to finish the quick configuration:

(1) Click <Quick Start> from the Navigation bar to the Quick Start window. Select the PPPoE as the login type, and then input the user name and password assigned by ISP. You may leave the Service Name box untouched. Then click <Save Settings> to proceed.

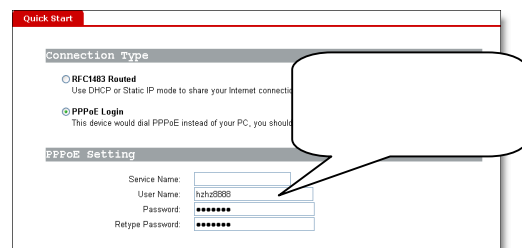


Figure 4 Setting parameters

(2) Click <Status> from the Navigation bar to enter the Status tabbed page. You can find that the IP Address item presents an IP address of the public network instead of the original 0.0.0.0.

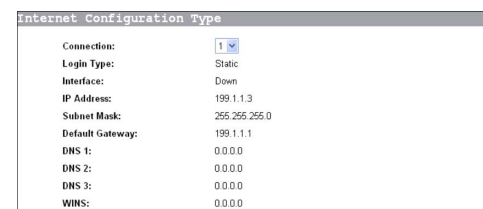


Figure 5 Checking status

(3) If you obtain no public IP address, click <WAN Setup> from the Navigation bar. Then you can view the VPI/VCI value that the system detects automatically. If the values are incorrect, select the Disable option and input the values manually. For the correct VPI/VCI value, contact your local ISP.

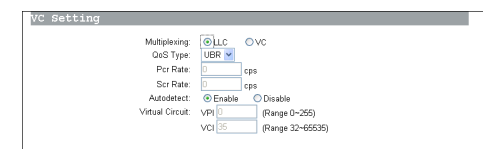


Figure 6 Checking the VPI/VCI value

At last, click <Save Settings> in the WAN tabbed interface to finish the configuration.



Figure 7 Save settings

5 Quick Troubleshooting

Table 2 Quick troubleshooting

Symptom	Solution
The ADSL Link LED stays OFF.	The RJ-11 telephone cable must be used and connected to the ADSL and telephone ports correctly.
Access to the Internet fails.	Make sure that: 1) You have followed all the steps described above and found no problems. 2) The IP address of your PC is in the range of allocated valid addresses. To check it, select the Run option from the Start menu. In the pop-up window, input winipcfg (in Win98 operating system) or ipconfig (in Win2000/XP operating system) for the IP address checking. 3) You can ping the IP address of the gateway (192.168.1.1). 4) You have performed the correct DNS configuration on your PC. 5) You have disabled the proxy server. 6) The correct VPI/VCI value is set on the WAN Setup window.
You forget the login password.	Both of the default user name and password are admin . If you have changed the password but forget it, press the Reset button for 5 seconds to restore the default settings on the router. Then you can access the Web page with the default user name and password. Note: The reset function restores the settings to the factory default settings.
Access to the router Web pages fails.	Make sure that: 1) The LAN LED is ON. 2) The settings of TCP/IP properties are correct. 3) You have entered the correct user name and password. If you still cannot access the router Web pages, press the Reset button for 5 seconds to restore the default settings.
The modification on the Web pages fails to save.	You need to click <Save Settings> to save every modification that you have made.

FCC Caution:

1. This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
 - (1) This device may not cause harmful interference, and
 - (2) This device must accept any interference received, including interference that may cause undesired operation.
2. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.
3. Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user authority to operate the equipment.
4. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
 - Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help.
5. This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.