D-Link

Quick Installation Guide

DIR-620

Multifunction Wireless Router Supporting GSM, CDMA, WiMAX with Built-in 4-port Switch

BEFORE YOU BEGIN

Delivery Package

- Multifunction wireless router DIR-620
- Power adapter DC 5V/2.5A
- Ethernet cable (CAT 5E)
- CD-ROM with "***User Manual***" and "***Quick Installation Guide***"
- "***Quick Installation Guide***" (brochure)

If any of the items are missing, please contact your reseller.

! **Using a power supply with a different voltage rating than the one included will cause damage and void the warranty for this product.**

Default Settings

IP address of router	`192.168.0.1`
Username (login)	`admin`
Password	`admin`
Name of wireless network (SSID)	`DIR-620`

System Requirements and Equipment

- A computer with any operating system that supports a web browser.
- A web browser to access the web-based interface of the router: Windows Internet Explorer, Mozilla Firefox, Google Chrome, or Opera.
- A NIC (Ethernet or Wi-Fi adapter) to connect to the router.
- An 802.11b, g, or n Wi-Fi adapter to create a wireless network.
- A WiMAX USB modem[1] to connect to the Internet via a WiMAX network[2].

! Some WiMAX operators require subscribers to activate their WiMAX USB modems prior to using it. Please, refer to connection guidelines provided by your operator when concluding the agreement or placed on its website.

- A GSM or CDMA USB modem[1] to connect to the Internet via GSM or CDMA networks[2].

! Your GSM or CDMA USB modem should be equipped with an active identification card (SIM or R-UIM) of your operator.

1 For the list of recommended USB modems, refer to the ***Supported USB Modems*** section of the "***User Manual***" document.

2 Contact your mobile operator to check whether the relevant service is subscribed and to get information on the service coverage and fees.

CONNECTING TO PC (OS WINDOWS XP)

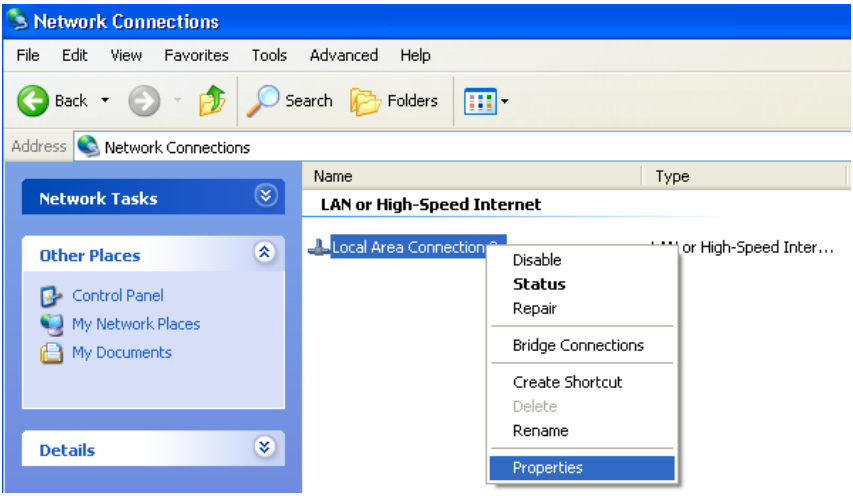
PC with Ethernet Adapter

1. Power off your PC.
2. Connect an Ethernet cable between any of LAN ports located on the back panel of the router and the Ethernet port of your PC.
3. To connect via a WiMAX, CDMA or GSM network: connect your USB modem to the USB port[3] on the front panel of the router.
4. Connect the power cord to the port 5V-2.5A on the back panel of the router, then plug the power adapter into an electrical outlet or power strip.
5. Turn on your PC and wait until your operating system is completely loaded.

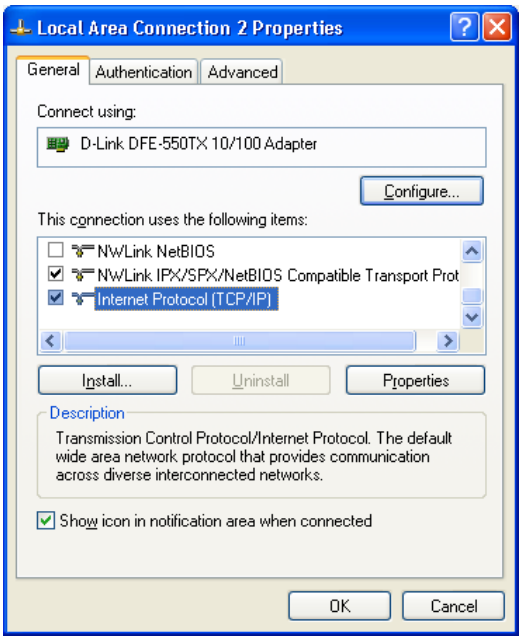
Now you should configure your PC to obtain an IP address automatically (as DHCP client).

1. Click the **Start** button and proceed to the **Control Panel > Network and Internet Connections > Network Connections** window.
2. In the **Network Connections** window, right-click the relevant **Local Area Connection** icon and select the **Properties** line in the menu displayed.

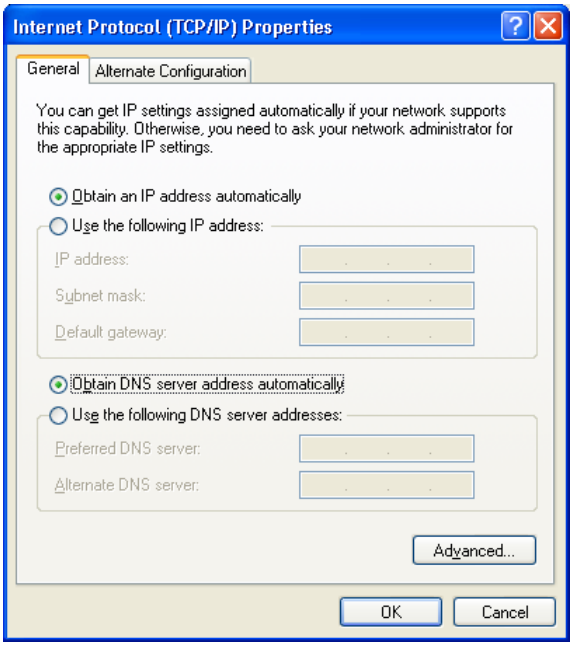
3 It is recommended to a USB extension cable to connect a USB modem to the router.



3. In the **Local Area Connection Properties** window, on the **General** tab, in the **This connection uses the following items** section, select the **Internet Protocol (TCI/IP)** line. Click the **Properties** button.



4. Select the **Obtain an IP address automatically** radio button. Click the **OK** button.



Click the **OK** button. Now your computer is configured to obtain an IP address automatically.

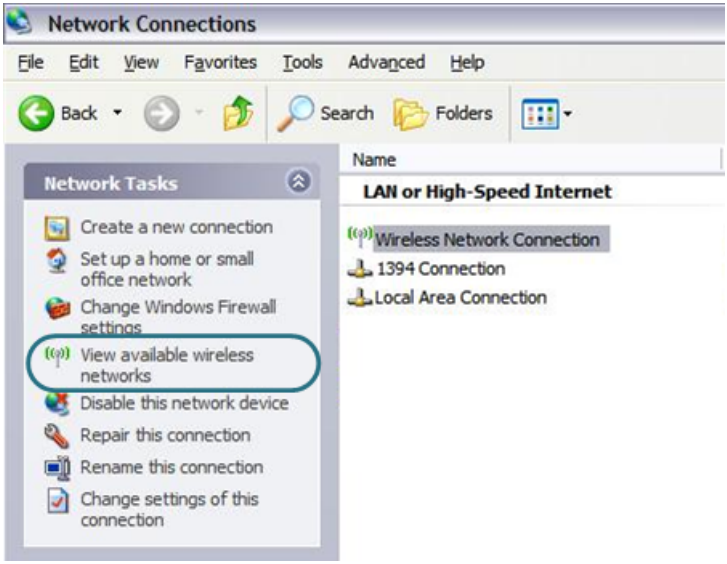
PC with Wi-Fi Adapter

1. To connect via a WiMAX, CDMA or GSM network: connect your USB modem to the USB port[4] on the front panel of the router.
2. Connect the power cord to the port 5V-2.5A on the back panel of the router, then plug the power adapter into an electrical outlet or power strip.
3. Turn on your PC and wait until your operating system is completely loaded.
4. Turn on your Wi-Fi adapter.

4 It is recommended to a USB extension cable to connect a USB modem to the router.

Now you should configure your Wi-Fi adapter.

1. Click the **Start** button and proceed to the **Control Panel > Network and Internet Connections > Network Connections** window.
2. Select the icon of the wireless connection and make sure that your Wi-Fi adapter is on.



3. Search for available wireless networks.
4. In the opened **Wireless Network Connection** window, select the needed wireless network (**DIR-620**) and click the **Connect** button.

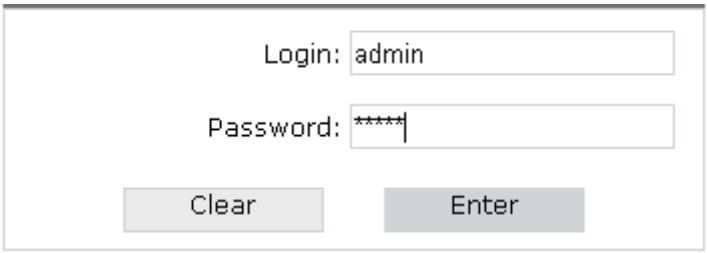
After that the **Wireless Network Connection Status** window appears.

CONFIGURING ROUTER

Connecting to Web-based Interface

1. Start a web browser.
2. In the address bar of the web browser, enter the IP address of the router (by default, the following IP address is specified: **192.168.0.1**). Press the **Enter** key.

3. On the opened page, enter the username (login) and password for the administrator account (by default, the following username and password are specified: **admin**, **admin**). Then click the **Enter** button.



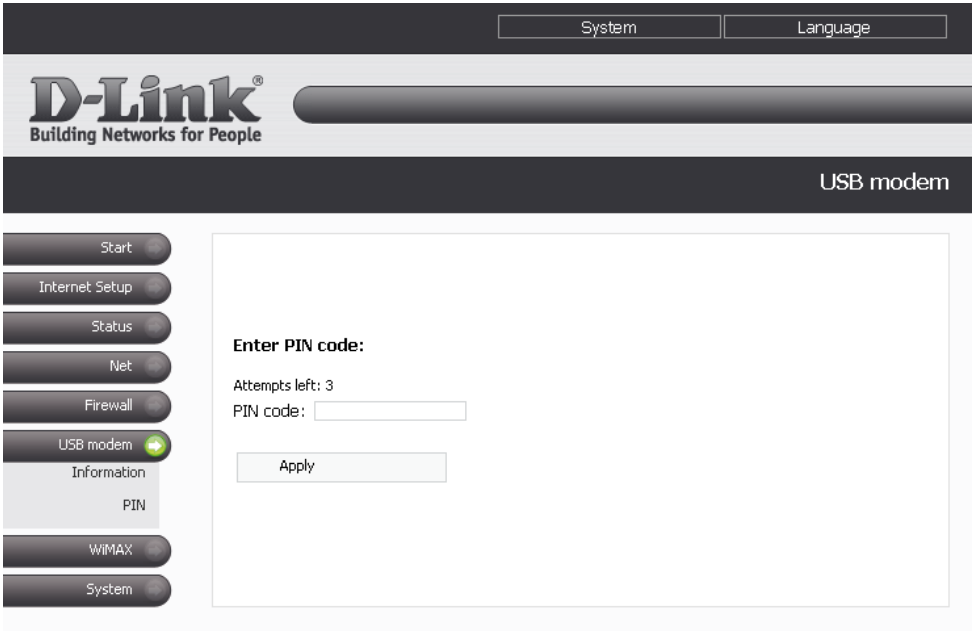
! If the error "*The page cannot be displayed*" (or "*Unable to display the page*"/"*Could not connect to remote server*") occurs upon connecting to the web-based interface of the router, make sure that you have properly connected the router to your computer.

After successful registration the system statistics page opens. The page displays general information on the router and its software.

! It is strongly recommended to change the administrator password upon initial configuration of the router. To do this, proceed to the **System > Administrator password** page.

The web-based interface of the router is bilingual (English/Russian). Select a needed language from the menu displayed when the mouse pointer is over the **Language** caption. You can change the language of the web-based interface in any menu item.

If the PIN code check is enabled for the identification card of your CDMA or GSM USB modem, the page for checking the PIN code is displayed after logging in to the web-based interface of the router.



Enter the PIN code in the relevant field and click the **Apply** button.

Configure the Internet connection in accordance with data given to you by the relevant operator or provider when concluding the agreement or by its customer service. Make sure that you have obtained all necessary information prior to configuring your connection.

Connection via WiMAX network

If you want the router to connect to the Internet via a WiMAX USB modem automatically after turning on, follow the steps below:

1. Proceed to the **Net > Network interfaces** page.
2. Follow the **WIMAX** link.
3. Select an interface type according to data of your WiMAX operator (**Static**, **DHCP**, or **PPPoE**). If you have selected the **Static** type, specify the needed settings.
4. Select the **Auto** choice of the **Start** radio button to enable automatic start of the WIMAX interface upon turning on of the router.
5. Click the **Change** button.
6. On the **Net > Network interfaces** page, follow the **WAN** link.
7. Select the **Manual** choice of the **Start** radio button to disable automatic start of the WAN interface upon turning on of the router.
8. Click the **Change** button.

Connection via CDMA or GSM Network

If you want the router to connect to the Internet via a CDMA or GSM USB modem automatically after turning on, follow the steps below:

1. Proceed to the **USB modem > Information** page.
2. Select a value corresponding to the network type you want to use from the **Enable USB modem** drop-down list.

- **For a CDMA USB modem:**

EVDO+1X The modem connects to the EVDO network. If unavailable, connects to the 1X network.

EVDO only The modem connects to the EVDO network only.

1X only The modem connects to the 1X network only.

- **For a GSM USB modem:**

3G 2G The modem connects to the 3G network. If unavailable, connects to the 2G network.

2G 3G The modem connects to the 2G network. If unavailable, connects to the 3G network.

3G The modem connects to the 3G network only.

2G The modem connects to the 2G network only.

3. Proceed to the **Internet Setup > Connection Settings** page to specify parameters for the Internet connection.
4. Select the **USB Adapter** value from the **Internet connection interface** drop-down list.
5. From the **Operator** drop-down list, select an operator which network will be used to connect to the Internet (an identification card of the relevant operator is required). Make sure that values of the **User name**, **Password**, **Dial number** and **APN** fields correspond to the data given to you by the operator.

You can create your own profile containing all needed setting. To do so, select the **<custom>** value from the drop-down list. After configuring the profile settings and clicking the **Change** button, the new profile with the name from the **Operator name** field appears in the list.

6. From the **Reconnect mode** drop-down list, select the **Always On** value.
7. Click the **Change** button.

Wired Connection

! If your ISP uses MAC address binding, assign the MAC address registered by your ISP upon concluding the agreement to the WAN interface. To assign the MAC address of the network interface card (of the computer that is being used to configure the router), click the **Client MAC-address** button.

Configuring Static IP or Dynamic IP (DHCP) Connection

1. Proceed to the **Net > Network interfaces** page.
2. Follow the **WAN** link.
3. Select a needed value from the **Interface type** drop-down list.
4. For a Static IP connection, populate the fields in accordance with data provided by your ISP.
5. Select a method for starting this interface (select the **Auto** choice to enable the interface auto-start upon the boot-up of the router, or select the **Manual** choice to start the interface manually in the web-based interface).
6. Click the **Change** button.

Configuring PPTP or L2TP Connection

1. Proceed to the **Net > Network interfaces** page.
2. Follow the **WAN** link.
3. Select a needed value from the **Interface type** drop-down list (for the static IP address you also need to populate the **IP address**, **Mask** and **Default gateway** fields).
4. Select a method for starting this interface (select the **Auto** choice to enable the interface auto-start upon the boot-up of the router, or select the **Manual** choice to start the interface manually in the web-based interface).
5. Click the **Change** button.
6. Proceed to the **Net > P-t-p interfaces** page.

7. Click the **Add** link.
8. Select a value from the **Interface type** drop-down list.

To create a **PPTP** or **L2TP** connection, select the **PPTP** or **L2TP** value correspondingly from the **Interface type** drop-down list, and populate the fields in accordance with data provided by your ISP. Then select a method for starting this interface and click the **Change** button.

Configuring PPPoE Connection

1. Proceed to the **Net > Network interfaces page**.
2. Follow the **WAN** link.
3. Select the **PPPoE** value from the **Interface type** drop-down list.
4. Select a method for starting this interface (select the **Auto** choice to enable the interface auto-start upon the boot-up of the router, or select the **Manual** choice to start the interface manually in the web-based interface) and click the **Change** button.
5. If further configuration of the PPPoE interface is needed, proceed to the **Net > P-t-p interfaces** page.
6. Click the **Add** link.
7. Select the PPPoE value from the Interface type drop-down list.

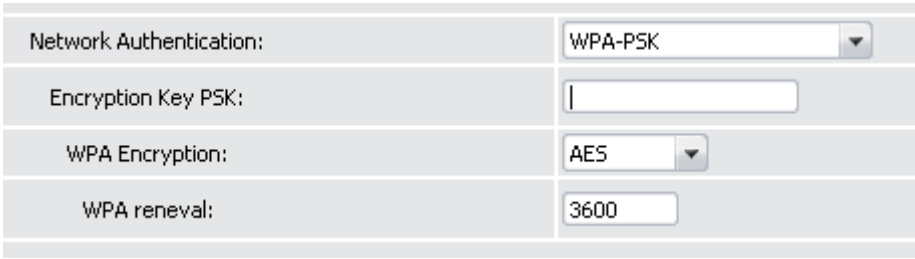
Populate the fields in accordance with data provided by your ISP. Then select a method for starting this interface and click the **Change** button.

Wireless Network

By default, the wireless network of the router is open (it requires no password to access it). To avoid unauthorized access to your wireless local area network, change the default settings of the router.

Example of Wireless Settings

1. Proceed to the **Net > Wireless** page.
2. Proceed to the **Security settings** tab.
3. Select the **WPA-PSK** value from the **Network Authentication** drop-down list.



4. Enter a key (a password that will be used to access your wireless network) in the **Encryption Key PSK** field. Use only digits and Latin characters (it is also possible to use the symbols @ (at sign) and – (hyphen)).
5. Select the **AES** value from the **WPA Encryption** drop-down list.
6. Click the **Change** button.

! If you perform initial configuration of the router via Wi-Fi connection, note that immediately after changing the wireless default settings you will need to reconfigure the wireless connection using the newly specified settings.

Administrator Password

It is highly recommended to change the administrator password used to access the web-based interface of the router upon initial configuration. This helps you to improve your network security.

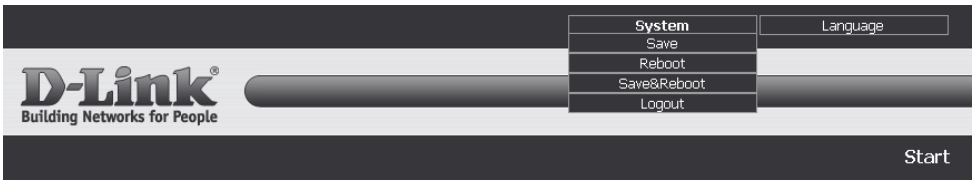
1. Go to the **System > Administrator password** page.
2. Enter a new password for the administrator account in the **Password** and **Password confirmation** fields. Use digits and Latin characters.
3. Click the **Change** button.

! Remember or write down the new password for the administrator account. In case of losing the new password, you can access the web-based interface of the router only after restoring the factory default settings via the hardware Reset button. This procedure wipes out all settings that you have configured for your router.

Saving Settings to Non-volatile Memory

In order to avoid losing the new settings upon hardware reboot (accidental or intentional power-off of the device), it is required to save the settings to the non-volatile memory of the router.

Click the **Save&Reboot** line in the top-page menu displayed when the mouse pointer is over the **System** caption.



Wait until the router is rebooted. Now you can use it to access the Internet or access the web-based interface of the router to configure additional parameters (for detailed description of every page of the web-based interface, see the "***User Manual***" document).

TECHNICAL SUPPORT

You can find software updates and user documentation on our website.

D-Link provides its customers with free support within the product's warranty period.

Customers can contact the technical support group by phone or by e-mail/Internet.

FOR TELEPHONE NUMBERS AND ADDRESSES OF D-LINK OFFICES WORLDWIDE VISIT

http://www.dlink.com/corporate/worldwideoffices/