



DSL-2640U

Wireless N150 ADSL2+ Router

BEFORE YOU BEGIN

Delivery Package

- Router DSL-2640U
- Power adapter DC 12V/0.5A
- RJ-11 telephone cable
- Ethernet cable
- Splitter
- “*Quick Installation Guide*” (brochure).

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

The “*User Manual*” and “*Quick Installation Guide*” documents are available on D-Link website (see www.dlink.ru).

! 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

Domain name of device	<code>dlinkrouter.local.</code>
IP address of device	<code>192.168.1.1</code>
Username (login)	<code>admin</code>
Password	<code>admin</code>
Name of wireless network (SSID)	<code>DSL-2640U</code>
Network key (PSK)	see WPS PIN on the barcode label on the back panel of the device

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:
 - Apple Safari 8 and later
 - Google Chrome 48 and later
 - Microsoft Internet Explorer 10 and later
 - Microsoft Edge 20.10240 and later
 - Mozilla Firefox 44 and later
 - Opera 35 and later.
- 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.

CONNECTING TO PC

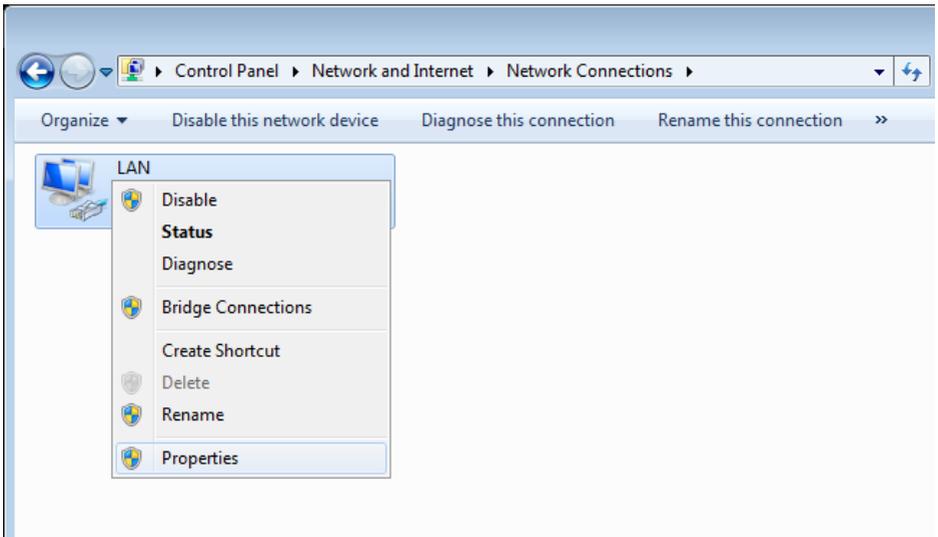
PC with Ethernet Adapter

1. Connect an Ethernet cable between any of LAN ports located on the back panel of the router and the Ethernet port of your PC.
2. ***To connect the router to a DSL line:*** connect a phone cable between the DSL port of the router and the **ADSL OUT** port of the splitter. Connect your phone to the **PHONE** port of the splitter. Then connect another phone cable between a phone jack and the **ADSL IN** port of the splitter.
3. ***To connect the device to an Ethernet line:*** please connect the router to the ISP's Ethernet line only after setting the WAN port and creating the Internet connection (see the ***Initial Configuration Wizard*** section, page 16).
4. Connect the power cord to the power connector port on the back panel of the router, then plug the power adapter into an electrical outlet or power strip.
5. Turn on the router by pressing the **ON/OFF** button on its back panel.

Then make sure that your PC is configured to obtain an IP address automatically (as DHCP client).

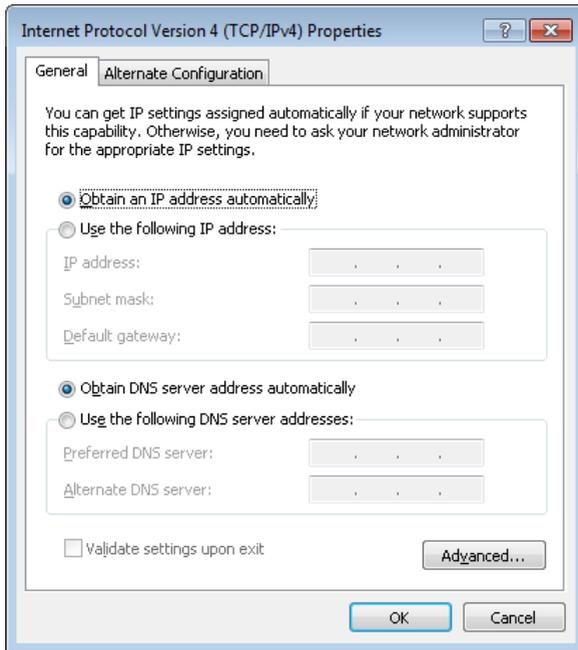
Obtaining IP Address Automatically (OS Windows 7)

1. Click the **Start** button and proceed to the **Control Panel** window.
2. Select the **Network and Sharing Center** section. (If the Control Panel has the category view (the **Category** value is selected from the **View by** drop-down list in the top right corner of the window), choose the **View network status and tasks** line under the **Network and Internet** section.)
3. In the menu located on the left part of the window, select the **Change adapter settings** line.
4. In the opened window, right-click the relevant **Local Area Connection** icon and select the **Properties** line in the menu displayed.



5. In the **Local Area Connection Properties** window, on the **Networking** tab, select the **Internet Protocol Version 4 (TCP/IPv4)** line. Click the **Properties** button.

6. Make sure that the **Obtain an IP address automatically** and **Obtain DNS server address automatically** choices of the radio buttons are selected. Click the **OK** button.



7. Click the **OK** button in the connection properties window.

PC with Wi-Fi Adapter

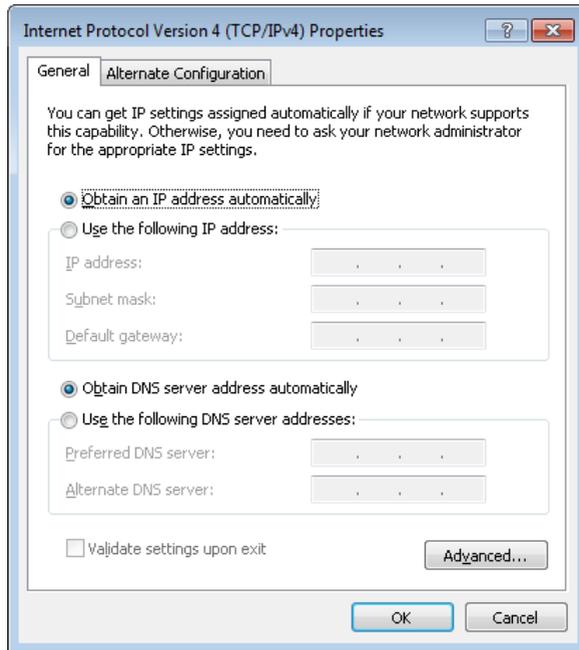
1. ***To connect the router to a DSL line:*** connect a phone cable between the DSL port of the router and the **ADSL OUT** port of the splitter. Connect your phone to the **PHONE** port of the splitter. Then connect another phone cable between a phone jack and the **ADSL IN** port of the splitter.
2. ***To connect the device to an Ethernet line:*** please connect the router to the ISP's Ethernet line only after setting the WAN port and creating the Internet connection (see the ***Initial Configuration Wizard*** section, page 16).
3. Connect the power cord to the power connector port on the back panel of the router, then plug the power adapter into an electrical outlet or power strip.
4. Turn on the router by pressing the **ON/OFF** button on its back panel.
5. Make sure that the Wi-Fi adapter of your PC is on. As a rule, modern notebooks with built-in wireless NICs are equipped with a button or switch that turns on/off the wireless adapter (refer to your PC documents). If your PC is equipped with a pluggable wireless NIC, install the software provided with your Wi-Fi adapter.

Then make sure that your Wi-Fi adapter is configured to obtain an IP address automatically (as DHCP client).

Obtaining IP Address Automatically and Connecting to Wireless Network (OS Windows 7)

1. Click the **Start** button and proceed to the **Control Panel** window.
2. Select the **Network and Sharing Center** section. (If the Control Panel has the category view (the **Category** value is selected from the **View by** drop-down list in the top right corner of the window), choose the **View network status and tasks** line under the **Network and Internet** section.)
3. In the menu located on the left part of the window, select the **Change adapter settings** line.
4. In the opened window, right-click the relevant **Wireless Network Connection** icon. Make sure that your Wi-Fi adapter is on, then select the **Properties** line in the menu displayed.
5. In the **Wireless Network Connection Properties** window, on the **Networking** tab, select the **Internet Protocol Version 4 (TCP/IPv4)** line. Click the **Properties** button.

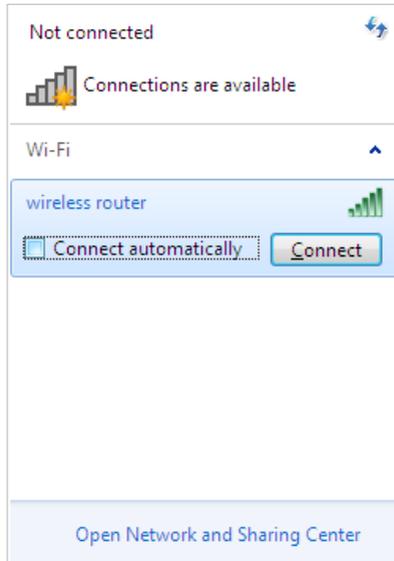
6. Make sure that the **Obtain an IP address automatically** and **Obtain DNS server address automatically** choices of the radio buttons are selected. Click the **OK** button.



7. Click the **OK** button in the connection properties window.
8. To open the list of available wireless networks, select the icon of the wireless network connection and click the **Connect To** button or left-click the network icon in the notification area located on the right side of the taskbar.



- In the opened window, in the list of available wireless networks, select the wireless network **DSL-2640U** and click the **Connect** button.



- In the opened window, enter the network key (see WPS PIN on the barcode label on the back panel of the device) in the **Security key** field and click the **OK** button.
- Wait for about 20-30 seconds. After the connection is established, the network icon will be displayed as the signal level scale.

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

CONFIGURING ROUTER

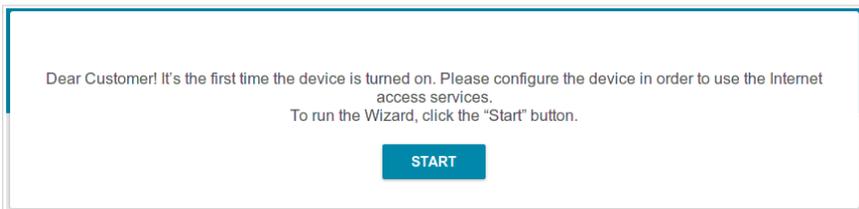
Connecting to Web-based Interface

Start a web browser. In the address bar of the web browser, enter the domain name of the router (by default, **dlinkrouter.local**) with a dot at the end and press the **Enter** key. Also you can enter the IP address of the device (by default, **192.168.1.1**).

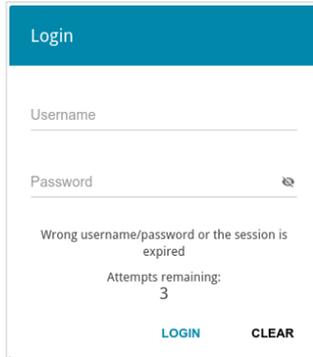


! If the error “*The page cannot be displayed*” (or “*Unable to display the page*”/“*Could not connect to remote server*”) occurs upon connecting to the web-based interface of the router, make sure that you have properly connected the router to your computer.

If the device has not been configured previously or the default settings have been restored, after access to the web-based interface the Initial Configuration Wizard opens (see the **Initial Configuration Wizard** section, page 16).



If you configured the device previously, after access to the web-based interface the login page opens. Enter the username (**admin**) in the **Username** field and the password you specified in the **Password** field, then click the **LOGIN** button.



The screenshot shows a web-based login interface. At the top, there is a blue header with the word "Login" in white. Below the header, there are two input fields: "Username" and "Password". The "Password" field has a small eye icon to its right. Below the input fields, there is a message: "Wrong username/password or the session is expired". Underneath this message, it says "Attempts remaining: 3". At the bottom of the form, there are two buttons: "LOGIN" in blue text and "CLEAR" in black text.

If you enter a wrong password several times, the web-based interface will be blocked for a while. Please wait for one minute and reenter the password you specified.

The **Summary** page displays general information on the router and its software.

< Configuration
Summary ✉

Device Information

Model:	DSL-2640U
Hardware revision:	R1
Firmware version:	3.0.0
Bootloader version:	00.01.10(rt18676s) (Mar 30 2018 12:09:59)
Build time:	Fri Feb 15 2019 2:33:27 PM MSK
Vendor:	D-Link Russia
Serial number:	AAA1234567890
Support:	support@dlink.ru
Phone:	8-800-700-5465
Summary:	Root filesystem image for DSL-2640U
Uptime:	00:06:31

LAN

LAN IPv4:	192.168.1.1
LAN IPv6:	fd01::1/64
Wireless connections:	-
Wired connections:	1

Wi-Fi 2.4 GHz

Status:	On ●
Broadcasting:	On ●
Additional networks:	0
Network name (SSID):	DSL-2640U-0DB4
Security:	WPA2-PSK 🔒

LAN Ports

LAN1:	Off ●
LAN2:	Off ●
LAN3:	●
WAN/LAN:	Off ●

WAN IPv4

Connection type:	Dynamic IPv4
Status:	Off ●

DSL Status

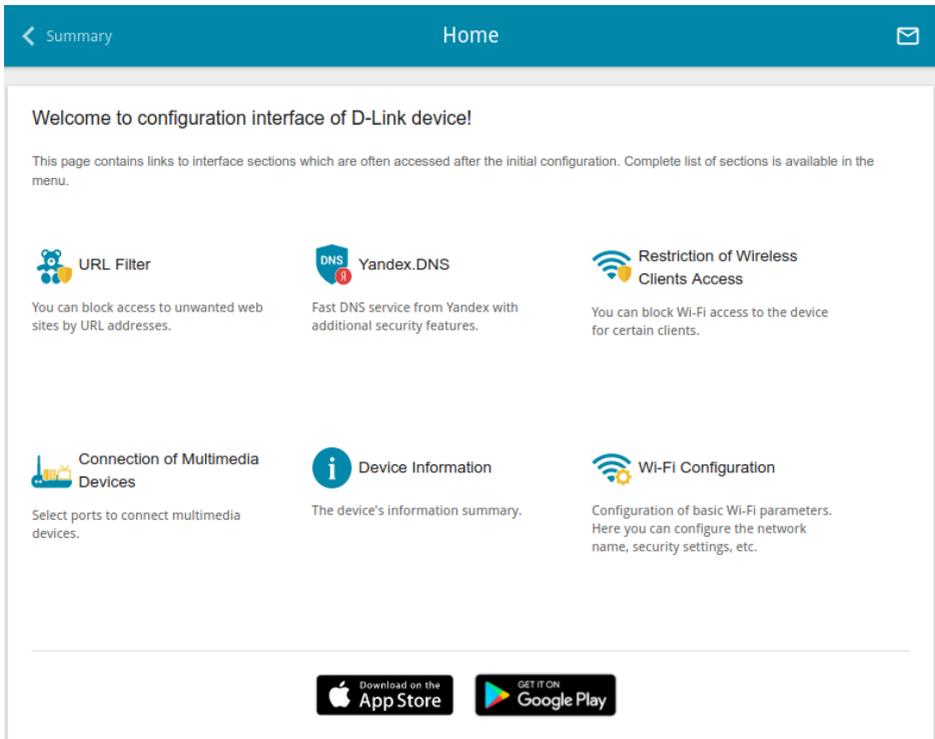
Line status:	Off ●
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Yandex.DNS

Enable

Safe	1 device 🛡️
Child	0 devices 👶
Protection off	0 devices 🛡️

The **Home** page displays links to the most frequently used pages with device's settings.

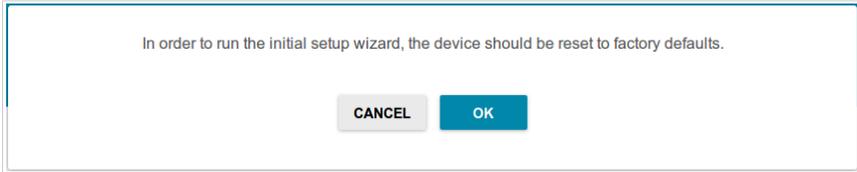


The web-based interface of the router is multilingual. You can select the needed language upon the initial configuration of the web-based interface of the router or in the **System / Configuration** section of the menu.

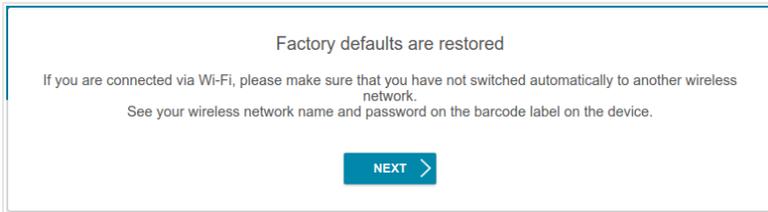
Other settings of the router are available in the menu in the left part of the page. Go to the relevant section and select the needed page or run the wizard in the **Initial Configuration** section.

Initial Configuration Wizard

In order to start the Initial Configuration Wizard manually, go to the **Initial Configuration** section.

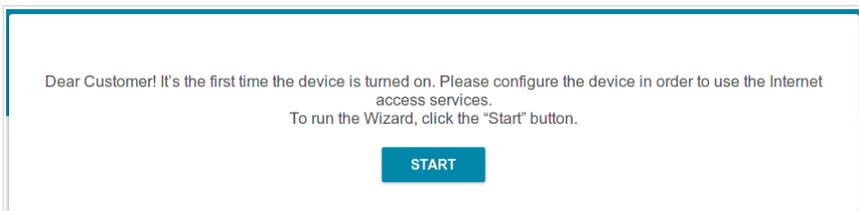


Click the **OK** button and wait until the factory default settings are restored.



If you perform initial configuration of the router via Wi-Fi connection, please make sure that you are connected to the wireless network of DSL-2640U (see the WLAN name (SSID) in the *Default Settings* section, page 3) and click the **NEXT** button. Then click the **START** button.

If the device has not been configured previously or the default settings have been restored, the Initial Configuration Wizard starts automatically upon access to the web-based interface or upon opening a web site on the Internet.



1. Click **YES** in order to leave the current language of the web-based interface or click **NO** to select another language.



2. On the next page, click the **CONTINUE** button.

Selecting Operation Mode

In order to connect your device to an ADSL line, on the **Device mode** page, from the **Connection method** list, select the **ADSL** value. In this mode you can configure a WAN connection, set your own settings for the wireless network, configure LAN ports to connect an STB or VoIP phone, and set your own password for access to the web-based interface of the device.



The screenshot shows the 'Device mode' configuration page. At the top, the title 'Device mode' is displayed. Below it, the 'Connection method' is set to 'ADSL' in a dropdown menu. A note with an information icon states: 'Connect the ISP's cable according to the connection scheme. The Internet will be accessed via ADSL.' Below this, the 'Work mode' is set to 'Router' with a lock icon. To the right, a network diagram illustrates the ADSL setup: an 'Internet' cloud is connected to a 'DSL' line, which passes through a 'Splitter' to a 'Phone' and a 'Line Station'. The 'Line Station' is connected to a 'Router'. The router is also connected to a 'LAN' port, which is connected to a computer and a smartphone. Wireless connections are shown for 'SSID' (to a laptop) and 'LAN' (to the smartphone).

Device mode

Connection method
ADSL

ⓘ Connect the ISP's cable according to the connection scheme. The Internet will be accessed via ADSL.

Work mode
Router

Internet DSL LAN SSID

Phone Splitter Line Station

Router

BACK NEXT

In order to connect your device to a private Ethernet line, on the **Device mode** page, from the **Connection method** list, select the **Ethernet (LAN)** value. In this mode you can configure one of the router's LAN port as the WAN port, configure a WAN connection, set your own settings for the wireless network, configure LAN ports to connect an STB or VoIP phone, and set your own password for access to the web-based interface of the device.

When the operation mode is selected, click the **NEXT** button.

Configuring LAN Port as WAN Port

This configuration step is available for the **Ethernet (LAN)** mode.

1. On the **Device connection** page, select the **WAN/LAN** port.



2. Click the **NEXT** button.

Configuring Ethernet WAN Connection

This configuration step is available for the **Ethernet (LAN)** mode.

! You should configure your WAN connection in accordance with data provided by your Internet service provider (ISP). Make sure that you have obtained all necessary information prior to configuring your connection. Otherwise contact your ISP.

1. On the **Internet connection type** page, from the **Connection type** list, select the connection type used by your ISP and fill in the fields displayed on the page.

Static IPv4: Fill in the following fields: **IP address**, **Subnet mask**, **Gateway IP address**, and **DNS IP address**.

IP address*
Subnet mask*
Gateway IP address*
DNS IP address*

Static IPv6: Fill in the following fields: **IP address**, **Prefix**, **Gateway IP address**, and **DNS IP address**.

IP address*
Prefix*
Gateway IP address*
DNS IP address*

PPPoE, IPv6 PPPoE, PPPoE Dual Stack: Enter authorization data provided by your ISP (the username (login) in the **Username** field and the password in the **Password** field). Click the **Show** icon (🔍) to display the entered password. If authorization is not required, select the **Without authorization** checkbox.

Without authorization

Username*

Password* 🔍

- If your ISP uses MAC address binding, select the **Clone MAC address of your device** checkbox.
- If the Internet access is provided via a VLAN channel, select the **Use VLAN** checkbox and fill in the **VLAN ID** field.

Clone MAC address of your device

📘 In some ISP's networks, it is required to register a certain MAC address in order to get access to the Internet.

 Use VLAN

📘 Select the checkbox if the Internet access is provided via a VLAN channel.

VLAN ID*

- Click the **NEXT** button.

Configuring ADSL WAN Connection

This configuration step is available for the **ADSL** mode.

! You should configure your WAN connection in accordance with data provided by your Internet service provider (ISP). Make sure that you have obtained all necessary information prior to configuring your connection. Otherwise contact your ISP.

1. On the **Internet connection type** page, from the **Connection type** list, select the connection type used by your ISP and fill in the fields displayed on the page.

Static IPv4, IPoA: Fill in the following fields: **IP address**, **Subnet mask**, **Gateway IP address**, and **DNS IP address**.

IP address*
Subnet mask*
Gateway IP address*
DNS IP address*

Static IPv6: Fill in the following fields: **IP address**, **Prefix**, **Gateway IP address**, and **DNS IP address**.

IP address*
Prefix*
Gateway IP address*
DNS IP address*

PPPoE, IPv6 PPPoE, PPPoE Dual Stack, PPPoA: Enter authorization data provided by your ISP (the username (login) in the **Username** field and the password in the **Password** field). Click the **Show** icon (👁) to display the entered password. If authorization is not required, select the **Without authorization** checkbox.

Without authorization

Username*

Password*

2. Specify the VPI and VCI values in the relevant fields.

VPI (0-255)*

VCI (32 - 65535)*

3. Click the **NEXT** button.

Configuring Wireless Network

1. On the **Wireless Network 2.4 GHz** page, in the **Network name** field, specify your own name for the wireless network or leave the value suggested by the router.
2. In the **Password** field, specify your own password for access to the wireless network or leave the value suggested by the router (WPS PIN of the device, see the barcode label).
3. You can restore the parameters of the wireless network specified before resetting to factory defaults. To do this, click the **RESTORE** button.

Wireless Network 2.4 GHz

Enable

Network name*

my wi-fi

① The number of characters should not exceed 32

Open network

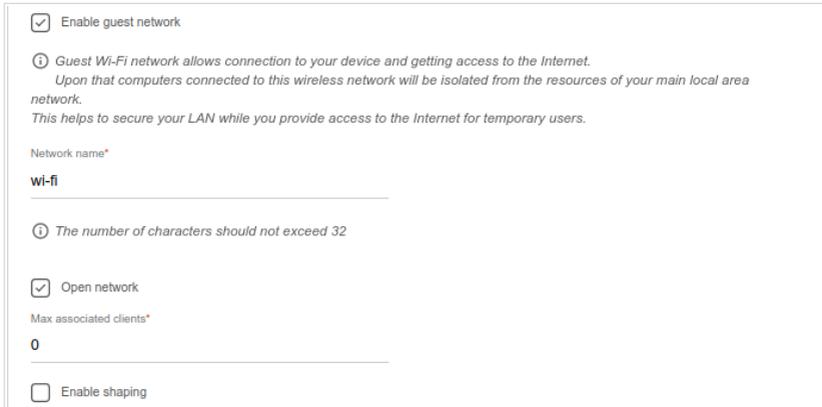
Password*

***** 

① Password should be between 8 and 63 ASCII characters

RESTORE *You can restore network name and security that was set before applying factory settings.*

4. If you want to create an additional wireless network isolated from your LAN, select the **Enable guest network** checkbox.



The screenshot shows a configuration window for a guest network. At the top, there is a checked checkbox labeled "Enable guest network". Below it is an information icon followed by the text: "Guest Wi-Fi network allows connection to your device and getting access to the Internet. Upon that computers connected to this wireless network will be isolated from the resources of your main local area network. This helps to secure your LAN while you provide access to the Internet for temporary users." Below this text is a label "Network name*" and a text input field containing "wi-fi". Underneath the input field is another information icon with the text: "The number of characters should not exceed 32". Below that is a checked checkbox labeled "Open network". Underneath is a label "Max associated clients*" and a text input field containing "0". At the bottom, there is an unchecked checkbox labeled "Enable shaping".

5. In the **Network name** field, specify your own name for the guest wireless network or leave the value suggested by the router.
6. If you want to create a password for access to the guest wireless network, deselect the **Open network** checkbox and fill in the **Password** field.
7. If you want to limit the bandwidth of the guest wireless network, select the **Enable shaping** checkbox and fill in the **Shaping** field.
8. Click the **NEXT** button.

Configuring LAN Ports for IPTV/VoIP

1. On the **IPTV** page, select the **Is an STB connected to the device** checkbox.

IPTV

Is an STB connected to the device?

If your ISP provides IPTV service, you can connect an STB directly to the router without additional equipment

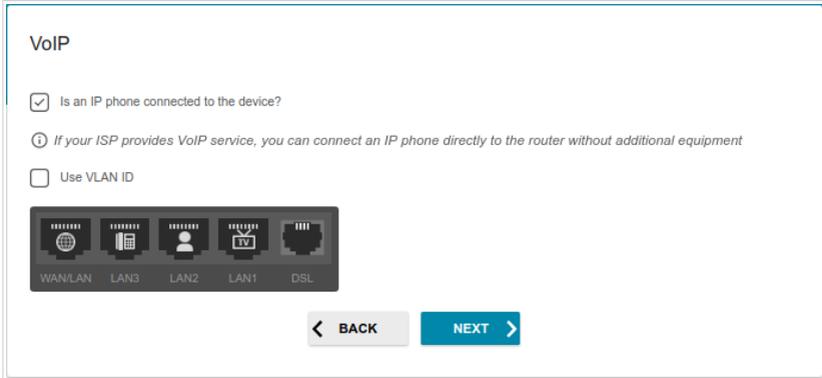
Use VLAN ID

WAN/LAN LAN3 LAN2 LAN1 DSL

[← BACK](#) [NEXT →](#)

2. Select a free LAN port for connecting your set-top box.
3. *For the **Ethernet (LAN)** mode:* If the IPTV service is provided via a VLAN channel, select the **Use VLAN ID** checkbox and fill in the **VLAN ID** field.
4. *For the **ADSL** mode:* Specify the VPI and VCI values in the relevant fields.
5. Click the **NEXT** button.

6. On the **VoIP** page, select the **Is an IP phone connected to the device** checkbox.



VoIP

Is an IP phone connected to the device?

ⓘ If your ISP provides VoIP service, you can connect an IP phone directly to the router without additional equipment

Use VLAN ID

WAN/LAN LAN3 LAN2 LAN1 DSL

[← BACK](#) [NEXT →](#)

7. Select a free LAN port for connecting your IP phone.
8. *For the **Ethernet (LAN)** mode:* If the VoIP service is provided via a VLAN channel, select the **Use VLAN ID** checkbox and fill in the **VLAN ID** field.
9. *For the **ADSL** mode:* Specify the VPI and VCI values in the relevant fields.
10. Click the **NEXT** button.

Changing Web-based Interface Password

On this page you should change the default administrator password. To do this, enter a new password in the **Admin password** and **Password confirmation** fields. You may set any password except **admin**. Use digits, Latin letters (uppercase and/or lowercase), and other characters available in the US keyboard layout.¹

! Remember or write down the new password for the administrator account. In case of losing the new password, you can access the settings 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.

Click the **NEXT** button.

On the next page, check all the settings you have just specified.

Also you can save a text file with parameters set by the Wizard to your PC. To do this, click the **SAVE CONFIGURATION FILE** button and follow the dialog box appeared.

To finish the Wizard, click the **APPLY** button. The router will apply settings, reboot, if needed, and check the Internet connection if the Wizard has configured a WAN connection.

¹ 0-9, A-Z, a-z, space, !"#%&'()*+,-./:;<=>?@[\\]^_`{|}~.

Configuring Local Area Network

1. Go to the **Connections Setup / LAN** page.
2. If needed, change the IPv4 address of the router's LAN interface and the mask of the local subnet. To do this, click the **IPv4** tab and specify needed values in the **IP address** and **Mask** fields in the **Local IP Address** section.

Local IP Address

IP address*

192.168.1.1

Mask*

255.255.255.0

Hostname

dlinkrouter.local

3. If needed, specify your own IPv6 address of the router's LAN interface. To do this, click the **IPv6** tab and select the **Static** value from the **Mode of local IPv6 address assignment** drop-down list in the **Local IPv6 Address** section. Then specify the needed value in the **IPv6 address** field.

Local IPv6 Address

Mode of local IPv6 address assignment

Static

IPv6 address*

fd01::1

Prefix*

64

4. **IPv4 address assignment.** By default, the built-in DHCP server of the router assigns IPv4 addresses to the devices of the LAN. If you want to manually assign IPv4 addresses, disable the DHCP server (click the **IPv4** tab and select the **Disable** value from the **Mode of dynamic IP address assignment** drop-down list in the **Dynamic IP Addresses** section).

Dynamic IP Addresses

Mode of dynamic IP address assignment
DHCP server ▼

Start IP*
192.168.1.100

End IP*
192.168.1.200

Lease time (in minutes)*
1440

DNS relay

5. **IPv6 address assignment.** By default, the devices of the LAN automatically assign IPv6 addresses to themselves (the **Stateless** value is selected from the **Mode of dynamic IPv6 address assignment** drop-down list in the **Dynamic IPv6 Addresses** section on the **IPv6** tab). If the devices of the LAN do not support IPv6 address autoconfiguration, use the built-in DHCPv6 server of the router (select the **Stateful** value from the **Mode of dynamic IPv6 address assignment** drop-down list). If you want to manually assign IPv6 addresses to devices of the LAN, select the **Disable** value from the **Mode of dynamic IPv6 address assignment** drop-down list.

Dynamic IPv6 Addresses

Mode of dynamic IPv6 address assignment
Stateful

Start IPv6*
fd01::2

End IPv6*
fd01::ffff:ffff:ffff:ffff

Lease time (in minutes)*
5

6. After specifying the needed parameters on the **Connections Setup / LAN** page, click the **APPLY** button.

SPECIFICATIONS*

Hardware	
Processor	<ul style="list-style-type: none"> · RTL8676S (450MHz)
RAM	<ul style="list-style-type: none"> · 32MB, SDRAM, built in processor
Flash	<ul style="list-style-type: none"> · 4MB, SPI
Interfaces	<ul style="list-style-type: none"> · RJ-11 ADSL port · 4 10/100BASE-TX LAN ports
LEDs	<ul style="list-style-type: none"> · POWER · DSL · INTERNET · 4 LAN LEDs · WLAN · WPS
Buttons	<ul style="list-style-type: none"> · ON/OFF button to power on/power off · RESET button to restore factory default settings · WPS/WLAN button to set up wireless connection and enable/disable wireless network
Antenna	<ul style="list-style-type: none"> · One internal antenna (3dBi gain)
Power connector	<ul style="list-style-type: none"> · Power input connector (DC)

* The device features are subject to change without notice. For the latest versions of the firmware and relevant documentation, visit www.dlink.ru.

DSL Parameters	
ADSL Standards	<ul style="list-style-type: none"> · ADSL: Multi-mode, ANSI T1.413 Issue 2, ITU-T G.992.1 (G.dmt) Annex A, ITU-T G.992.2 (G.lite) Annex A, ITU-T G.994.1 (G.hs) · ADSL2: ITU-T G.992.3 (G.dmt.bis) Annex A/L/M, ITU-T G.992.4 (G.lite.bis) Annex A · ADSL2+: ITU-T G.992.5 Annex A/L/M
ATM/PPP Protocols	<ul style="list-style-type: none"> · Bridged and routed Ethernet encapsulation · VC-based or LLC-based multiplexing · ATM Forum UNI3.1/4.0 PVC (up to 8 PVCs) · ATM Adaptation Layer Type 5 (AAL5) · ITU-T I.610 OAM F4/F5 loopback · ATM QoS · PPP over ATM (RFC 2364) · PPP over Ethernet (PPPoE) · Keep-alive for PPP connections

Software	
WAN connection types	<ul style="list-style-type: none"> · PPPoA · PPPoE · IPv6 PPPoE · PPPoE Dual Stack · IPoA · Static IPv4 / Dynamic IPv4 · Static IPv6 / Dynamic IPv6 · Bridge

Software	
Network functions	<ul style="list-style-type: none"> · DHCP server/relay · Advanced configuration of built-in DHCP server · Stateful/Stateless mode for IPv6 address assignment, IPv6 prefix delegation · DNS relay · Dynamic DNS · Static IP routing · Static IPv6 routing · IGMP Proxy · IGMP snooping · Support of UPnP IGD · Support of VLAN · WAN ping respond · Support of SIP ALG · Support of RTSP · LAN/WAN conversion
Firewall functions	<ul style="list-style-type: none"> · Network Address Translation (NAT) · Stateful Packet Inspection (SPI) · IPv4 filter · IPv6 filter · MAC filter · URL filter · DMZ · Prevention of ARP and DDoS attacks · Virtual servers · Built-in Yandex.DNS web content filtering service
VPN	<ul style="list-style-type: none"> · IPsec/PPTP/L2TP/PPPoE pass-through
QoS	<ul style="list-style-type: none"> · Interface grouping · VLAN priority (802.1p)

Software	
Management and monitoring	<ul style="list-style-type: none"> · Local and remote access to settings through TELNET/WEB (HTTP/HTTPS) · Bilingual web-based interface for configuration and management (Russian/English) · Support of D-Link Assistant application for Android and iPhone smartphones · Firmware update via web-based interface · Automatic notification on new firmware version · Saving/restoring configuration to/from file · Support of logging to remote host · Automatic synchronization of system time with NTP server and manual time/date setup · Ping utility · Traceroute utility · TR-069 client

Wireless Module Parameters	
Standards	<ul style="list-style-type: none"> · IEEE 802.11b/g/n
Frequency range <i>The frequency range depends upon the radio frequency regulations applied in your country</i>	<ul style="list-style-type: none"> · 2400 ~ 2483.5MHz
Wireless connection security	<ul style="list-style-type: none"> · WEP · WPA/WPA2 (Personal/Enterprise) · MAC filter · WPS (PBC/PIN)
Advanced functions	<ul style="list-style-type: none"> · WMM (Wi-Fi QoS) · Information on connected Wi-Fi clients · Advanced settings · Guest Wi-Fi / support of MBSSID · Limitation of wireless network rate · Periodic scan of channels, automatic switch to least loaded channel · Autonegotiation of channel bandwidth in accordance with environment conditions (20/40 Coexistence)

Wireless Module Parameters	
Wireless connection rate	<ul style="list-style-type: none"> • IEEE 802.11b: 1, 2, 5.5, and 11Mbps • IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, and 54Mbps • IEEE 802.11n: from 6.5 to 150Mbps (from MCS0 to MCS7)
Transmitter output power <i>The maximum value of the transmitter output power depends upon the radio frequency regulations applied in your country</i>	<ul style="list-style-type: none"> • 802.11b 15~17dBm • 802.11g 13~15dBm • 802.11n 13.5~14.5dBm
Receiver sensitivity	<ul style="list-style-type: none"> • 802.11b -82dBm (+/-1.5dB) at 11Mbps • 802.11g -68dBm (+/-1.5dB) at 54Mbps • 802.11n HT20 -66dBm (+/-1.5dB) HT40 -64dBm (+/-1.5dB)
Modulation schemes	<ul style="list-style-type: none"> • 802.11b: CCK (11, 5.5Mbps), DQPSK (2Mbps), DBPSK (1Mbps), DSSS • 802.11g: PSK/CCK, DBPSK, DQPSK, OFDM, BPSK, QPSK, 16QAM, 64QAM • 802.11n: PSK/CCK, DBPSK, DQPSK, OFDM, etc.

Physical Parameters

Dimensions (L x W x H)	· 114 x 46 x 110 mm (4.49 x 1.81 x 4.33 in)
Weight	· 150 g (0.33 lb)

Operating Environment

Power	· Output: 12V DC, 0.5A
Temperature	· Operating: from 0 to 40 °C · Storage: from -20 to 70 °C
Humidity	· From 5% to 95% (non-condensing)

SAFETY RULES AND CONDITIONS

Please carefully read this section before installation and connection of the device. Make sure that the power adapter and cables are not damaged. The device should be used only as intended in accordance with the documents.

The device is intended for use in dry, clean, dust-free, and well ventilated areas with normal humidity away from strong heat sources. Do not use the device outdoors or in the areas with high humidity. Do not place foreign objects on the device. Do not obstruct the ventilation openings of the device. The environmental temperature near the device and the temperature inside the device's cover should be within the range from 0 °C to +40 °C.

Only use the power adapter supplied with the device. Do not plug in the adapter, if its case or cable are damaged. Plug the adapter only into working electrical outlets with parameters indicated on the adapter.

Do not open the cover of the device! Unplug the device before dusting and cleaning. Use a damp cloth to clean the device. Do not use liquid/aerosol cleaners or magnetic/static cleaning devices. Prevent moisture getting into the device or the power adapter.

The service life of the device is 2 years.

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
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