



ADSL2/2+ Router

UR-104AN
UR-314AN v.2

UR-344AN4G
UR-344AN4G+
UR-354AN4G



User Manual

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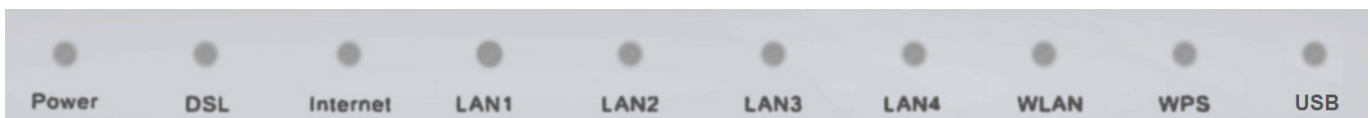
Product overview

UR-104AN	4 ports ADSL2/2+ Router	10/100 Mbps Ethernet, IPTV and Ipv6 support
UR-314AN v2	Wireless N 4 ports ADSL2/2+ Router 1x1	150 Mbps 802.11n Wi-Fi, 10/100 Mbps Ethernet, IPTV and Ipv6 support
UR-344AN4G	Wireless N 4 ports ADSL2/2+ Router 1x1 + USB host with 3/4G Failover	3G/4G, 150 Mbps 802.11n Wi-Fi, 10/100 Mbps Ethernet, IPTV and Ipv6 support, 3G/4G backup, Samba
UR-344AN4G+	Wireless N 4 ports ADSL2/2+ Router 1x1 + USB host w 3/4G Failover + 5dBi antenna	3G/4G, 150 Mbps 802.11n Wi-Fi, 10/100 Mbps Ethernet, IPTV and Ipv6 support, 3G/4G backup, Samba, 5 dBi antenna
UR-354AN4G	Wireless N 4 ports ADSL2/2+ Router 2x2 + USB host with 3/4G Failover	3G/4G, 300 Mbps 802.11n Wi-Fi, 10/100 Mbps Ethernet, IPTV and Ipv6 support, 3G/4G backup, Samba

Package contents

- ADSL2+ Modem Router
- Quick Installation guide
- CD-ROM (Utility and User's Guide)
- Power Adapter (please go to [page 63](#) for specifications)
- Network Cable (Twisted Pair Cat5 1,5m/5ft)
- Telephone cable (x2)
- ADSL-splitter
- Warranty certificate

Status LEDs



Depending on your ADSL Modem Router model, features will differ, and some LEDs may not be available as described below. This User Manual provides you with notes (*in italic*), when certain features are only available in specific models.

Power	Power
DSL	DSL connection
Internet	Internet connection
LAN1~LAN4	Connection to LAN1~LAN4 ports (PCs or other network devices)
WLAN <i>(all except UR-104AN)</i>	Wireless network
WPS <i>(all except UR-104AN)</i>	Wi-Fi Protected Setup function execution
USB <i>(UR-44AN4G, UR-344AN4G+ & UR-45AN4G)</i>	Connection to USB port (3G/4G modem or external storage device)

LEDs description

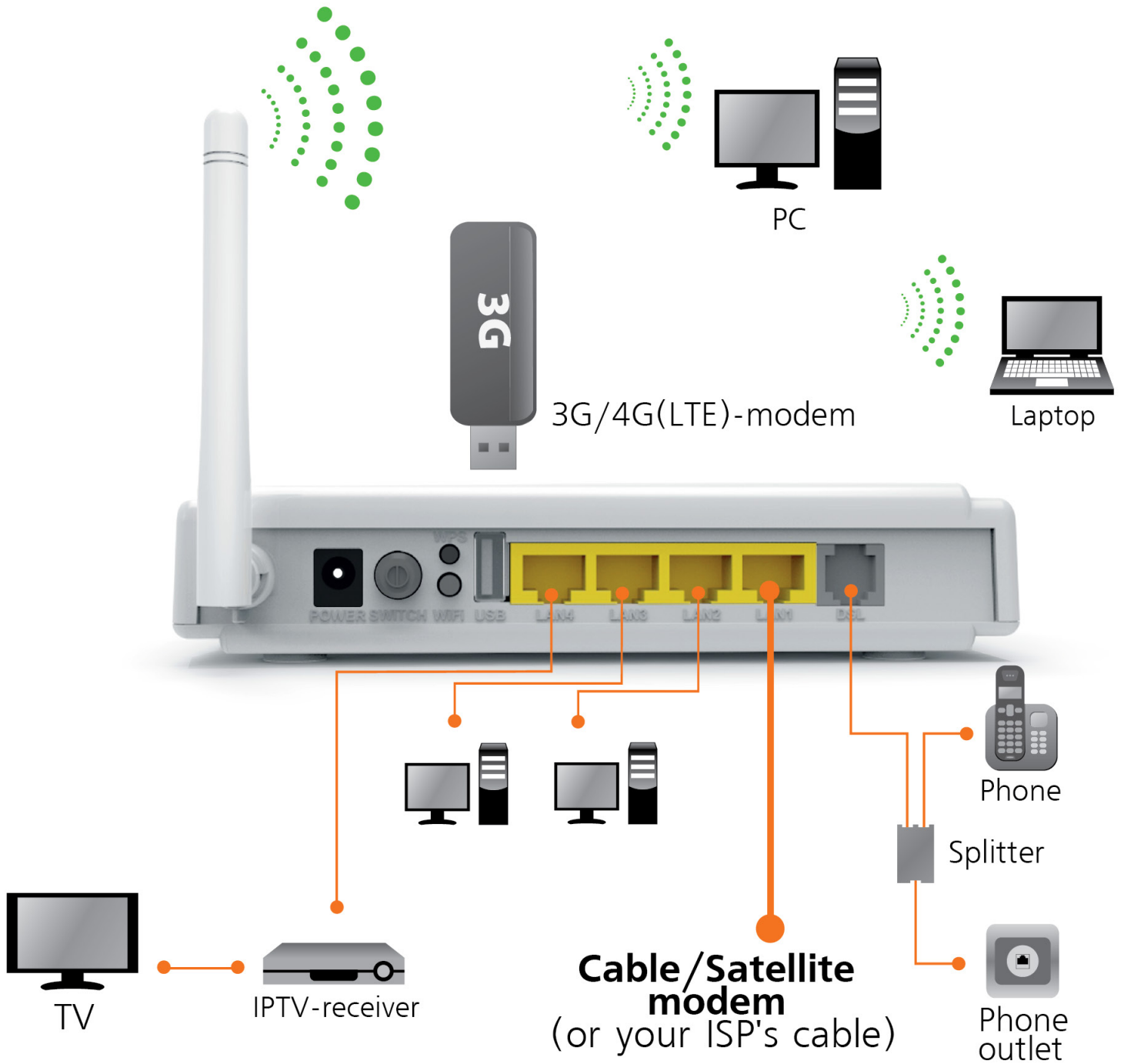
LED	Solid	Blinking	Off
Power	Power is supplied	–	Power is not supplied
DSL	Connected to DSLAM	Not connected to DSLAM	–
Internet	Public IP address has been obtained	Data is being transmitted	Public IP address hasn't been obtained
LAN1~LAN4	Device has been connected	Data is being transmitted	Device is not detected
WLAN <i>(all except UR-104AN)</i>	Wireless unit is on	Data is being transmitted	Wireless unit is off
WPS <i>(all except UR-104AN)</i>	–	Waiting for WPS function to be activated on the remote device you are going to connect (2 min)	WPS function is not being used
USB <i>(UR-344AN4G, UR-344AN4G+ & UR-345AN4G)</i>	3G/4G modem or external hard drive is connected	Data is being transmitted	USB port is not being used

Ports and buttons functionality



POWER	Power cable port
SWITCH	Power On/Off button
WPS <i>(all except UR-104AN)</i>	Wi-Fi Protected Setup activation
WiFi <i>(all except UR-104AN)</i>	Wireless unit activation/deactivation
USB <i>(UR-344AN4G, UR-344AN4G+ & UR-345AN4G)</i>	Port to connect 3G/4G modem or external hard drive
LAN 1 ~ LAN4	RJ-45 ports to connect PCs and other device at your local area network
DSL	RJ-11 telephone cable port

Router Installation



If you connect to the Internet via ADSL:

1. Using the network cable from the package, connect your computer to LAN2 or LAN3 port of the router. LAN4 port is for IPTV receiver connection.
2. Disconnect the phone cable from the outlet and connect in to the PHONE port of the splitter.
3. Connect the splitter to your phone outlet.
4. Using the phone cable from the package, connect your router's DSL port and splitter's MODEM port.
5. Plug in the power adapter and connect the power cable to the DC plug. Push the SWITCH button to turn on your router. The power LED activates and your router starts to load.
6. After loading is complete your router assigns an IP address to the PC you are using. On the front panel the relevant LAN LED activates and a notification appears in Windows tray, informing you that LAN connection established successfully.

If you connect to the Internet via 3G/4G modem:

(UR-344AN4G, UR-344AN4G+ & UR-345AN4G)

1. Using the network cable from the package, connect your computer to LAN2 or LAN3 port of the router. LAN4 port is for IPTV receiver connection.
2. Plug the 3G/4G modem to the USB port on the back side of your router.
3. Plug in the power adapter and connect the power cable to the DC plug. Push the SWITCH button to turn on your router. The power LED activates and your router starts to load.
4. After loading is complete your router assigns an IP address to the PC you are using. On the front panel the relevant LAN LED activates and a notification appears in Windows tray, informing you that LAN connection established successfully.

If you connect to the Internet via cable/satellite modem or dedicated Ethernet connection:

1. Using the network cable from the package, connect your computer to LAN2 or LAN3 port of the router. LAN4 port is for IPTV receiver connection.
2. Connect your cable/satellite modem or your ISP's network cable to LAN1 port of your router.
3. Plug in the power adapter and connect the power cable to the DC plug. Push the SWITCH button to turn on your router. The power LED activates and your router starts to load.
4. After loading is complete your router assigns an IP address to the PC you are using. On the front panel the relevant LAN LED activates and a notification appears in Windows tray, informing you that LAN connection established successfully.

Configuring your router with Setup Wizard

1. Insert the CD from the package into your CD-ROM drive.
2. The configuration utility will start automatically and the window represented below will appear. If it doesn't, it most likely indicates that CD **Autorun** function of your operating system is off. In that case please launch Explorer, open your CD drive and then launch **Autorun.exe**.
3. Click Start configuration wizard button.



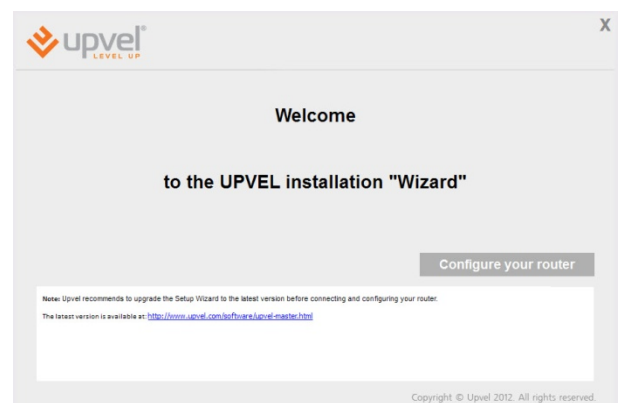
4. Please select your language.



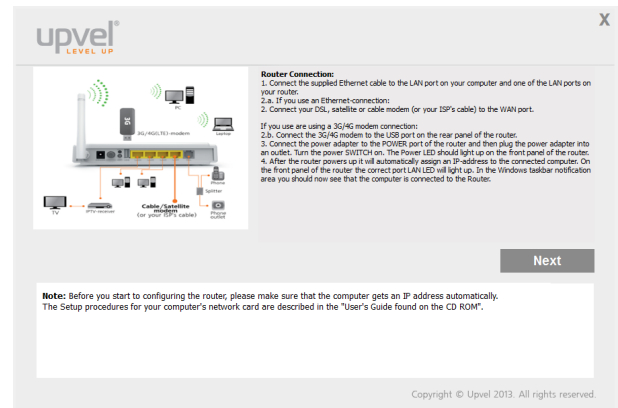
5. In the following window click Configure your router.

Note. Upvel recommends to upgrade the Setup Wizard to the latest version before connecting and configuring the router. If Internet connection is established utility will update automatically. The latest version is available at:

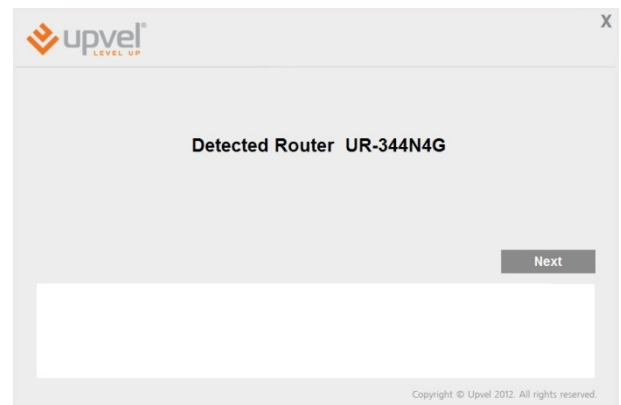
<http://www.upvel.com/support/software/upvel-master.html>



6. Establish all the connections according to instructions in the window represented to the right and click Next.

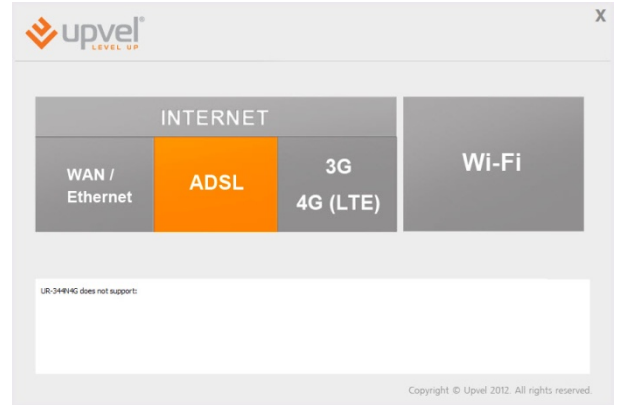


7. In the following window please click Next.



Connecting to the Internet via ADSL

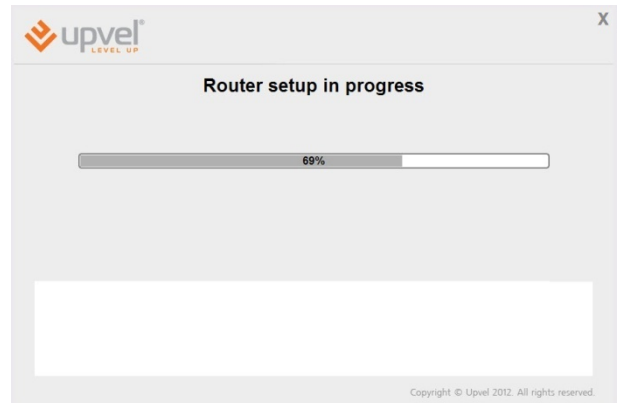
1. Please click **ADSL modem / WAN / Ethernet button**.



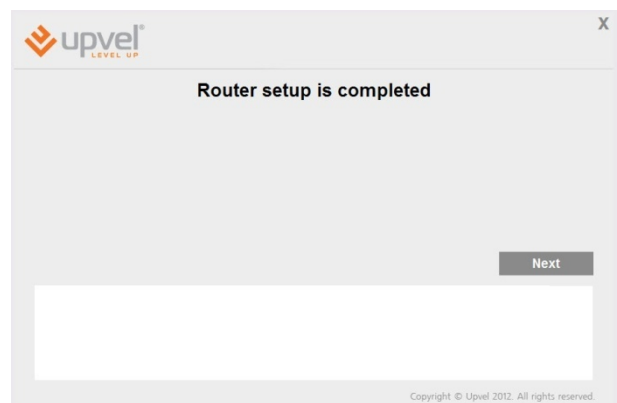
2. Enter the data from the agreement with your ISP and click Next.
These settings can be clarified at your ISP's support.



3. Please wait until the router setup is completed.

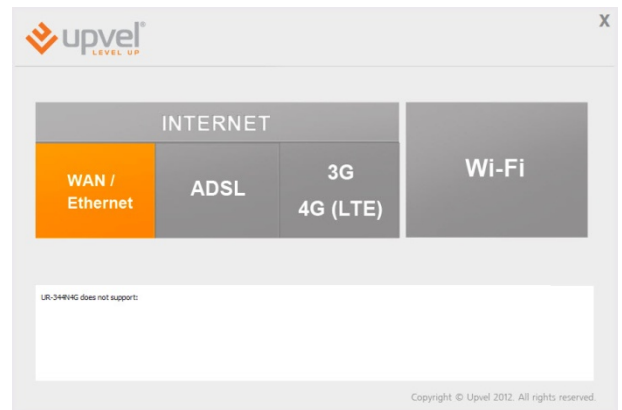


4. The Internet connection setup is now completed. Click the Next button..



Connecting to the Internet via Ethernet

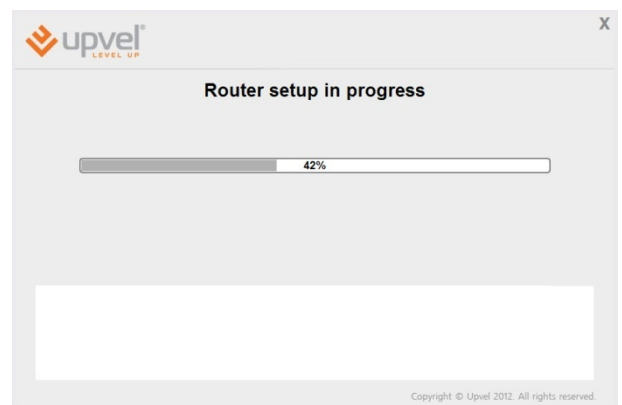
1. Please click the **WAN/Ethernet** button.



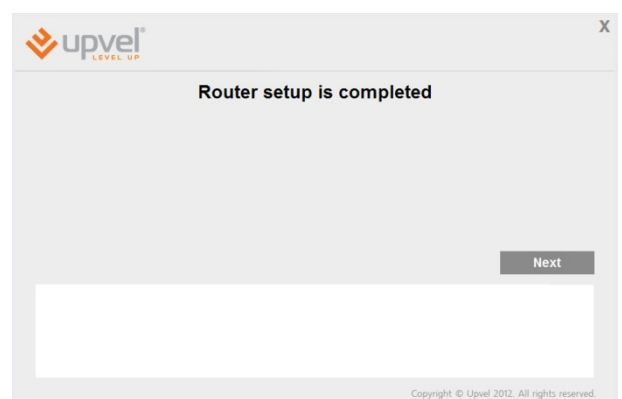
2. Select your connection type, enter all the necessary data from the agreement with your ISP and click **Next**.
These settings can be clarified at your ISP's support.



3. Please wait until the router setup is completed.



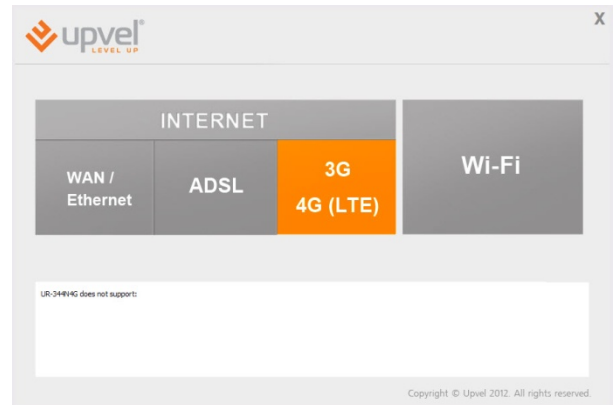
4. The Internet connection setup is now completed. Click the **Next** button.



Connecting to the Internet via 3G/4G

(UR-344AN4G, UR-344AN4G+ & UR-345AN4G)

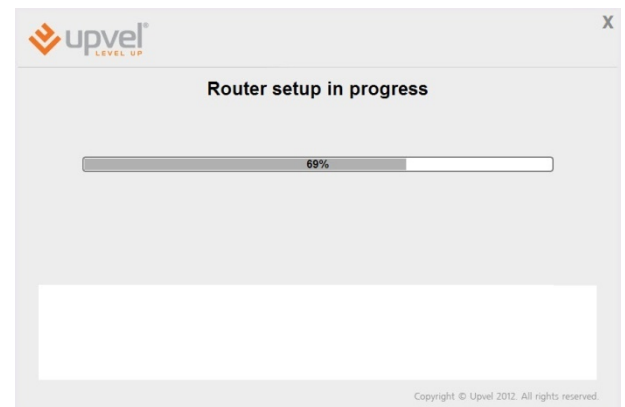
1. Please click **3G/4G (LTE)** button.



2. Enter the data from the agreement with your ISP and click Next.
These settings can be clarified at your ISP's support.



3. Please wait until the router setup is completed.



4. The Internet connection setup is now completed. Click the Next button..

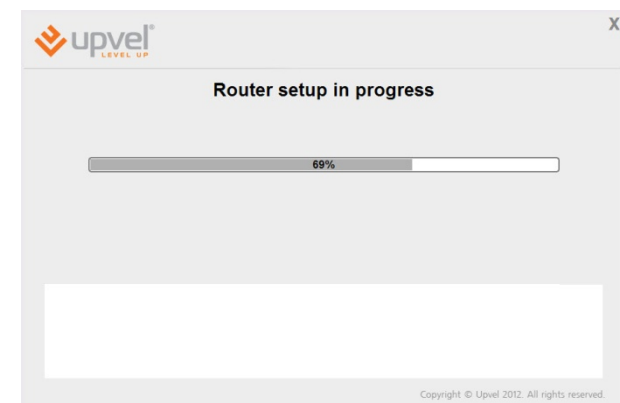
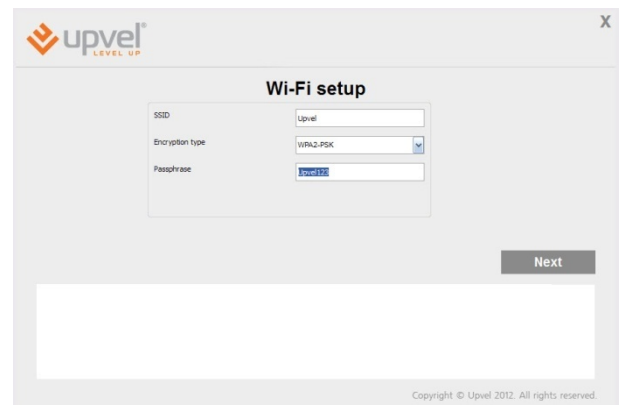
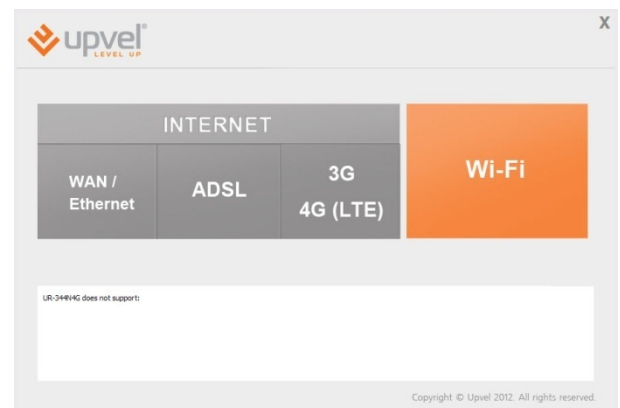


Wireless network configuration

1. Please click on **Wi-Fi** button.


2. Please specify the SSID (your network's name).
3. Select the encryption type (WPA2-PSK is recommended).
4. Specify the passphrase.
5. Then click Next.

6. Please wait until the wireless setup is completed.



7. Wi-Fi setup is completed. Please click Next.



8. Click  button to exit.

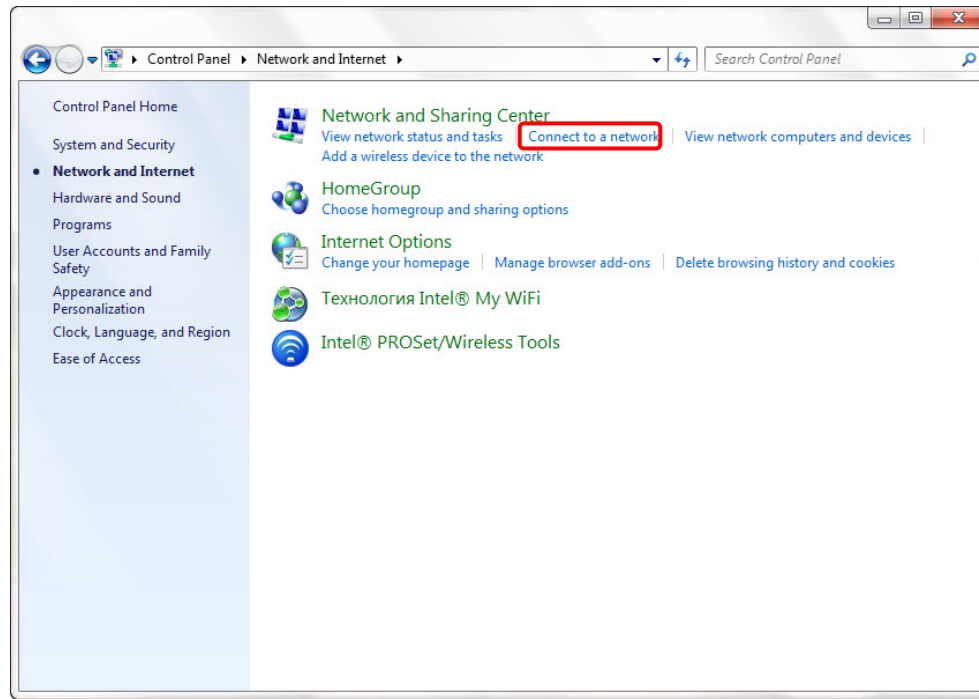
Congratulations! Your new Router is now operational. You can run the installation CD anytime to make changes to your Router's settings.

Note: You can change additional settings by entering <http://192.168.10.1> into your Web browser address line, and enter “**admin**” for username and “**admin**” for password. More detailed explanations are in the user manual on your CD ROM.

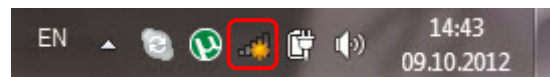
Connection to your wireless network

Windows Vista, 7 and 8

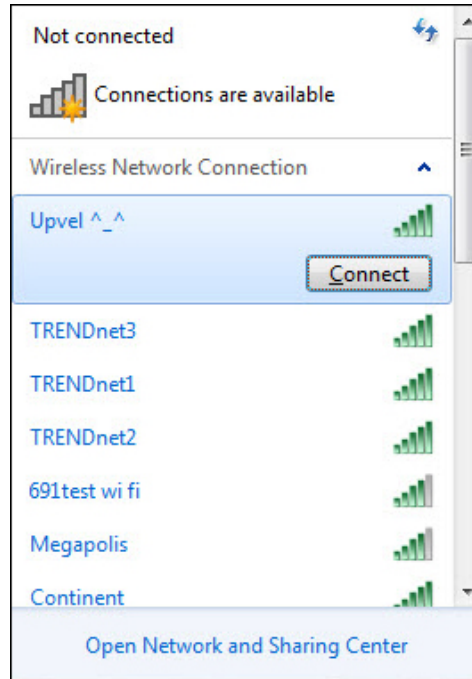
1. Start ->ControlPanel ->Network and Internet ->Connect to a network



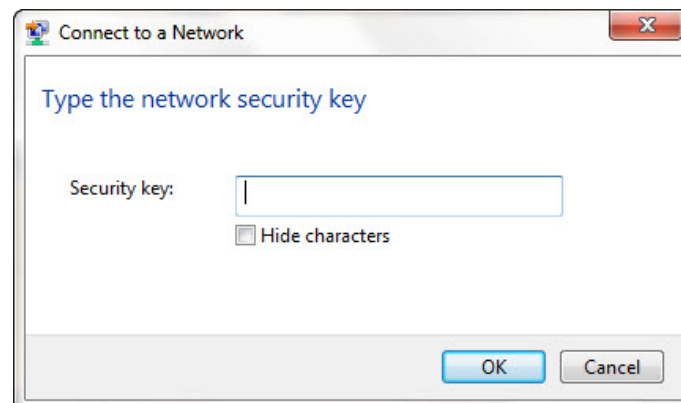
2. Or left-click on network connection button in Windows tray.



3. In the next window choose Wi-Fi network with the name you have specified, and click **Connect**.

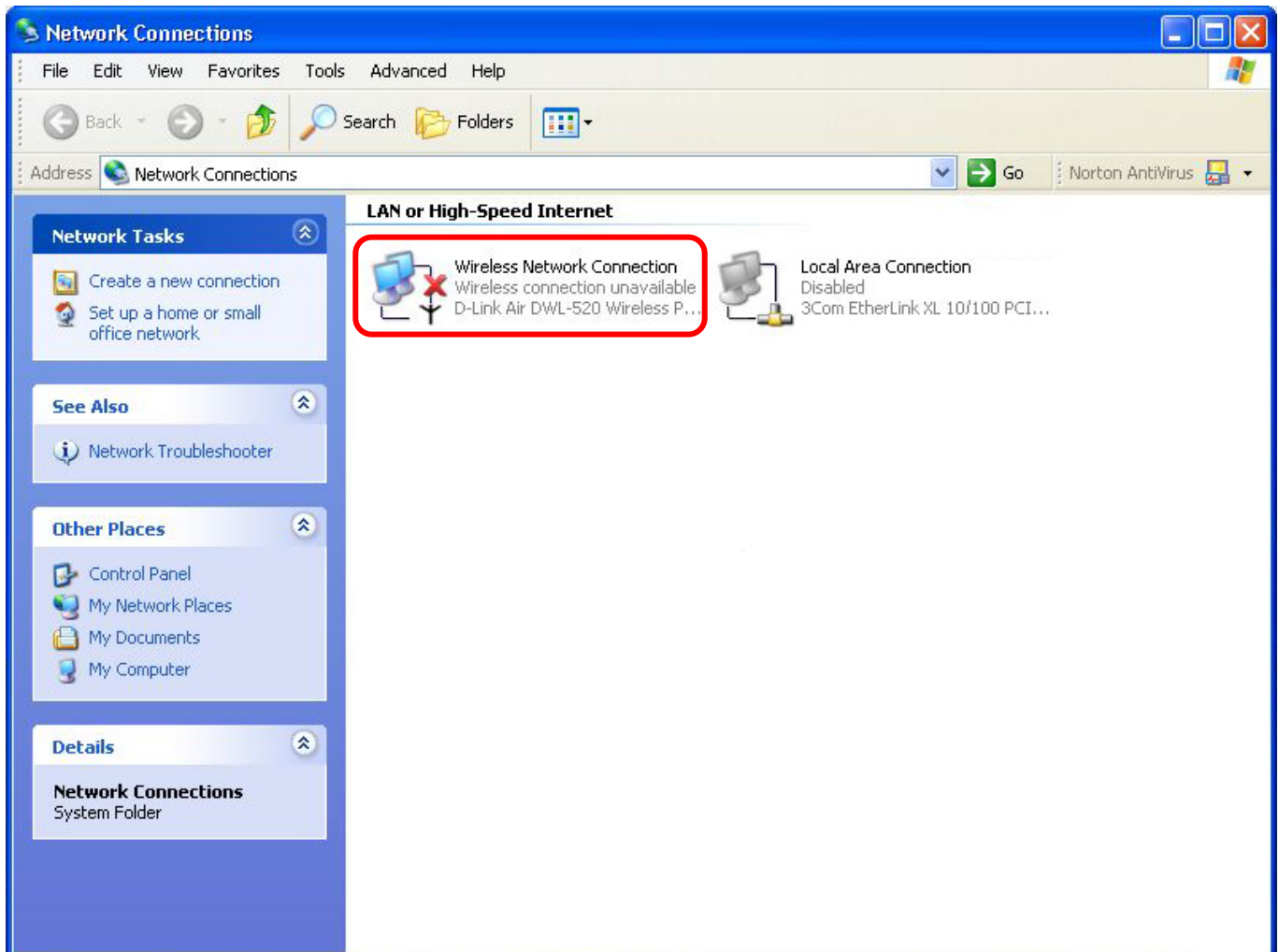


4. Enter the network key you have specified to the input box and click **OK**.

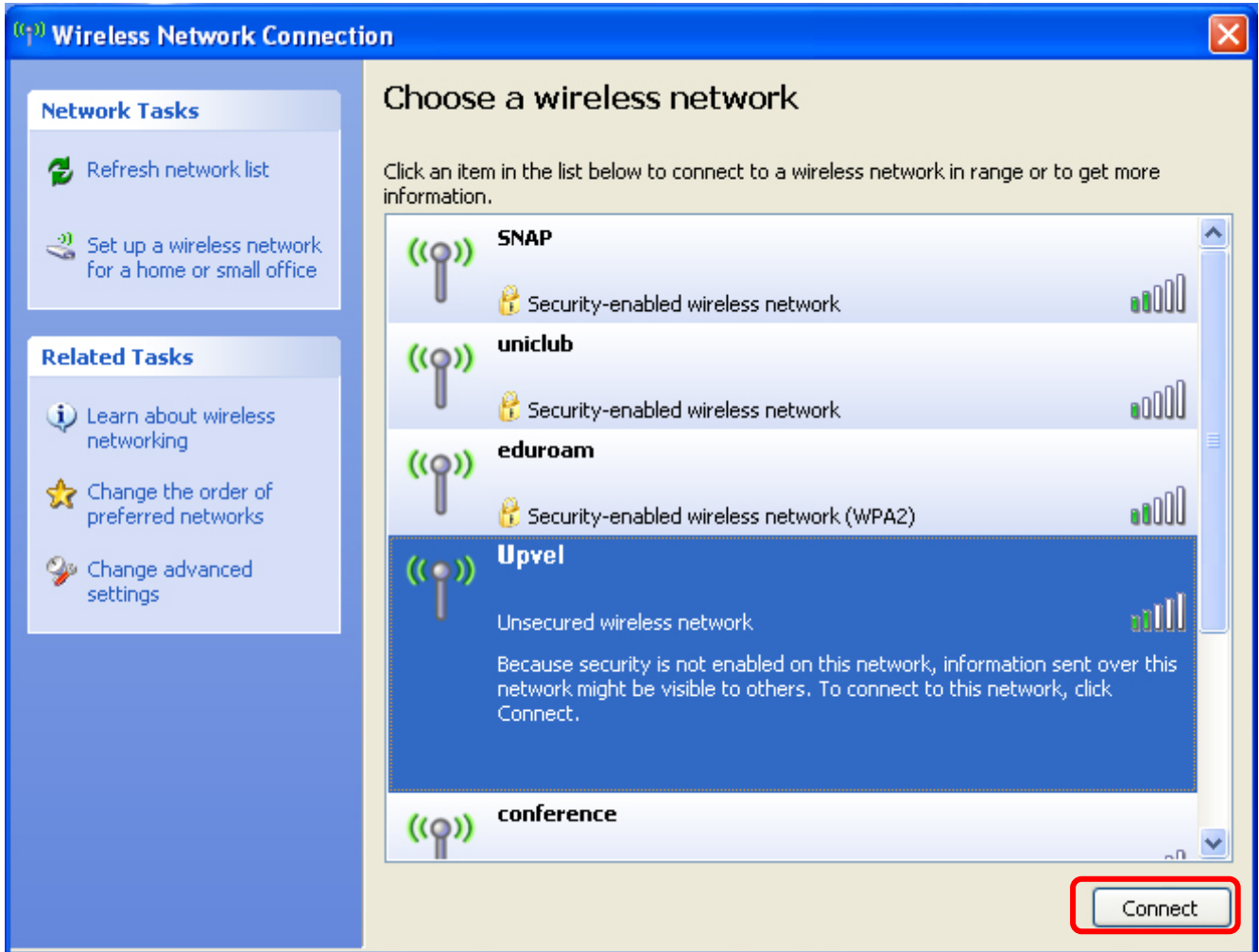


Windows XP

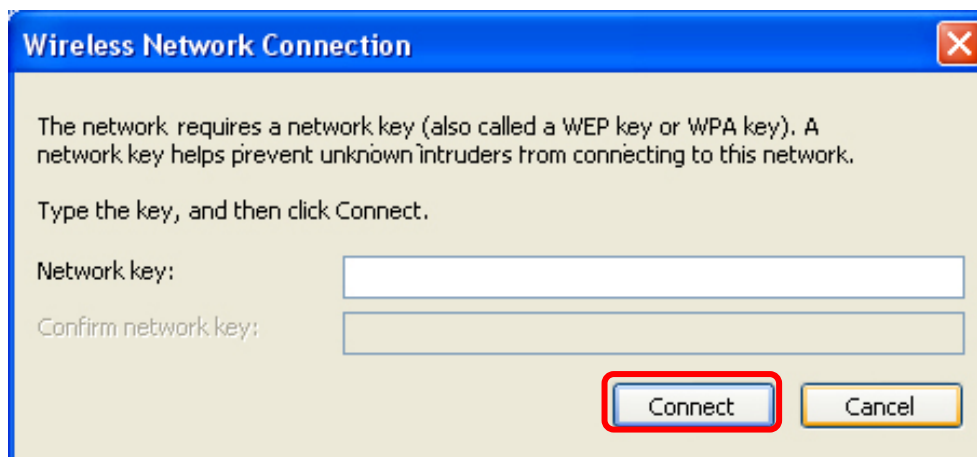
1. Click the **Start** button, then follow to **Control Panel**. Double-click the **Network Connections**.
2. Double-click on **Wireless Network Connection**



3. In the next window choose Wi-Fi network with the name you have specified, and click **Connect**.



4. Enter the network key you have specified to the both input boxes and click **Connect**.



Tips on wireless performance optimization

A set of various factors can impact the range of wireless devices.

1. Adjust your wireless devices so that the signal is traveling in a straight path, rather than at an angle. The more material the signal has to pass through the more signal you will lose.
2. Keep the number of obstructions to a minimum. Each obstruction can reduce the range of a wireless device. Position the wireless devices in a manner that will minimize the amount of obstructions between them.
3. Building materials can have a large impact on your wireless signal. In an indoor environment, try to position the wireless devices so that the signal passes through less dense material such as dry wall. Dense materials like metal, solid wood, glass or even furniture may block or degrade the signal.
4. Antenna orientation can also have a large impact on your wireless signal. Use the wireless adapter's site survey tool to determine the best antenna orientation for your wireless devices.
5. Interference from devices that produce RF (radio frequency) noise can also impact your signal. Position your wireless devices away from anything that generates RF noise, such as microwaves, radios and baby monitors.
6. Any device operating on the 2.4GHz frequency will cause interference. Devices such as 2.4GHz cordless phones or other wireless remotes operating on the 2.4GHz frequency can potentially drop the wireless signal. Although the phone may not be in use, the base can still transmit wireless signals. Move the phone's base station as far away as possible from your wireless devices.

If you are still experiencing low or no signal, consider repositioning the wireless devices or installing additional access points.

Configuring your router through Web-interface

Besides using the Configuration Wizard you are able to set up your router using Web-interface.

Open your Web browser and go to <http://192.168.10.1>



Your router will prompt you for a user name and password.

Enter the default user name and password and then click **Login**.

Default User Name: **admin**

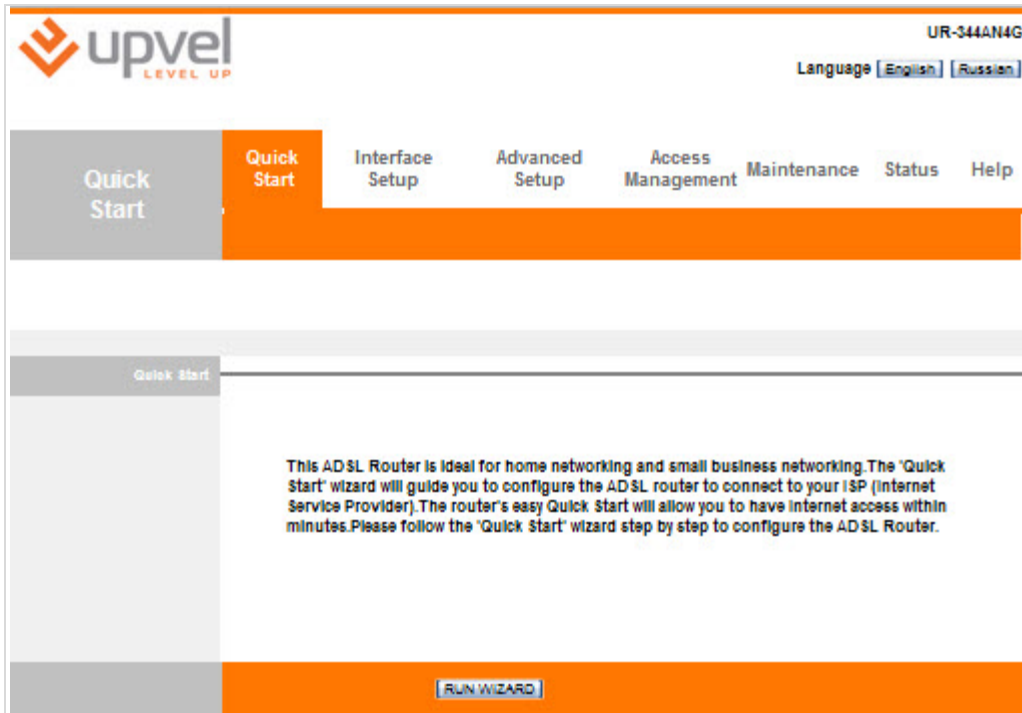
Default Password: **admin**

Quick Installation

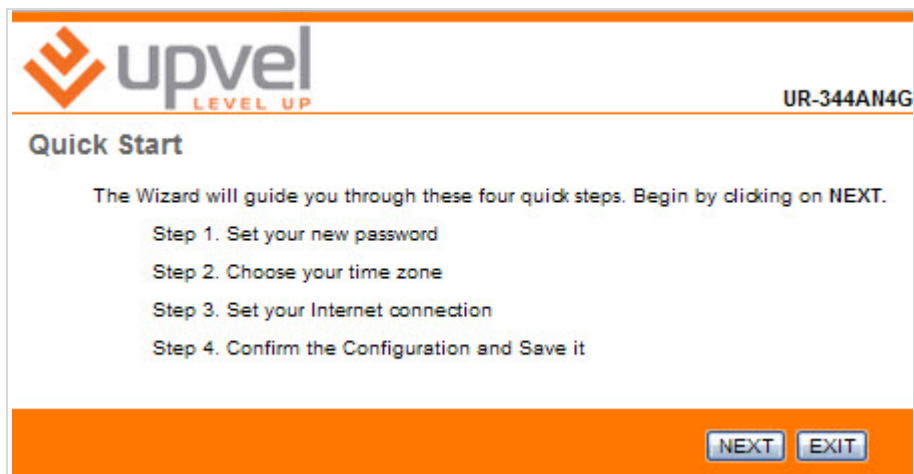
For quick installation through the router's web-interface go to the main (Status) page and click **Quick Start** tab .

The screenshot displays the Upvel router's web interface. At the top, the logo 'upvel LEVEL UP' is on the left, and 'UR-354AN4G' is on the right. Below the logo, there are language selection buttons for 'English' and 'Russian'. A navigation menu includes 'Status' (highlighted), 'Quick Start', 'Interface Setup', 'Advanced Setup', 'Access Management', 'Maintenance', and 'Help'. Under the 'Status' tab, there are sub-tabs for 'Device Info', 'System Log', and 'Statistics'. The main content area is divided into sections: 'Device Information' (Firmware Version: Upvel V1, MAC Address: f8:c0:91:22:67:7c), 'LAN' (IPv4: IP Address: 192.168.10.1, Subnet Mask: 255.255.255.0, DHCP: Enabled; IPv6: Link local IP: fe80::1/64, Manual Global IP, Dynamic Global IP, DHCP Server: Enable), 'VPN' (IPv4: Status: Not Connected, IP Address: N/A, Subnet Mask: N/A, Default Gateway: N/A, Primary DNS: N/A), '3G' (IPv4: USB Device: Unplugged, Status: Not Connected, IP Address: N/A, Subnet Mask: N/A, Default Gateway: N/A, DNS Server: N/A), and 'WAN' (Interface: WAN0, Service: 0, Connection Type: Dynamic IP; IPv4: Status: Connected, IP Address: 10.0.0.239, Subnet Mask: 255.255.255.0, Default Gateway: 10.0.0.5, Primary DNS: 10.0.0.5, buttons: renewIP, releaseIP; IPv6: Status: Not Connected, IP Address: N/A, Prefix Length: N/A, Default Gateway: N/A, Primary DNS: N/A, Prefix Delegation: N/A, buttons: renewIP6, releaseIP6).

Then click **RUN WIZARD**.

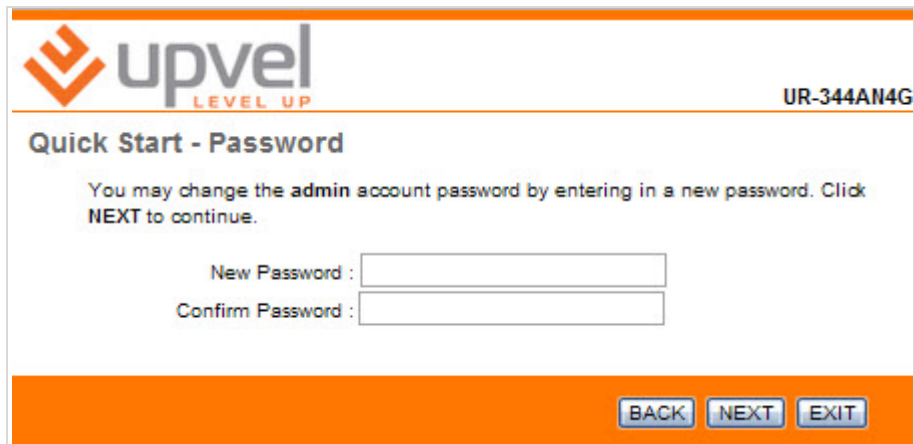


Click **NEXT**.



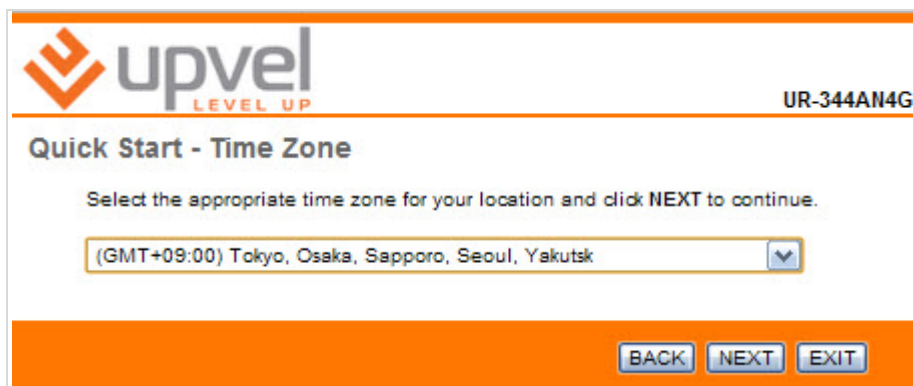
Set a new password for admin account. Enter the same password into both boxes and click **NEXT**.

Note: If you ever factory reset your router the default password will revert back to "admin".



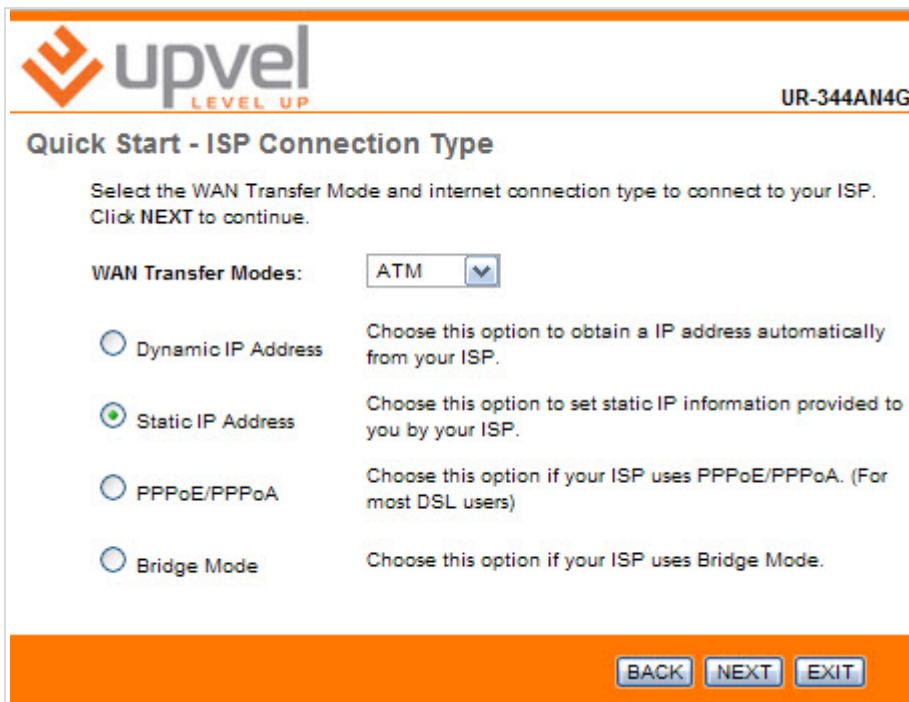
The screenshot shows the 'Quick Start - Password' page of the UPVEL router. At the top left is the UPVEL logo with the tagline 'LEVEL UP'. At the top right is the model number 'UR-344AN4G'. The main heading is 'Quick Start - Password'. Below the heading is a paragraph: 'You may change the admin account password by entering in a new password. Click NEXT to continue.' There are two input fields: 'New Password :' and 'Confirm Password :'. At the bottom right, there are three buttons: 'BACK', 'NEXT', and 'EXIT'.


Select the appropriate time zone from the dropdown list and click **NEXT**.



The screenshot shows the 'Quick Start - Time Zone' page of the UPVEL router. At the top left is the UPVEL logo with the tagline 'LEVEL UP'. At the top right is the model number 'UR-344AN4G'. The main heading is 'Quick Start - Time Zone'. Below the heading is a paragraph: 'Select the appropriate time zone for your location and click NEXT to continue.' There is a dropdown menu with the text '(GMT+09:00) Tokyo, Osaka, Sapporo, Seoul, Yakutsk' and a downward arrow. At the bottom right, there are three buttons: 'BACK', 'NEXT', and 'EXIT'.

Select the connection type which your ISP uses and click **NEXT**. If you're not sure which connection type is yours please contact your ISP's support.



 UR-344AN4G

Quick Start - ISP Connection Type

Select the WAN Transfer Mode and internet connection type to connect to your ISP.
Click **NEXT** to continue.

WAN Transfer Modes:

- Dynamic IP Address Choose this option to obtain a IP address automatically from your ISP.
- Static IP Address Choose this option to set static IP information provided to you by your ISP.
- PPPoE/PPPoA Choose this option if your ISP uses PPPoE/PPPoA. (For most DSL users)
- Bridge Mode Choose this option if your ISP uses Bridge Mode.

Dynamic IP address

If VPI and VCI values are different then the default ones please enter the actual values into the boxes. Then please click **NEXT**.

Note. All the necessary information generally can be found in the agreement with your ISP. You may also clarify it contacting with your ISP's support.

upvel LEVEL UP UR-344AN4G

Quick Start - Dynamic IP

The CLONE Button is used to copy the MAC address of your Ethernet adapter to the ADSL Router. Click NEXT to continue.

VPI: 1 (range: 0~255)
VCI: 50 (range: 32~85535)

Connection Type: 1483 Bridged IP LLC
1483 Bridged IP VC-Mux
1483 Routed IP LLC(IPoA)
1483 Routed IP VC-Mux

OK NEXT EXIT

PPPoE/PPPoA

Enter you username and password into the boxes. If VPI and VCI values are different then the default ones please enter the actual values into the boxes. Then please click **NEXT**.

Note. All the necessary information generally can be found in the agreement with your ISP. You may also clarify it contacting with your ISP's support.

upvel LEVEL UP UR-344AN4G

Quick Start - Static IP Address

Enter the static IP information provided to you by your ISP. Click NEXT to continue.

VPI: 1 (range: 0~255)
VCI: 50 (range: 32~85535)

IP Address: _____
Subnet mask: _____
ISP Gateway: _____

Connection Type: 1483 Bridged IP LLC
1483 Bridged IP VC-Mux
1483 Routed IP LLC(IPoA)
1483 Routed IP VC-Mux

OK NEXT EXIT

Static IP address

Enter your IP-address, subnet mask and gateway into the boxes. If VPI and VCI values are different then the default ones please enter the actual values into the boxes. Then please click **NEXT**.

Note. All the necessary information generally can be found in the agreement with your ISP. You may also clarify it contacting with your ISP's support.

upvel LEVEL UP UR-344AN4G

Quick Start - PPPoE/PPPoA

Enter the PPPoE/PPPoA information provided to you by your ISP. Click NEXT to continue.

Username: user
Password: ****

VPI: 1 (range: 0~255)
VCI: 50 (range: 32~85535)

Connection Type: PPPoE LLC

BACK NEXT EXIT

Bridge Mode

If VPI and VCI values are different then the default ones please enter the actual values into the boxes. Then please click **NEXT**.

Note. All the necessary information generally can be found in the agreement with your ISP. You may also clarify it contacting with your ISP's support. *технической поддержки Интернет-провайдера.*

upvel LEVEL UP UR-344AN4G

Quick Start - Bridge Mode

Enter the bridge information provided to you by your ISP. Click NEXT to continue.

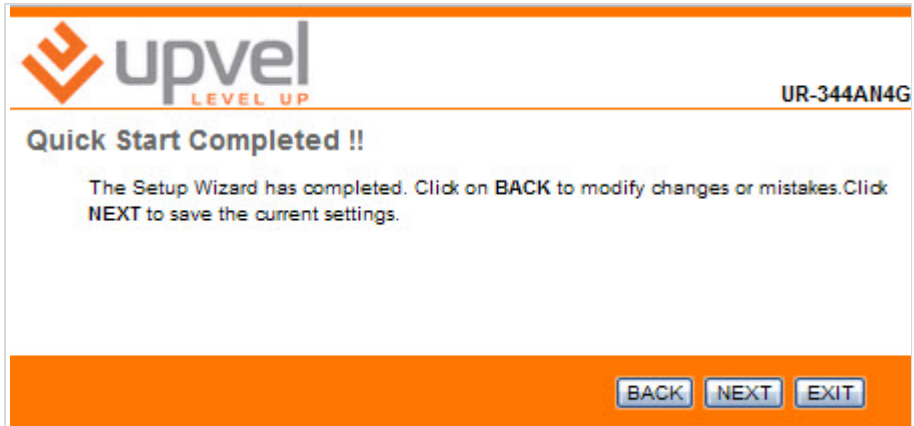
VPI: 1 (range: 0~255)
VCI: 50 (range: 32~85535)

Connection Type: 1483 Bridged Only LLC
1483 Bridged Only VC-Mux
1483 Bridged Only VC-Mux

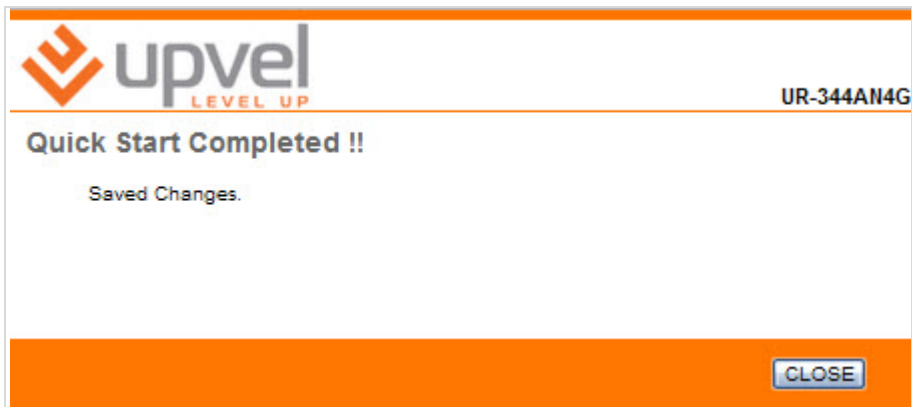
BACK NEXT EXIT

Please click **NEXT** and wait a little for your settings to take effect.

*If you would like to change some settings please click **BACK**.
To discard all the settings and quit the Quick Start Master please click **CANCEL**.*



Please click **CLOSE** to quit.



Web-interface guide

After you enter to 192.168.10.1 with your web-browser you see the home page of your router's web-interface (**Status**). Here you are able to overview the state and settings of all the router's network interfaces as well as the firmware version.

The screenshot displays the web interface of the UPVEL ADSL Modem Router, specifically the **Status** page. The interface includes a navigation menu with options like **Quick Start**, **Interface Setup**, **Advanced Setup**, **Access Management**, **Maintenance**, **Status** (highlighted), and **Help**. Below the navigation menu, there are sub-sections for **Device Info**, **System Log**, and **Statistics**.

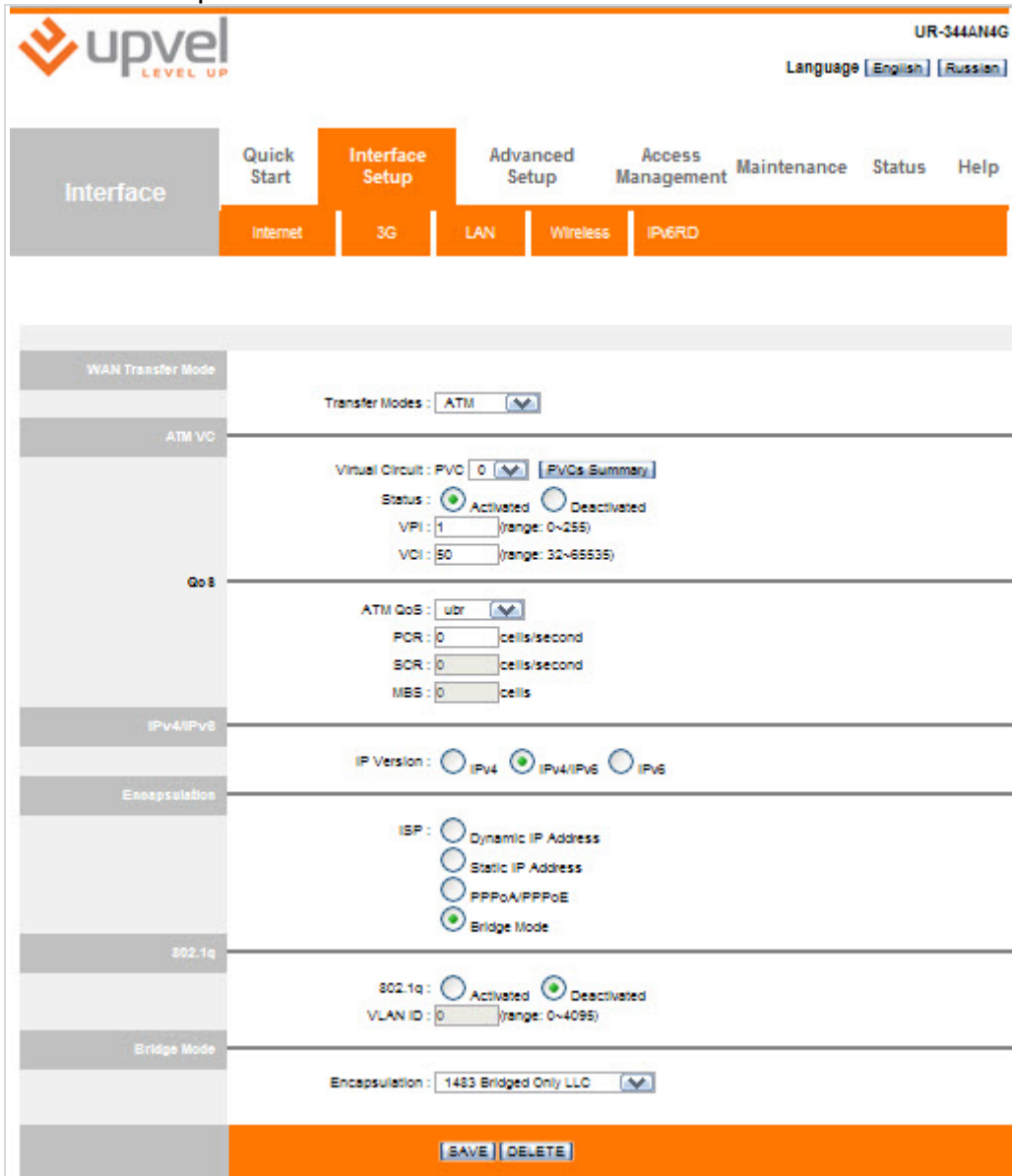
The main content area is divided into several sections:

- Device Information:** Shows Firmware Version: Upvel V1 and MAC Address: 00:aa:bb:01:23:45.
- LAN:**
 - IPv4:** IP Address: 192.168.10.1, Subnet Mask: 255.255.255.0, DHCP: Enabled.
 - IPv6:** Link local IP: fe80::164, Manual Global IP: , Dynamic Global IP: , DHCP Server: Enable.
- USB:** USB Device: Unplugged.
- WAN:**
 - IPv4:** Interface: WAN0, Service: 0, Connection Type: Dynamic IP. Status: Connected. IP Address: 10.0.0.189 (with **renewIP** and **releaseIP** buttons), Subnet Mask: 255.255.255.0, Default Gateway: 10.0.0.5, Primary DNS: 10.0.0.5.
 - IPv6:** Status: Not Connected. IP Address: N/A, Prefix Length: N/A, Default Gateway: N/A, Primary DNS: N/A, Prefix Delegation: N/A.

Connecting to the Internet via ADSL

Please go to **Interface Setup - Internet**. Here you should specify your Internet connection settings according to the agreement with your ISP.

In **Transfer Modes** menu please select **ATM**.



The screenshot shows the 'Interface Setup' configuration page for an Internet connection. The page is titled 'WAN Transfer Mode' and includes the following settings:

- Transfer Modes:** ATM (selected)
- Virtual Circuit:** PVC 0 (with a link to 'PVCs Summary')
- Status:** Activated (selected), Deactivated
- VPI:** 1 (range: 0-255)
- VCI:** 50 (range: 32-65535)
- ATM QoS:**ubr (selected)
- PCR:** 0 cells/second
- SCR:** 0 cells/second
- MBS:** 0 cells
- IP Version:** IPv4/IPv6 (selected), IPv4, IPv6
- ISP:** Bridge Mode (selected), Dynamic IP Address, Static IP Address, PPPoA/PPPoE
- 802.1q:** Deactivated (selected), Activated
- VLAN ID:** 0 (range: 0-4095)
- Encapsulation:** 1483 Bridged Only LLC (selected)

At the bottom of the page, there are 'SAVE' and 'DELETE' buttons.

If VPI and VCI values (according to the agreement with the ISP) are different then the default ones please enter the actual values into the boxes. Otherwise leave them unchanged.

ATM VC	Virtual Circuit : PVC <input type="text" value="0"/> PVCs Summary Status : <input checked="" type="radio"/> Activated <input type="radio"/> Deactivated VPI : <input type="text" value="1"/> (range: 0~255) VCI : <input type="text" value="50"/> (range: 32~65535)
--------	--

Connecting with dynamic IP address

Leave settings unchanged unless otherwise stated in the agreement with the ISP.

Then click **SAVE** at the bottom.

Encapsulation	ISP : <input checked="" type="radio"/> Dynamic IP Address <input type="radio"/> Static IP Address <input type="radio"/> PPPoE <input type="radio"/> Bridge Mode
802.1q	802.1q : <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated VLAN ID : <input type="text" value="0"/> (range: 0~4095)
802.1X	802.1X : <input type="text" value="Disable"/>
802.1X Authentication	EAP Identity : <input type="text"/> EAP Method : EAP-TLS <input checked="" type="checkbox"/> Enable Bidirectional Authentication Certificate : <input type="text" value="client.crt"/> Trusted CA : <input type="text" value="cacert.pem"/>
Dynamic IP	IP Common Options Bridge Interface : <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated Default Route : <input checked="" type="radio"/> Yes <input type="radio"/> No TCP MTU Option : TCP MTU(0:default) <input type="text" value="0"/> bytes
IPv4 Options	NAT : <input type="text" value="Enable"/> Dynamic Route : <input type="text" value="RIP1"/> Direction <input type="text" value="None"/> IGMP Proxy : <input type="radio"/> Enable <input checked="" type="radio"/> Disable

Connecting with static IP address

Enter your IP-address, subnet mask and gateway into the boxes. Leave the other settings unchanged unless otherwise stated in the agreement with the ISP.

Then click **SAVE** at the bottom.

Encapsulation	ISP: <input type="radio"/> Dynamic IP Address <input checked="" type="radio"/> Static IP Address <input type="radio"/> PPPoE <input type="radio"/> Bridge Mode
802.1q	802.1q: <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated VLAN ID: <input type="text" value="0"/> (range: 0-4095)
802.1X	802.1X: <input type="text" value="Disable"/>
802.1X Authentication	EAP Identity: <input type="text"/> EAP Method: EAP-TLS <input checked="" type="checkbox"/> Enable Bidirectional Authentication Certificate: <input type="text" value="client.crt"/> Trusted CA: <input type="text" value="ca-cert.pem"/>
Static IP	
IP Common Options	Bridge Interface: <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated Default Route: <input checked="" type="radio"/> Yes <input type="radio"/> No TCP MTU Option: TCP MTU(0:default) <input type="text" value="0"/> bytes
IPv4 Options	Static IP Address: <input type="text"/> IP Subnet Mask: <input type="text"/> Gateway: <input type="text"/> NAT: <input type="text" value="Enable"/> Dynamic Route: <input type="text" value="RIP1"/> Direction <input type="text" value="None"/> IGMP Proxy: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
IPv6 Options	IPv6 Message Fetch Type: Static Mode <div style="border: 2px solid blue; padding: 5px;"><input type="text" value="IPv6 Address"/> / <input type="text"/> <input type="text" value="IPv6 Default Gateway"/> <input type="text" value="IPv6 DNS Server1"/> <input type="text" value="IPv6 DNS Server2"/></div> MLD Proxy: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
<input type="button" value="SAVE"/>	

Connecting by PPPoA/PPPoE protocol with dynamic IP address

Enter your username and password into the boxes. Leave the other settings unchanged unless otherwise stated in the agreement with the ISP.

Then click **SAVE** at the bottom.

Encapsulation	ISP: <input type="radio"/> Dynamic IP Address <input type="radio"/> Static IP Address <input checked="" type="radio"/> PPPoE <input type="radio"/> Bridge Mode
802.1q	802.1q: <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated VLAN ID: <input type="text" value="0"/> (range: 0~4095)
PPPoE	Username: <input type="text"/> Password: <input type="text"/>
Connection Setting	Bridge Interface: <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated Connection: <input checked="" type="radio"/> Always On (Recommended) <input type="radio"/> Connect Manually TCP MSS Option: TCP MSS(0 means use default) <input type="text" value="0"/> bytes
IP Options	
IP Common Options	Default Route: <input checked="" type="radio"/> Yes <input type="radio"/> No
IPv4 Options	Get IP Address: <input type="radio"/> Static <input checked="" type="radio"/> Dynamic Static IP Address: <input type="text" value="0.0.0.0"/> IP Subnet Mask: <input type="text" value="0.0.0.0"/> Gateway: <input type="text" value="0.0.0.0"/> NAT: <input type="text" value="Enable"/> Dynamic Route: <input type="text" value="RIP1"/> Direction: <input type="text" value="None"/> TCP MTU Option: TCP MTU(0 means use default:1492) <input type="text" value="0"/> bytes IGMP Proxy: <input type="radio"/> Enable <input checked="" type="radio"/> Disabled
IPv6 Options	DHCP IPv6 Mode: <input type="radio"/> DHCP <input checked="" type="radio"/> SLAAC DHCP PD Enable: <input type="radio"/> Enable <input checked="" type="radio"/> Disable MLD Proxy: <input type="radio"/> Enable <input checked="" type="radio"/> Disable
<input type="button" value="SAVE"/>	

Connecting by PPPoA/PPPoE protocol with static IP address

Enter your username and password as well as your IP-address, subnet mask and gateway into the boxes. Leave the other settings unchanged unless otherwise stated in the agreement with the ISP.

Then click **SAVE** at the bottom.

The screenshot displays a network configuration interface with the following sections and settings:

- Encapsulation:** ISP: Dynamic IP Address, Static IP Address, PPPoE, Bridge Mode
- 802.1q:** 802.1q: Activated, Deactivated; VLAN ID: 0 (range: 0-4095)
- PPPoE:** Username: [text box], Password: [text box]; Bridge Interface: Activated, Deactivated
- Connection Setting:** Connection: Always On (Recommended), Connect Manually; TCP MSS Option: TCP MSS(0 means use default) 0 bytes
- IP Options:** Default Route: Yes, No
- IPv4 Options:** Get IP Address: Static, Dynamic; Static IP Address: [text box], IP Subnet Mask: 255.255.255.255, Gateway: [text box]; NAT: Enable; Dynamic Route: RIP1, Direction: None; TCP MTU Option: TCP MTU(0 means use default:1492) 0 bytes
- IPv6 Options:** IGMP Proxy: Enable, Disabled; DHCP IPv6 Mode: DHCP, SLAAC; DHCP PD Enable: Enable, Disable; MLD Proxy: Enable, Disable

A blue box highlights the Username and Password fields in the PPPoE section, and another blue box highlights the Static IP Address, IP Subnet Mask, and Gateway fields in the IPv4 Options section.

SAVE

Bridge mode

Leave the settings unchanged unless otherwise stated in the agreement with the ISP.

Then click **SAVE** at the bottom.

Encapsulation	
	ISP: <input type="radio"/> Dynamic IP Address <input type="radio"/> Static IP Address <input type="radio"/> PPPoA/PPPoE <input checked="" type="radio"/> Bridge Mode
802.1q	802.1q: <input type="radio"/> Activated <input checked="" type="radio"/> Deactivated VLAN ID: <input type="text" value="0"/> (range: 0-4095)
Bridge Mode	Encapsulation: 1483 Bridged Only LLC <input type="button" value="v"/>
<input type="button" value="SAVE"/> <input type="button" value="DELETE"/>	

Connecting to the Internet via Ethernet

Please go to **Interface Setup - Internet**. In **Transfer Modes** menu please select **Ethernet**.

Please mind the following settings:

Encapsulation. Select the connection type your ISP requires.

***Note:** for instructions on configuring PPTP and L2TP connection please refer to the next chapter.*

Username and **password**. If your ISP provided you with the login and password to connect the Internet please enter them here. This information can be noted in the agreement with the ISP or in its support.


IP common options. Make sure the **Default Route** - Yes.

NAT. Select "Enable".

IGMP Proxy. Select "Enable".

Click **SAVE**.

(please see the image at the next page)


UR-344AN4G+

Language English Russian

Interface
Quick Start
Interface Setup
Advanced Setup
Access Management
Maintenance
Status
Help

Internet
3G
VPN
LAN
Wireless
IPv6RD

WAN Transfer Mode

Transfer Modes : Ethernet ▼

MULTI SERVICE

Service Num : 0 ▼ Services Summary

Status : Activated Deactivated

IPv4/IPv6

IP Version : IPv4 IPv4/IPv6 IPv6

Encapsulation

ISP : Dynamic IP Address
 Static IP Address
 PPPoE
 Bridge Mode

802.1q

802.1q : Activated Deactivated

VLAN ID : 0 (range: 0-4095)

802.1X

802.1X Authentication

802.1X : Disable ▼

EAP Identity :

EAP Method : EAP-TLS

Enable Bidirectional Authentication

Certificate : client.crt ▼

Trusted CA : cacert.pem ▼

Dynamic IP

IP Common Options

Bridge Interface : Activated Deactivated

MAC Address Clone : Disabled ▼

Default Route : Yes No

TCP MTU Option : TCP MTU(0:default) 0 bytes

IPv4 Options

NAT : Enable ▼

Dynamic Route : RIP1 ▼ Direction None ▼

IGMP Proxy : Enable Disable

IPv6 Address

IPv6 Message Fetch Type : Dynamic Mode

DHCP IPv6 Enable : DHCP SLAAC

DHCP PD Enable : Enable Disable

MLD Proxy : Enable Disable

SAVE

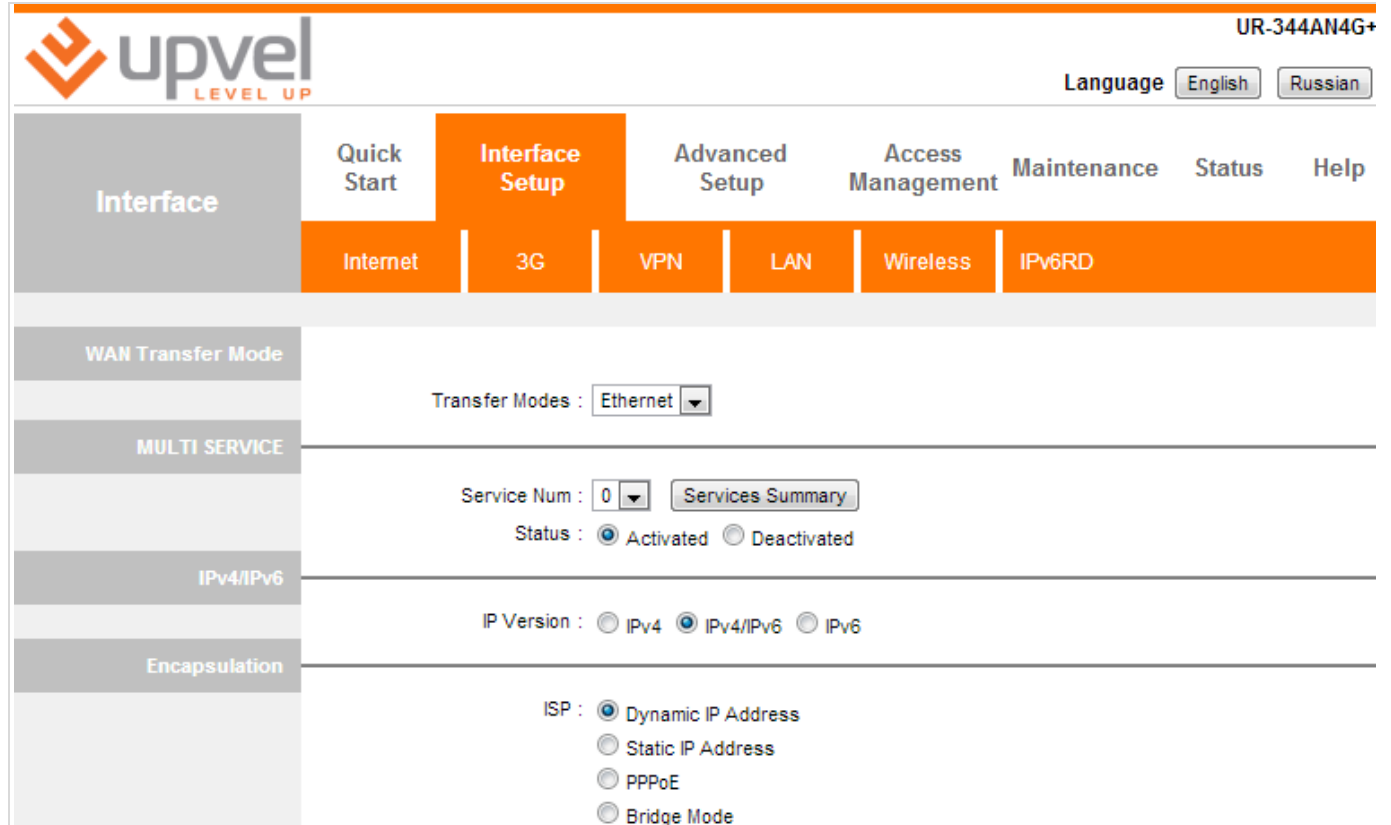
Connecting to the Internet via L2TP and PPTP

If your ISP provides Internet access via PPTP or L2TP protocol, please apply the following settings.

Please go to **Interface Setup - Internet**.

- In **WAN Transfer Mode** select **Ethernet**;
- In **Encapsulation** Select **Dynamic** or **Static IP Address** (depends on the configuration your ISP requires).

Click **SAVE**.



The screenshot shows the upvel web interface for device UR-344AN4G+. The top navigation bar includes 'Quick Start', 'Interface Setup' (highlighted), 'Advanced Setup', 'Access Management', 'Maintenance', 'Status', and 'Help'. Below this is a sub-menu with 'Internet', '3G', 'VPN', 'LAN', 'Wireless', and 'IPv6RD'. The main content area is divided into sections: 'WAN Transfer Mode' with a dropdown set to 'Ethernet'; 'MULTI SERVICE' with 'Service Num' set to '0' and a 'Services Summary' button; 'IPv4/IPv6' with 'IP Version' set to 'IPv4/IPv6'; and 'Encapsulation' with 'ISP' set to 'Dynamic IP Address'. Other options include 'Static IP Address', 'PPPoE', and 'Bridge Mode'. The status is set to 'Activated'.

Then go to **Interface Setup - VPN**.

Select **PPTP** or **L2TP** protocol (depends on the configuration your ISP requires) and specify all the necessary settings.

- **IP** - enter the IP address or URL of the VPN server;
- **Username** - enter the username provided by the ISP (the username you use for the Internet access);
- **Password** - enter the password you use for the Internet access.

These settings generally can be found in the agreement with your ISP or clarified in your ISP's support.

Click **SAVE**.

UR-344AN4G+

Language

Interface **Quick Start** **Interface Setup** Advanced Setup Access Management Maintenance Status Help

Internet 3G **VPN** LAN Wireless IPv6RD

L2TP

L2TP : Activated Deactivated

IP :

Username :

Password :

PPTP

PPTP : Activated Deactivated

IP :

Username :

Password :

Connecting to the Internet via 3G

Please go to **Interface Setup - 3G**.

To establish Internet connection via 3G/4G modem you should use the settings as stated below:

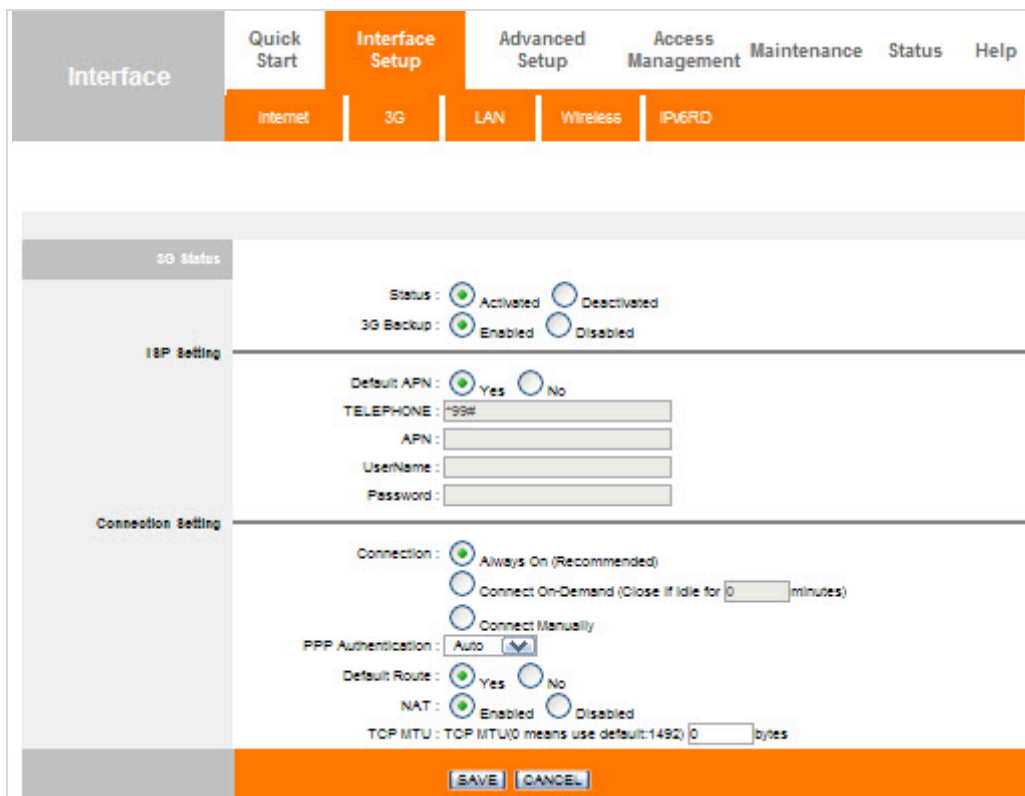
Status: **Activated**

3G Backup: **Enabled**

Default APN: **Yes**

Leave the other settings unchanged.

Then click **SAVE** at the bottom.



The screenshot shows a web-based configuration interface for a 3G modem. The top navigation bar includes 'Interface', 'Quick Start', 'Interface Setup', 'Advanced Setup', 'Access Management', 'Maintenance', 'Status', and 'Help'. Under 'Interface Setup', there are sub-tabs for 'Internet', '3G', 'LAN', 'Wireless', and 'IPv6RD'. The '3G' sub-tab is selected.

The main configuration area is divided into three sections:

- 3G Status:** Status: Activated Deactivated; 3G Backup: Enabled Disabled
- ISP Setting:** Default APN: Yes No; TELEPHONE: ; APN: ; UserName: ; Password:
- Connection Setting:** Connection: Always On (Recommended) Connect On-Demand (Close if idle for minutes) Connect Manually; PPP Authentication: ; Default Route: Yes No; NAT: Enabled Disabled; TCP MTU: TCP MTU(0 means use default:1492) bytes

At the bottom, there are 'SAVE' and 'CANCEL' buttons.

Interface setup > LAN

Here you are able to set one **alias IP** address for creating an additional logical LAN interface using the same physical one.

You are also able to set DHCP reservation function here. You should enter MAC address of a certain device and IP address you want this device to obtain each time it connects your network.

Interface	Quick Start	Interface Setup	Advanced Setup	Access Management	Maintenance	Status	Help										
	Internet	3G	LAN	Wireless	IPv6RD												
Router Local IP	IP Address : <input type="text" value="192.168.10.1"/> IP Subnet Mask : <input type="text" value="255.255.255.0"/> Alias IP Address : <input type="text" value="192.168.2.1"/> (0.0.0.0 means to close the alias ip) Alias IP Subnet Mask : <input type="text" value="255.255.255.0"/> IcmpSnoop : <input checked="" type="radio"/> Activated <input type="radio"/> Deactivated MldSnoop : <input checked="" type="radio"/> Activated <input type="radio"/> Deactivated Dynamic Route : <input type="text" value="RIP1"/> Direction <input type="text" value="None"/>																
DHCP	DHCP : <input type="radio"/> Disabled <input checked="" type="radio"/> Enabled <input type="radio"/> Relay Start IP : <input type="text" value="192.168.10.10"/> IP Pool Count : <input type="text" value="244"/> Lease Time : <input type="text" value="259200"/> seconds (0 sets to default value of 259200) Physical Ports : <input type="checkbox"/> LAN1 <input checked="" type="checkbox"/> LAN2 <input checked="" type="checkbox"/> LAN3 <input checked="" type="checkbox"/> LAN4 <input checked="" type="checkbox"/> WLAN1																
DNS	DNS Relay : <input checked="" type="radio"/> Automatically <input type="radio"/> Manually Primary DNS : <input type="text" value="N/A"/> Secondary DNS : <input type="text" value="N/A"/>																
Add DHCP Reservation	IP Address : <input type="text"/> MAC Address : <input type="text"/> <table border="1"> <thead> <tr> <th>Index</th> <th>IP</th> <th>MAC</th> <th>Drop</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SLAY</td> <td>192.168.10.11</td> <td>90:EE:BA:CD:BB:5F</td> <td>2days 22:36:1</td> </tr> </tbody> </table>							Index	IP	MAC	Drop	1	SLAY	192.168.10.11	90:EE:BA:CD:BB:5F	2days 22:36:1	
Index	IP	MAC	Drop														
1	SLAY	192.168.10.11	90:EE:BA:CD:BB:5F	2days 22:36:1													
DHCP Clients List	<table border="1"> <thead> <tr> <th>#</th> <th>HostName</th> <th>IP</th> <th>MAC Address</th> <th>Expire Time</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>SLAY</td> <td>192.168.10.11</td> <td>90:EE:BA:CD:BB:5F</td> <td>2days 22:36:1</td> </tr> </tbody> </table>							#	HostName	IP	MAC Address	Expire Time	1	SLAY	192.168.10.11	90:EE:BA:CD:BB:5F	2days 22:36:1
#	HostName	IP	MAC Address	Expire Time													
1	SLAY	192.168.10.11	90:EE:BA:CD:BB:5F	2days 22:36:1													
IPv6 Address	IPv6 Global Address : <input type="text"/> / <input type="text"/>																
Radvd	Radvd Enable : <input checked="" type="radio"/> Disable <input type="radio"/> Enable																
DHCPv6	DHCPv6 Server : <input type="radio"/> Disable <input checked="" type="radio"/> Enable DHCPv6 Mode : <input checked="" type="radio"/> Auto <input type="radio"/> Manual																
Ethernet Media Type	Port 1 : <input type="text" value="Auto"/> Port 2 : <input type="text" value="Auto"/> Port 3 : <input type="text" value="Auto"/> Port 4 : <input type="text" value="Auto"/>																
<input type="button" value="SAVE"/> <input type="button" value="CANCEL"/>																	

Interface setup > Wireless

Here you are able to adjust the settings of a wireless network. The default settings are appropriate for most users.

However you can select the other wireless network modes. E.g. if your network does not contain 802.11b and 802.11g devices you can choose **802.11n** mode.

You can also change the SSID and passkey which is necessary to get access to the wireless network.



UR-344AN4G

Language [English](#) [Russian](#)

[Interface](#)
[Quick Start](#)
[Interface Setup](#)
[Advanced Setup](#)
[Access Management](#)
[Maintenance](#)
[Status](#)
[Help](#)

[Internet](#)
[3G](#)
[LAN](#)
[Wireless](#)
[IPv6RD](#)

DTIM: (range: 1~255)

Wireless Mode:

Station Number: (range: 0~31, 0 means no limit)

11n Settings

Channel Bandwidth:

Extension Channel:

Guard Interval:

MCS:

SSID Settings

SSID Index:

SSID:

Broadcast SSID: Yes No

Use WPS: Yes No

WPS Settings

WPS state: Configured

WPS mode: PIN code PBC

WPS progress: Idle

Authentication Type:

WPA-PSK

Encryption:

Pre-Shared Key: (8~63 characters or 64 Hex string)

Key Renewal Interval: seconds (0 ~ 4194303)

WDS Settings

WDS Mode: Activated Deactivated

WDS Encryption Type:

WDS Key: (8~63 characters or 64 Hex string)

WDS Peer MAC #1:

WDS Peer MAC #2:

WDS Peer MAC #3:

WDS Peer MAC #4:

Wireless MAC Address Filter

Active: Activated Deactivated

Action: the follow Wireless LAN station(s) association.

Mac Address #1:

Mac Address #2:

Mac Address #3:

Mac Address #4:

Mac Address #5:

Mac Address #6:

Mac Address #7:

Mac Address #8:

IPTV setup

To set up your router for co-working with IPTV you should state settings as represented below:

Go to **Interface setup> Internet**.

Choose PVC1 virtual channel. For VPI and VCI please use the values depending on your ISP's requirements respectively.

For ATM QoS use UBR option.

Choose the connection type **Bridge mode**.

The screenshot shows the 'Interface Setup' configuration page for the 'Internet' interface. The page is titled 'upvel LEVEL UP' and includes a user ID 'UR-344AN4G+' and language options for 'English' and 'Russian'. The navigation menu includes 'Quick Start', 'Interface Setup', 'Advanced Setup', 'Access Management', 'Maintenance', 'Status', and 'Help'. The 'Interface Setup' section is divided into 'Internet', '3G', 'VPN', 'LAN', 'Wireless', and 'IPv6RD'. The configuration is organized into several sections:

- WAN Transfer Mode:** Transfer Modes: ATM
- ATM VC:** Virtual Circuit: PVC 1 (with a 'PVCs Summary' button); Status: Activated, Deactivated
- QoS:** VPI: 1 (range: 0~255); VCI: 91 (range: 32~65535); ATM QoS: ubr; PCR: 0 cells/second; SCR: 0 cells/second; MBS: 0 cells
- IPv4/IPv6:** IP Version: IPv4, IPv4/IPv6, IPv6
- Encapsulation:** ISP: Dynamic IP Address, Static IP Address, PPPoA/PPPoE, Bridge Mode
- 802.1q:** 802.1q: Activated, Deactivated; VLAN ID: 0 (range: 0~4095)
- Bridge Mode:** Encapsulation: 1483 Bridged Only LLC

At the bottom of the page, there are 'SAVE' and 'DELETE' buttons.

Go to **Interface setup > LAN**.

In DHCP menu unmark the checkbox **LAN4** (it will be used to connect an IPTV receiver).

UR-344AN4G+

Language

Interface **Quick Start** **Interface Setup** Advanced Setup Access Management Maintenance Status Help

Internet 3G VPN LAN Wireless IPv6RD

Router Local IP

IP Address :

IP Subnet Mask :

Alias IP Address : (0.0.0.0 means to close the alias ip)

Alias IP Subnet Mask :

IgmpSnoop : Activated Deactivated

MldSnoop : Activated Deactivated

Dynamic Route : Direction

DHCP

DHCP : Disabled Enabled Relay

Start IP :

IP Pool Count :

Lease Time : seconds (0 sets to default value of 259200)

Physical Ports :

LAN1	LAN2	LAN3	LAN4	WLAN1
------	------	------	------	-------

Go to **Advanced setup >PortBinding**.

Choose **Activated**. For group 0 chose **ATM VC port 0**, **Ethernet ports 2, 3, 4** and **WLAN port 1**. Please click **SAVE**.

UR-344AN4G
Language [English](#) [Russian](#)

Advanced Quick Start Interface Setup **Advanced Setup** Access Management Maintenance Status Help

Firewall Routing NAT ADSL QoS **PortBinding**

PortBinding Group Setting

Active: Activated Deactivated

Group Index: 0

ATM VCs: Port # 0 1 2 3 4 5 6 7

WAND VCs: Port # 0

Dongle: Port # 1

Ethernet: Port # 1 2 3 4

WLAN: Port # 1

Group Summary [PortBinding Summary](#)

[SAVE](#) [DELETE](#) [CANCEL](#)

Select Group index 1. For Group 1 select **ATM VC port 1** and **Ethernet port 1**. Then click **SAVE**.

The screenshot displays the web interface of an UPVEL ADSL Modem Router. The top navigation bar includes the UPVEL logo, the model number UR-344AN4G, and language options for English and Russian. The main menu is divided into sections: Advanced (selected), Quick Start, Interface Setup, Advanced Setup (selected), Access Management, Maintenance, Status, and Help. Under the Advanced Setup section, sub-menus include Firewall, Routing, NAT, ADSL (selected), QoS, and PortBinding. The PortBinding Group Setting page is active, showing the following configuration:

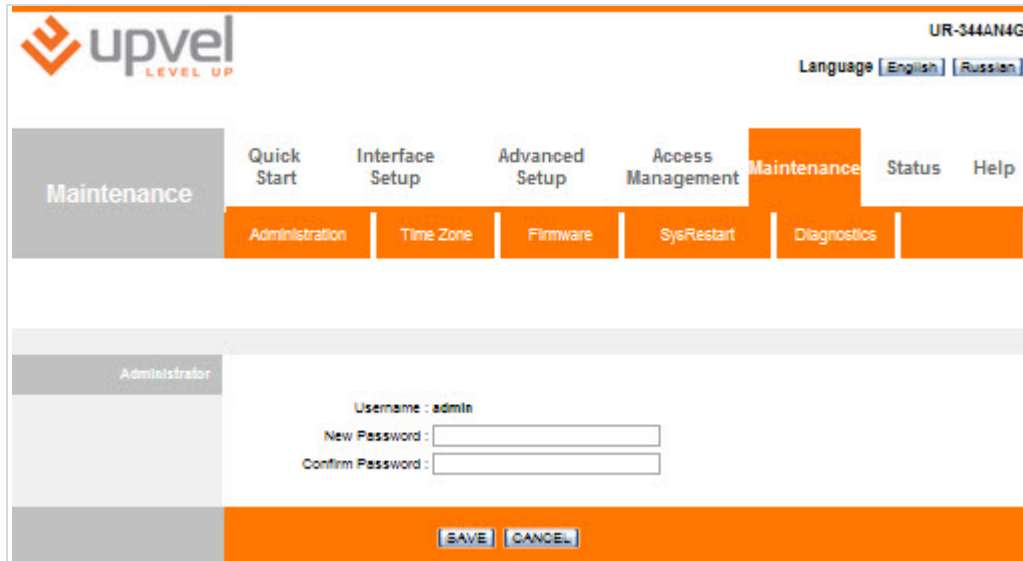
- Active: Activated Deactivated
- Group Index: 1
- ATM VCs: Port # 0, 1 (checked), 2, 3, 4, 5, 6, 7
- WAND VCs: Port # 0
- Dongle: Port # 1
- Ethernet: Port # 1 (checked), 2, 3, 4
- WLAN: Port # 1

At the bottom of the page, there are buttons for [SAVE], [DELETE], and [CANCEL].

IPTV setup is complete.

Maintenance > Administration

Here you are able to set a new password for **admin** account. Please enter the same password into both boxes and click **SAVE**.



The screenshot shows the upvel web interface. At the top left is the upvel logo. At the top right, the device model 'UR-344AN4G' and language options 'English' and 'Russian' are visible. A navigation menu includes 'Maintenance', 'Quick Start', 'Interface Setup', 'Advanced Setup', 'Access Management', 'Status', and 'Help'. The 'Maintenance' menu is expanded to show sub-options: 'Administration', 'Time Zone', 'Firmware', 'SysRestart', 'Diagnostics', and 'Diagnosis'. The 'Administration' sub-menu is selected, displaying a form for the 'Administrator' user. The form shows 'Username : admin', 'New Password :', and 'Confirm Password :', each with an input field. At the bottom of the form are 'SAVE' and 'CANCEL' buttons.

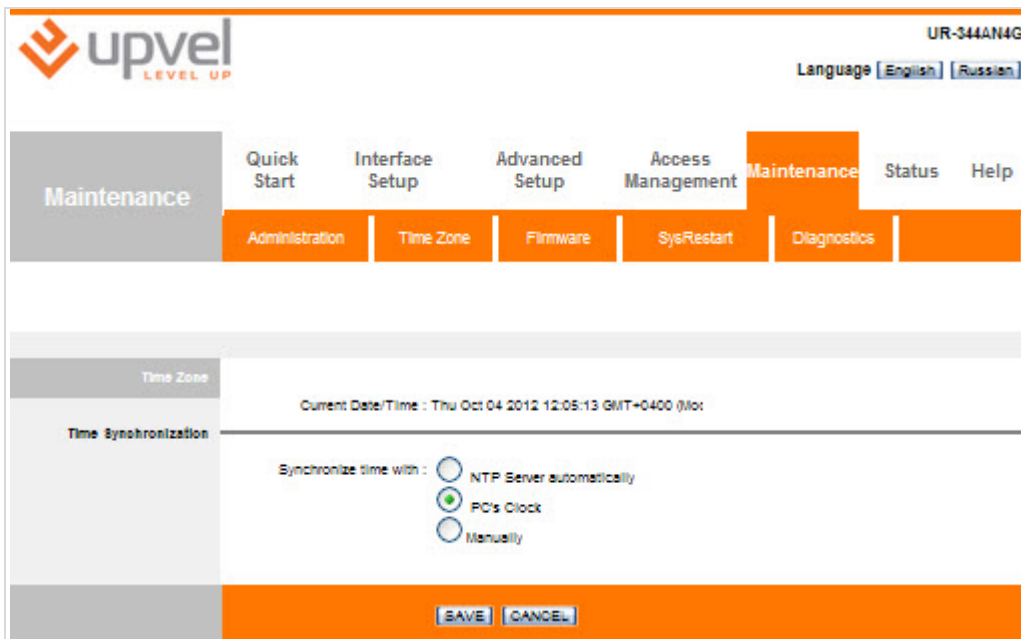
Maintenance > Time zone

Here you are able to set your router to synchronize time and date to NTP-server or to a computer used to enter the router's web-interface. You may as well set time and date manually. Clock synchronization is essential for precise system logging and for correct **Parental** function operating.

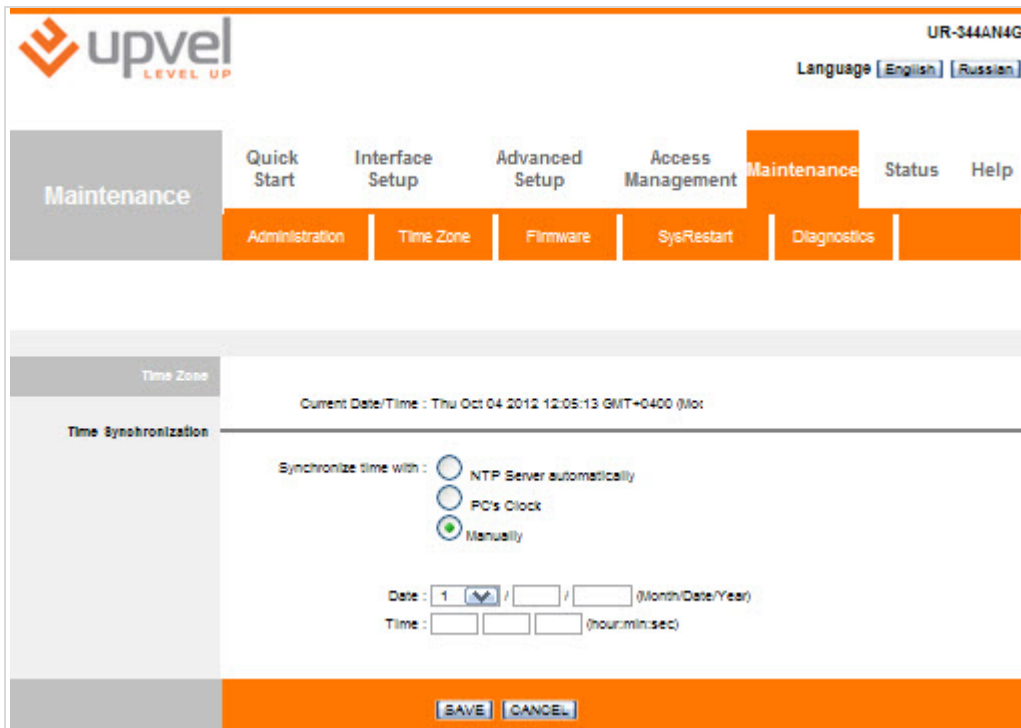
By default the router synchronizes time and date to the default NTP server. If you want to synchronize to some other NTP server please select your time zone, enter the address of the NTP server to relevant box and click **SAVE**.

The screenshot displays the web interface for the UPVEL ADSL Modem Router. The top navigation bar includes the UPVEL logo, the model number UR-344AN4G, and language options for English and Russian. The main menu has tabs for Maintenance, Quick Start, Interface Setup, Advanced Setup, Access Management, Status, and Help. The Maintenance tab is active, and the sub-menu includes Administration, Time Zone, Firmware, SysRestart, and Diagnostics. The Time Zone configuration page shows the current date and time as Thu Oct 4 12:04:04 2012. Under the Time Synchronization section, there are three radio buttons: NTP Server automatically (selected), PC's Clock, and Manually. Below this, the Time Zone is set to (GMT+04:30) Kabul. The Daylight Saving option is set to Disabled. The NTP Server Address is set to 0.0.0.0, with a note that 0.0.0.0 is the default value. At the bottom of the page, there are buttons for SAVE and CANCEL.

To synchronize to a computer used to enter the router web-interface please select the relevant option and click **SAVE**.



To set time and date manually please select the relevant option, specify time and date and then click **SAVE**.



Maintenance > Firmware

Here you are able to update your router's firmware, save current settings to a file as well as load them.

Firmware update

Download the latest firmware from www.upvel.com and select *tclinux.bin* option. Then click **Browse**, specify a path to the firmware you have downloaded and click **Open**. After that click **UPGRADE** at the bottom.

CAUTION! Firmware upgrade should be completed by connecting your router with Ethernet cable to PC. It is not advised to flash firmware over wireless connection! The firmware upgrade may take some time. Do not switch off power or remove cables while the file is loaded and firmware is updated! This may result in serious damage to the router and even non repairable hardware failure! After the upgrade router will reboot automatically and require log-in authorization again.

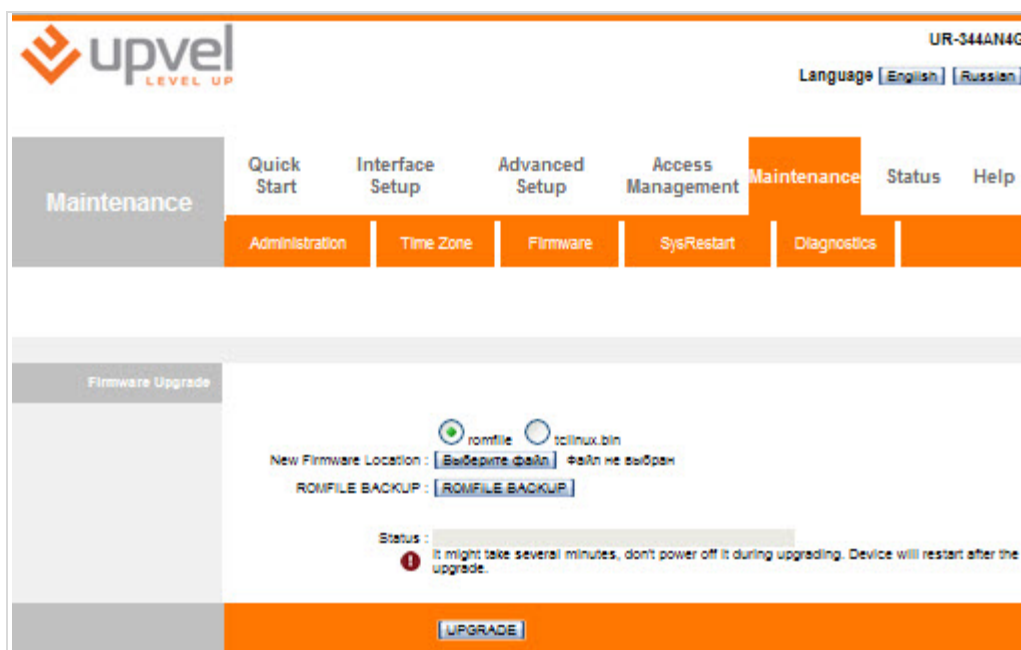
Save settings

Click **ROMFILE BACKUP** In the following window select a folder to save *romfile.cfg* file and click **Save**.

Load settings

Click **Browse** and specify a path to a *romfile* file. Then click **Open** and click **UPGRADE** at the bottom.

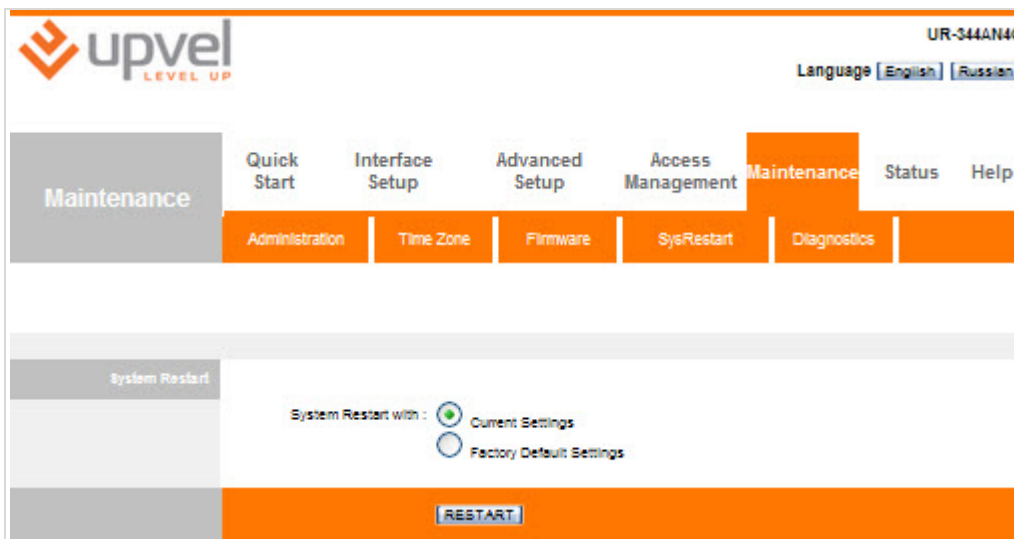
CAUTION! ROMFILE update should be completed by connecting your router with Ethernet cable to PC. It is not advised to load ROMFILE over wireless connection! The settings upgrade may take some time. Do not switch off power or remove cables while the file is loaded and firmware is updated! This may result in serious damage to the router and even non repairable hardware failure! After the upgrade router will reboot automatically and require log-in authorization again.



Maintenance > SysRestart

There are two restart options: with current settings saving and with restoring factory default settings. Select what you want and click **RESTART**.

CAUTION! The reboot of the router may take some time. Do not switch off power or remove cables while the file is loaded and firmware is updated! This may result in serious damage to the router and even non repairable hardware failure! After the upgrade router will reboot automatically and require the authorization again. If you choose factory default settings, please use the default log-in settings from the Quick Installation Guide or run the Set-up wizard.



Status > System Log

Here you are able to setup the registration of system events.

System logging is activated by default.

Select the events from the first dropdown menu to be logged.

Select the events from the second dropdown menu to be seen currently (system log configuration).

If you want the log file to be stored on the remote server please enable the **Remote Log** option and then specify the IP address and UDP port of the server.

To save changes please click **APPLY**.

To turn off the logging function please select **Disable** option and click **APPLY**.

To overview the log entries please click **Viewlog**.

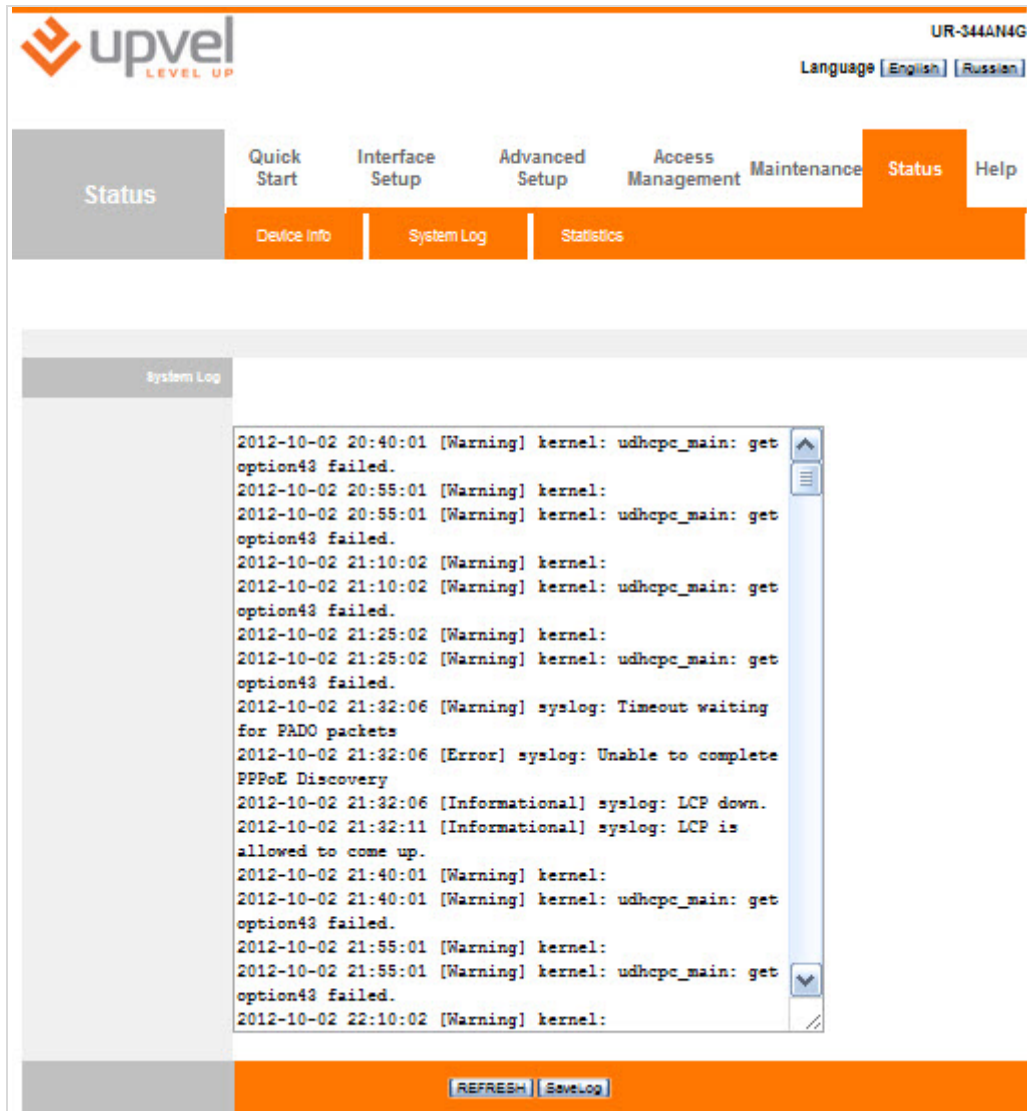
The screenshot displays the web interface for the UPVEL ADSL Modem Router. At the top left is the UPVEL logo with the tagline 'LEVEL UP'. The top right shows the model number 'UR-344AN4G' and language options for 'English' and 'Russian'. A navigation menu includes 'Status', 'Quick Start', 'Interface Setup', 'Advanced Setup', 'Access Management', 'Maintenance', and 'Help'. The 'Status' menu is expanded to show 'Device Info', 'System Log', and 'Statistics'. The 'System Log Configuration' page is active, featuring a grey sidebar and a main content area. The main area contains the following configuration options:

- Log: Enable Disable
- Log Level: Emergency (dropdown)
- Display Level: Emergency (dropdown)
- Remote Log: Enable Disable
- Server IP Address: 0.0.0.0 (text input)
- Server UDP Port: 514 (text input)

At the bottom of the configuration area are two buttons: 'APPLY' and 'Viewlog'.

Entries of the log are represented according to a configuration option chosen.

To save all the entries to a file please click **Save log**, choose the destination in the opening window and click **Save**.



The screenshot shows the upvel web interface for device UR-344AN4G. The 'Status' menu is active, and the 'System Log' sub-menu is selected. The log entries are as follows:

```
2012-10-02 20:40:01 [Warning] kernel: udhcpd_main: get option43 failed.
2012-10-02 20:55:01 [Warning] kernel:
2012-10-02 20:55:01 [Warning] kernel: udhcpd_main: get option43 failed.
2012-10-02 21:10:02 [Warning] kernel:
2012-10-02 21:10:02 [Warning] kernel: udhcpd_main: get option43 failed.
2012-10-02 21:25:02 [Warning] kernel:
2012-10-02 21:25:02 [Warning] kernel: udhcpd_main: get option43 failed.
2012-10-02 21:32:06 [Warning] syslog: Timeout waiting for PADO packets
2012-10-02 21:32:06 [Error] syslog: Unable to complete PPPoE Discovery
2012-10-02 21:32:06 [Informational] syslog: LCP down.
2012-10-02 21:32:11 [Informational] syslog: LCP is allowed to come up.
2012-10-02 21:40:01 [Warning] kernel:
2012-10-02 21:40:01 [Warning] kernel: udhcpd_main: get option43 failed.
2012-10-02 21:55:01 [Warning] kernel:
2012-10-02 21:55:01 [Warning] kernel: udhcpd_main: get option43 failed.
2012-10-02 22:10:02 [Warning] kernel:
```

At the bottom of the log area, there are two buttons: 'REFRESH' and 'Save log'.

Status > Statistics

Here you can overview statistics on incoming and outgoing traffic for each of router's interfaces.

Traffic Statistics

Interface : Ethernet ADSL WLAN

Transmit Statistics		Receive Statistics	
Transmit Frames	462811	Receive Frames	869193
Transmit Multicast Frames	256867	Receive Multicast Frame	474118
Transmit total Bytes	156262004	Receive total Bytes	164168096
Transmit Collision	0	Receive CRC Errors	0
Transmit Error Frames	0	Receive Under-size Frames	0

[REFRESH](#)

Traffic Statistics

Interface : Ethernet ADSL WLAN

Transmit Statistics		Receive Statistics	
Transmit Total PDUs	105	Receive Total PDUs	0
Transmit Total Error Counts	29919	Receive Total Error Counts	0

[REFRESH](#)

Traffic Statistics

Interface : Ethernet ADSL WLAN

Transmit Statistics		Receive Statistics	
Tx Packets Count	0	Rx Packets Count	0
Tx Bytes Count	0	Rx Bytes Count	0
Tx Errors Count	0	Rx Errors Count	380458
Tx Drops Count	0	Rx Drops Count	380458

[REFRESH](#)

Appendix 1

Possible troubles while connecting and configuring the router.

1. If you insert your CD into your computer drive and wait for a while, but nothing seem to happen, it most likely indicates that the CD Autorun function of your operating system is turned off. In that case please launch the Configuration Wizard manually. Launch **Explorer**, open your CD drive and then double-click **Autorun.exe**.
2. If the Configuration Wizard seem to launch successfully (on Windows 7) but nothing happens when you click the buttons, please close the application, right-click the **Autorun.exe** icon and left-click to **Run as Administrator**.
3. If you have no configuration CD please connect to the Internet without the router. Open your Web-browser, go to <http://www.upvel.com/support/upvel-master.html> and download the Configuration Wizard. Then [connect the router](#) according to this User Manual and launch the Configuration Wizard from your computer.
You can also configure your router through the Web-interface (at 192.168.10.1). The detailed instructions on using the Web interface are enclosed to this User Manual.
4. If you use a operation system different than Windows or MacOS, please configure your router through the Web-interface (at 192.168.10.1).
5. If the router is not detected:
 - a. Please check the [configuration of network interfaces](#) in your computer according to this User Manual.
 - b. If there are more than one active network connection on your computer, please disable all of them except the one you use to configure the router.
 - c. Reset your router to factory default settings by pushing the RST/WPS button on the back of the router for 20 seconds.

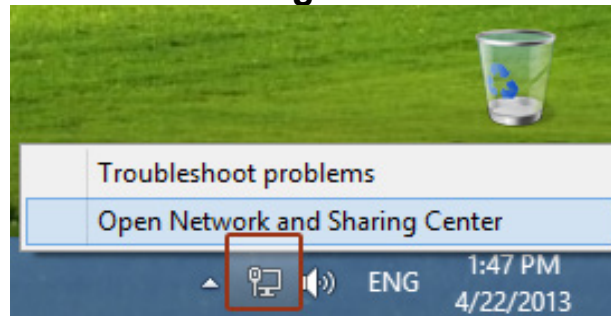
Appendix 2

Setting up your network adapter

Before the router setup starts, please make sure your network adapter is set to automatic IP and DNS obtain. Follow the instruction below.

For Windows Vista, 7 and 8

1. Please rightclick to the network connections icon in the bottom-right corner. Then rightclick to **Open Network and Sharing Center**.

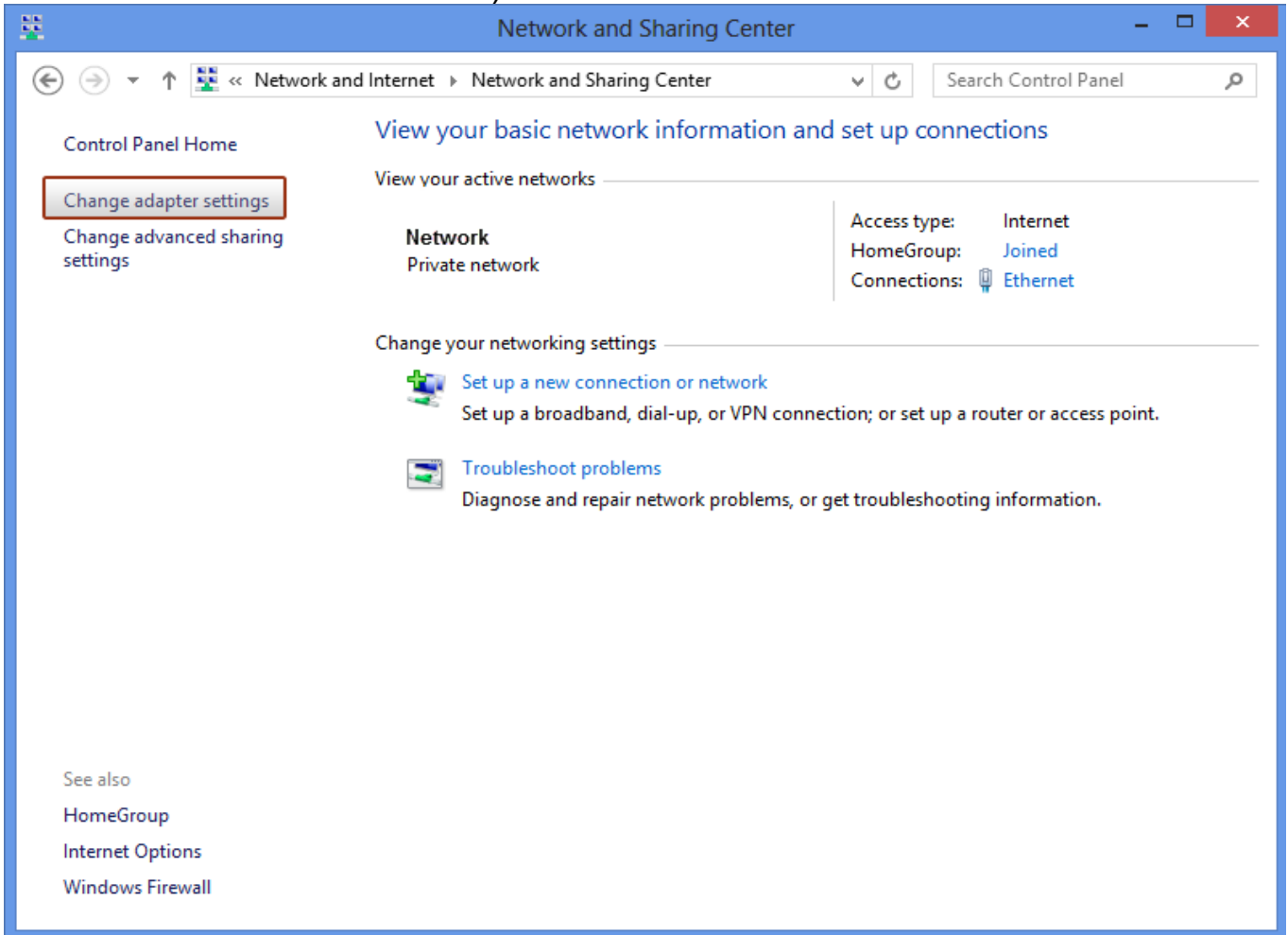


Or (in Windows Vista and Windows 7):

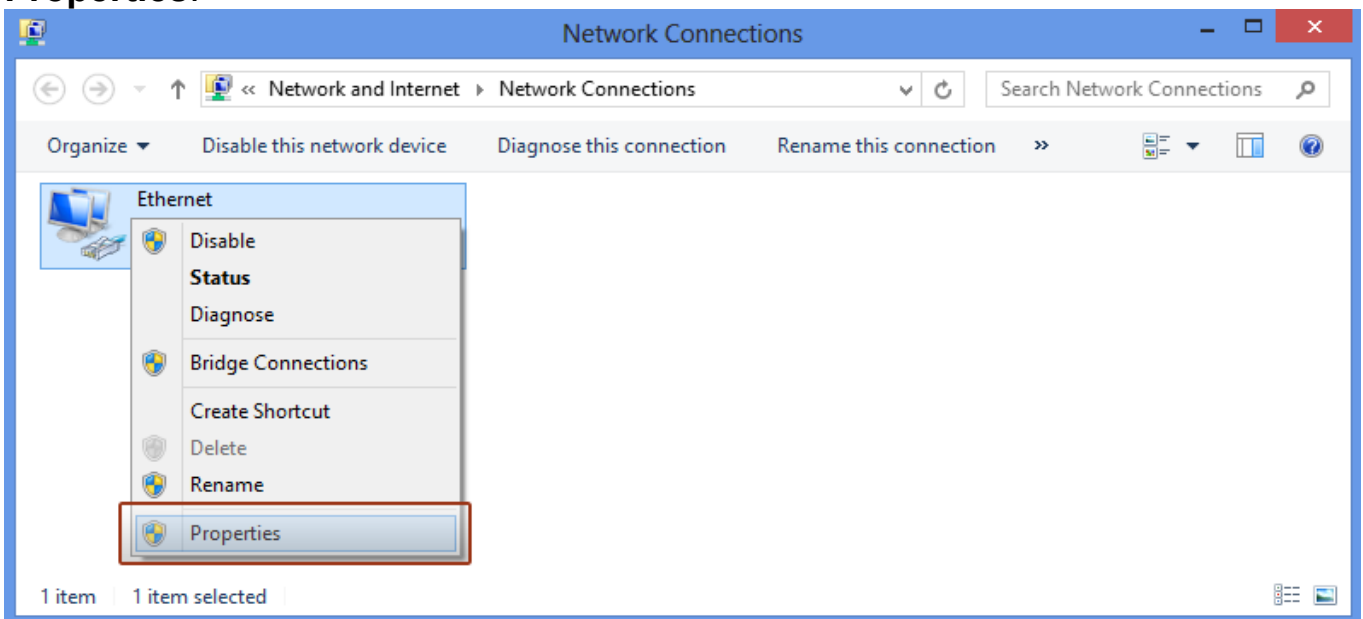
1a. Click the Start button, then follow to **Control Panel**. In the following window click **View network status and tasks**.



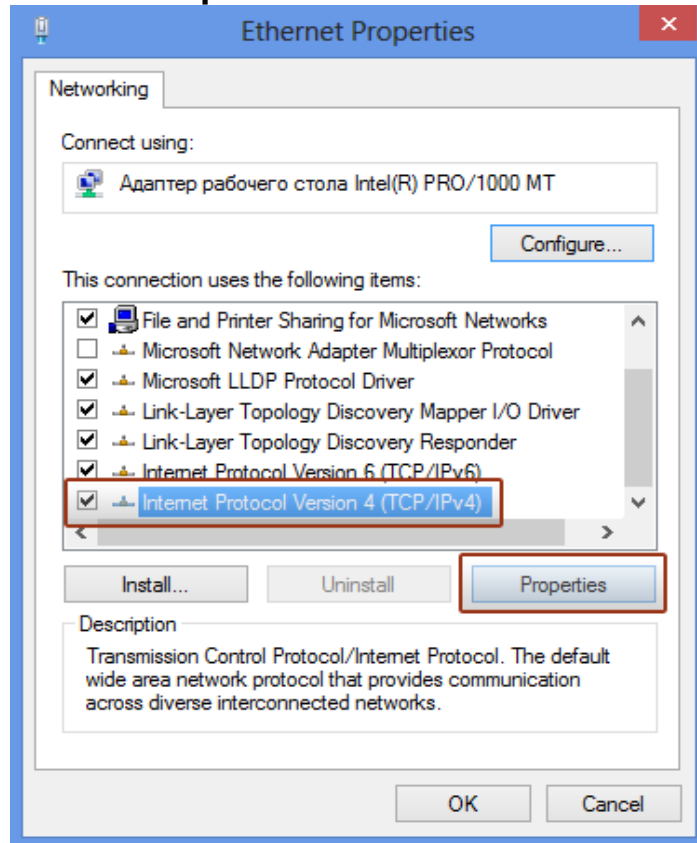
2. In the next window click **Change Adapter Settings** (or **Manage network connections** in Windows Vista).



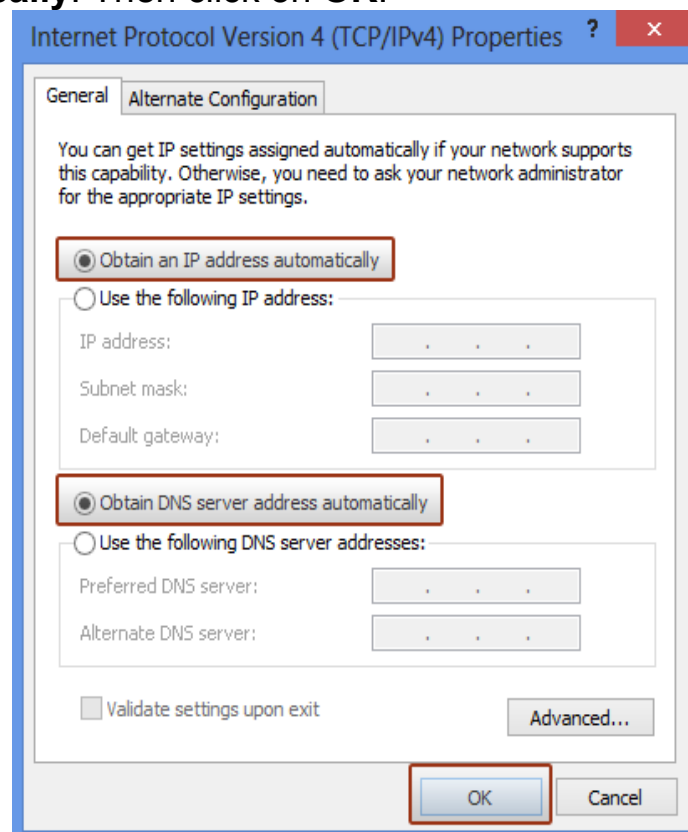
3. Then please right-click the Local Area Connection icon and then click **Properties**.



4. In Local Area Connection – **Properties** window click **Internet Protocol Version 4(TCP/IPv4)** and then click **Properties**.

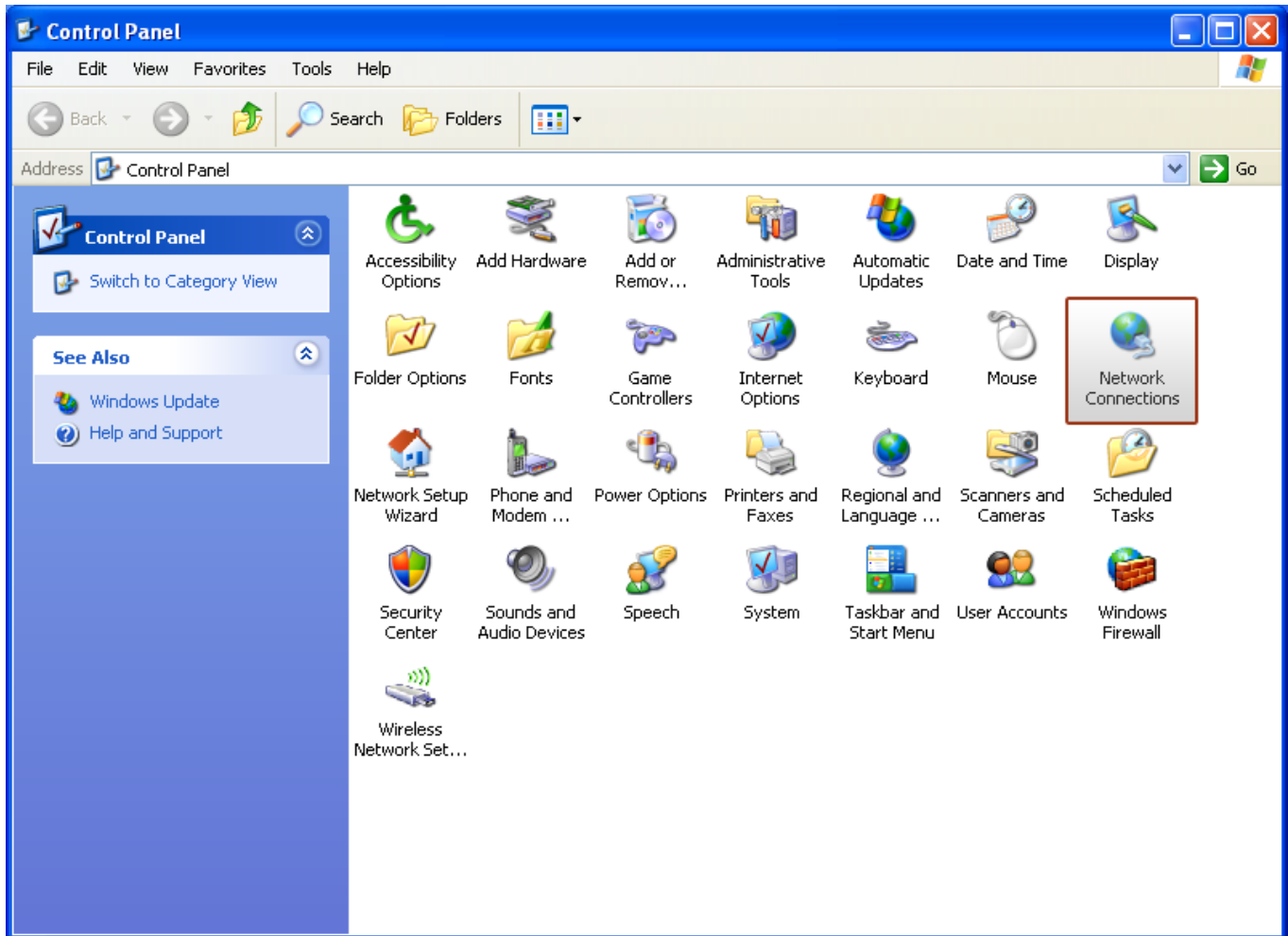


4. Click on **Obtain an IP address automatically** and **Obtain DNS server address automatically**. Then click on **OK**.

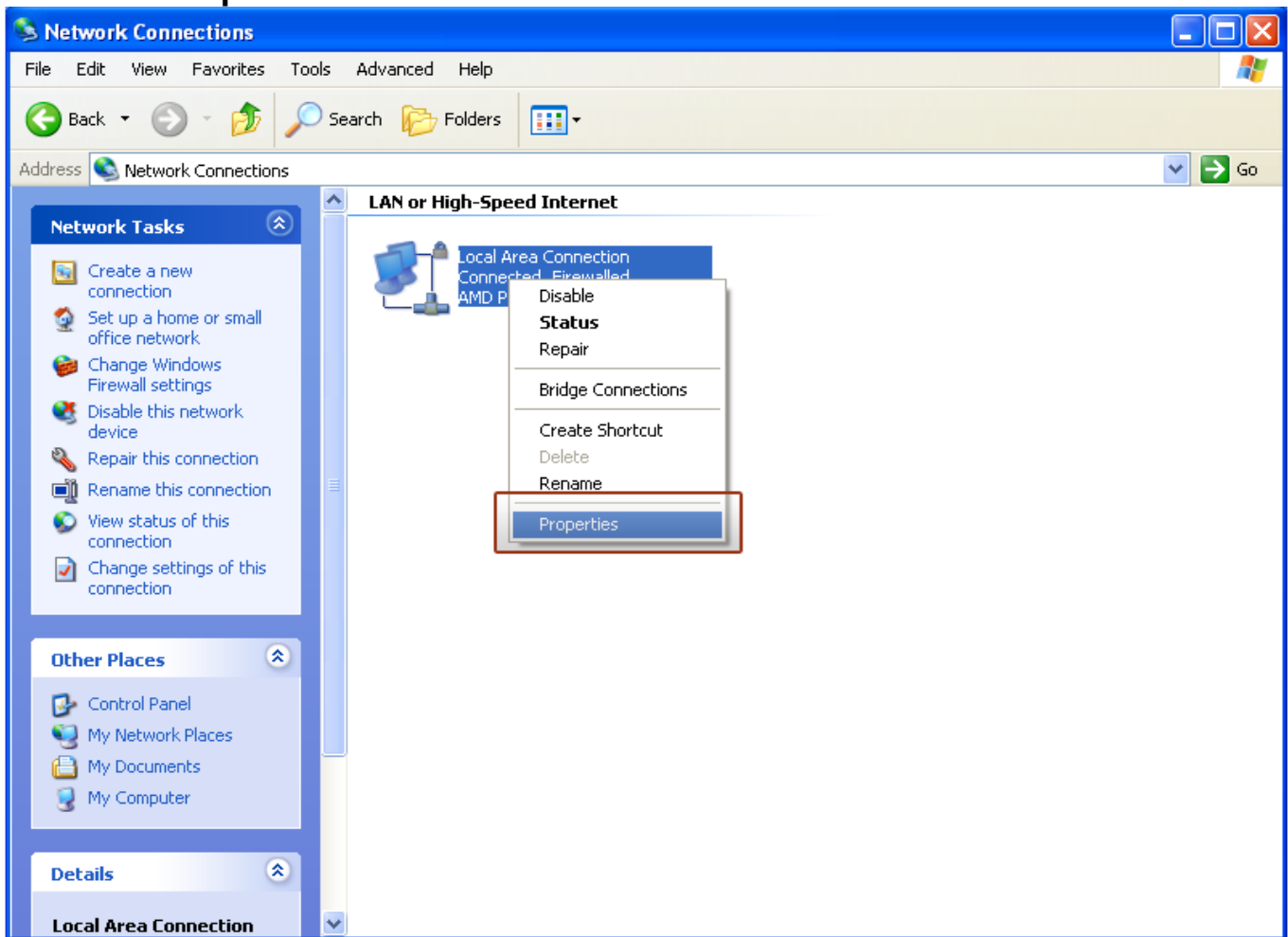


For Windows XP

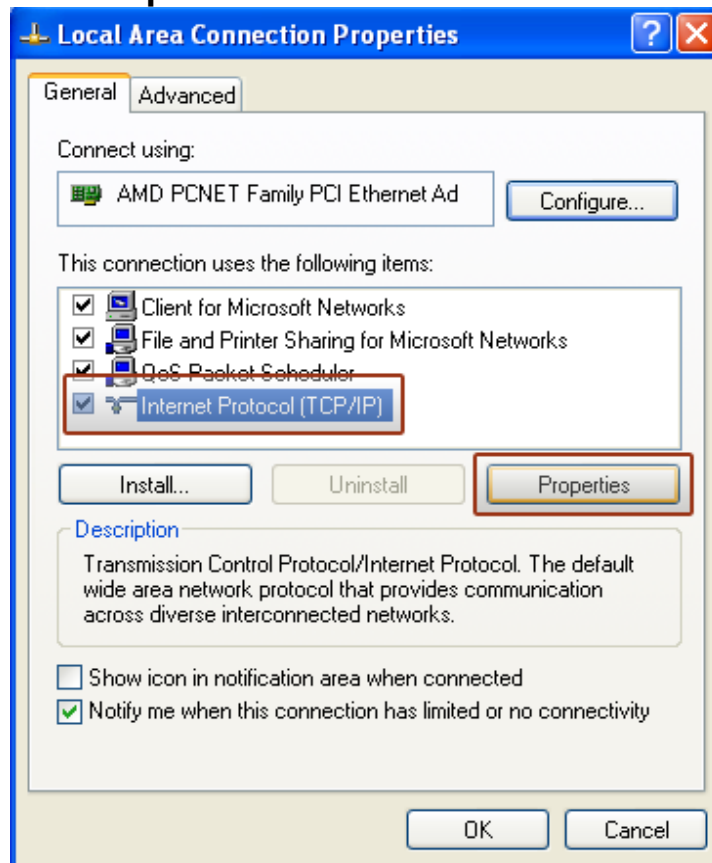
1. Click the Start button, then follow to **Control Panel**. Double-click the **Network Connections** icon.



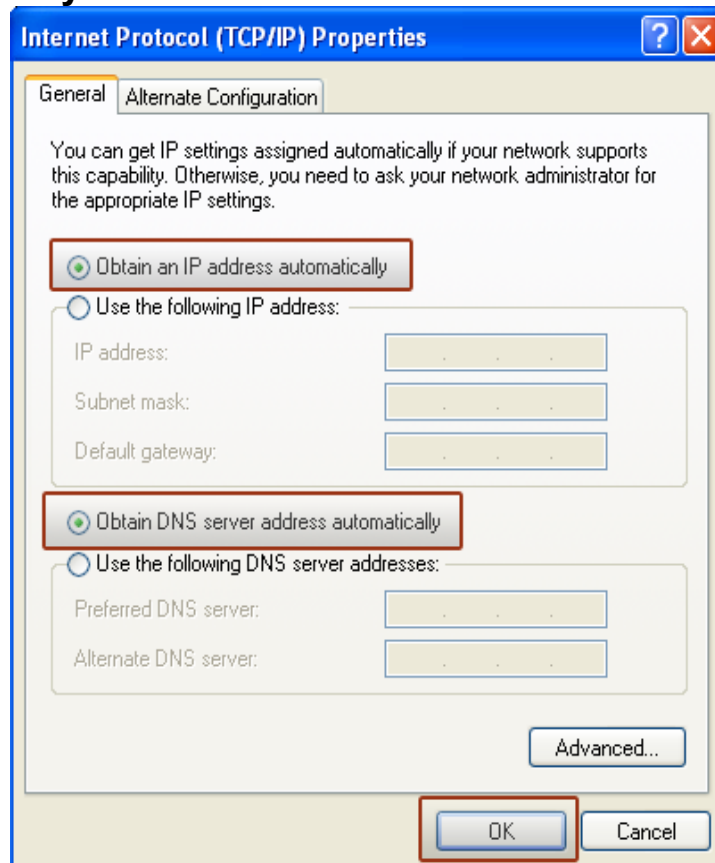
2. In the following window please right-click the Local Area Connection icon and then click **Properties**.



3. In **Local Area Connection Properties** window click **Internet Protocol (TCP/IP)** and then click **Properties**.



4. Click on **Obtain an IP address automatically** and **Obtain DNS server address automatically**. Then click on **OK**.

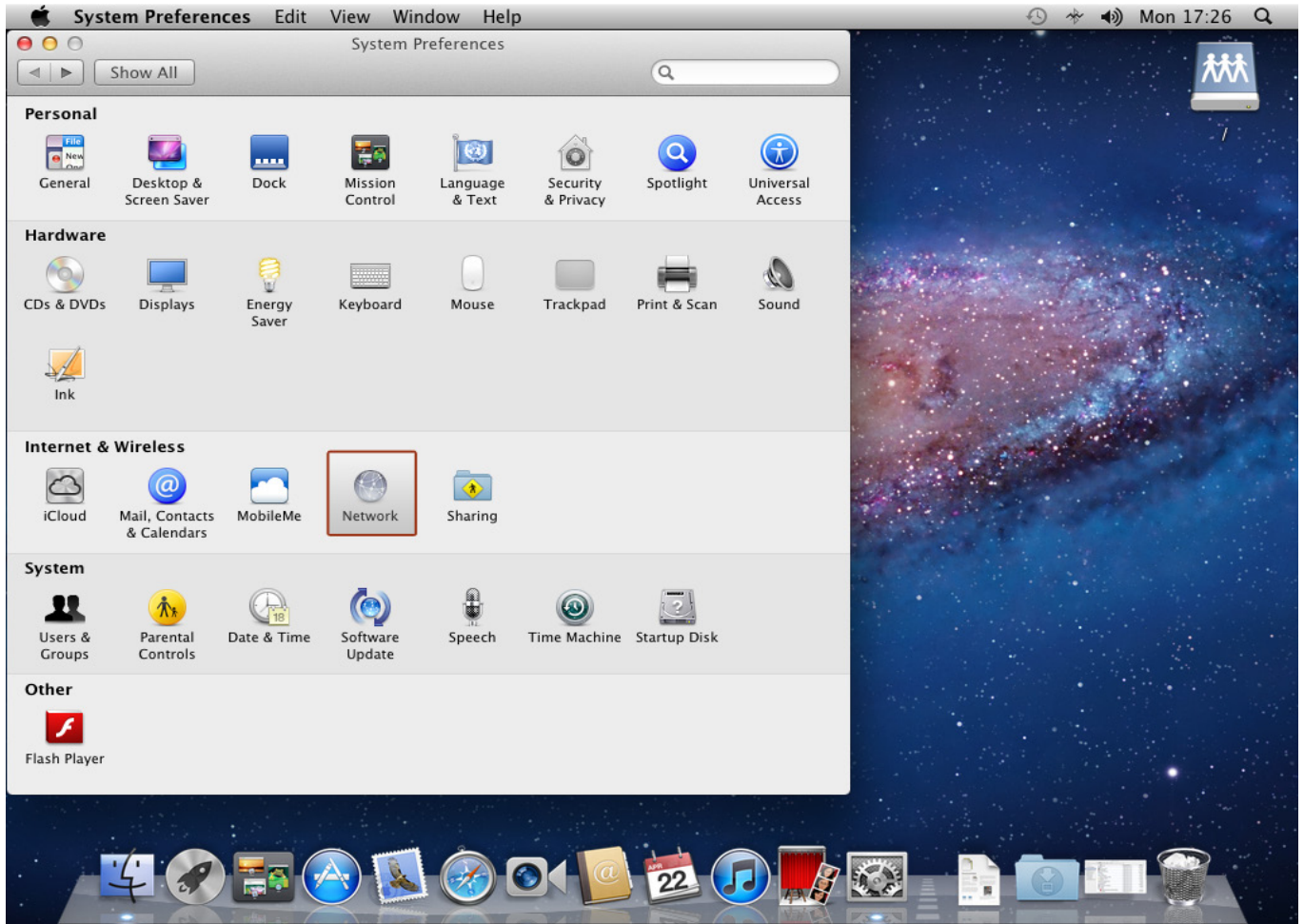


For Mac OS X

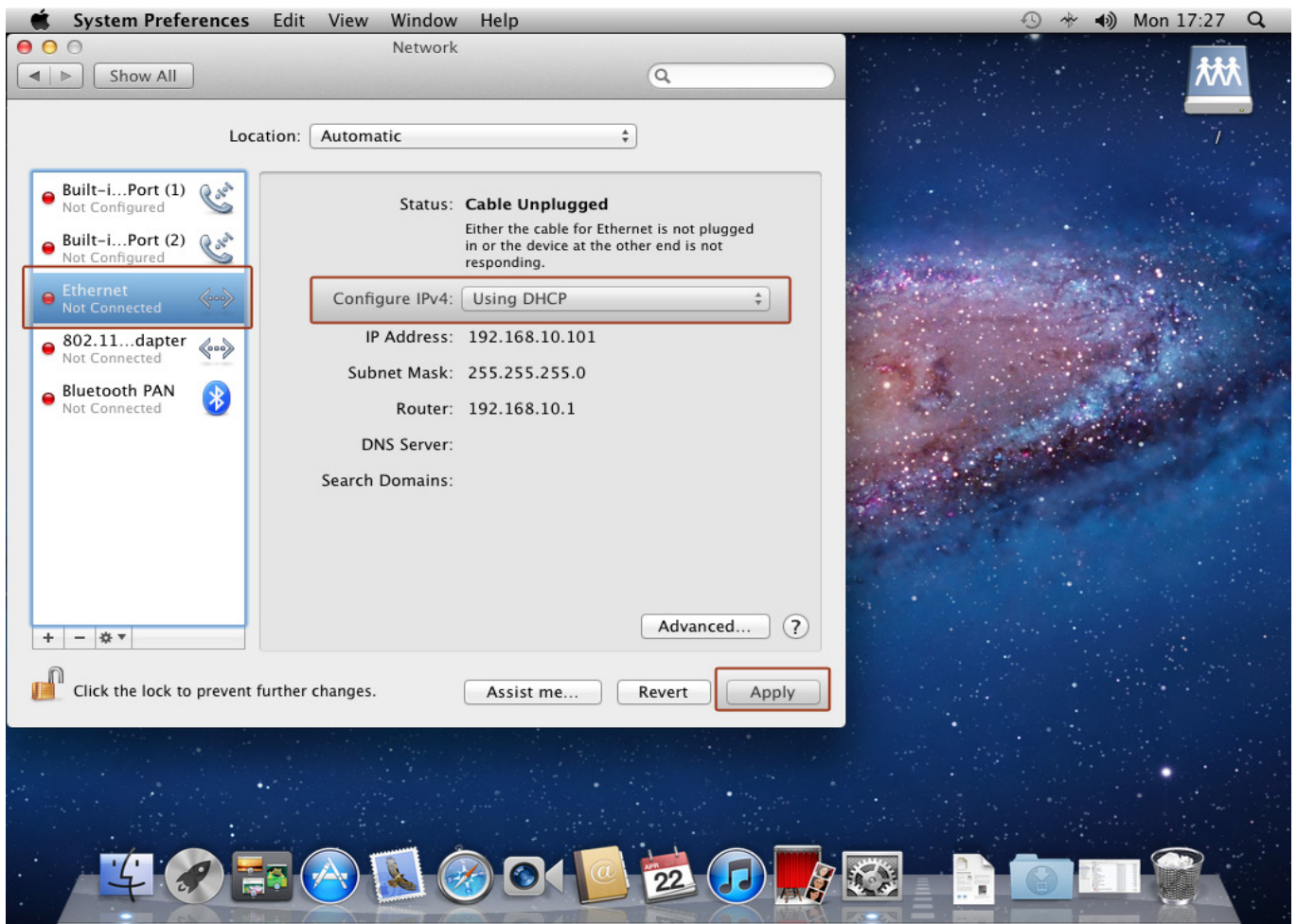
1. Please click on **System Preferences**



2. Then click on **Network**.



3. Choose the **Ethernet** interface, in **Configure IPv4** menu select **Using DHCP** and then click **Apply**.



Appendix 3

Specification

Standards	<p style="text-align: center;">Ethernet</p> <ul style="list-style-type: none"> • IEEE 802.3i 10Base-T • IEEE 8023u 100Base-TX <p style="text-align: center;">Wi-Fi (all except UR-104AN)</p> <ul style="list-style-type: none"> • IEEE 802.11n • IEEE 802.11g • IEEE 802.11b <p style="text-align: center;">ADSL</p> <ul style="list-style-type: none"> • ITU-T G.992.1 (G.dmt), G.992.2 (G.lite), G.992.3 (ADSL2), G.992.4 (splitterless ADSL2), G.92.5 (ADSL2+) Annex A • G.lite (G.992.2), 1,5 Mbps download, 512 Kbit/s upload • Multi-Mode (automatic standard selection): ANSI T1.413, Issue 2; G.dmt (G.992.1); G.994.1 и G.996.1 (for ISDN only); G.991.1; G.lite (G992.2) • OAM cell support: F4/F5, AIS OAM и RDI OAM • ATM Forum UNI 3.1/4.0 PVC • Multiple Protocols over AAL5 (RFC 1483) • PPP over AAL5 (RFC 2364) • PPP over Ethernet (RFC 2516)
Protocols	NAT/NAPT, PPPoE, PPPoA, PPTP, L2TP, HTTP, DHCP (client/server), TCP/IP, UDP, PAP, CHAP, RIP1, RIP2, DDNS, UPnP, SNMP, CWMP
Firewall	NAT, SPI, DoS attacks prevention, system logging, sending notifications via e-mail
Access control	ACL, IP / MAC / URL filtering, application filter, parental control
Transit VPN session	PPTP, IPSec, L2TP (up to 100 sessions)
ATM	<p>8 PVC support VPI range: 0-255 VCI range: 32-65535 UBR/CBR/VBR support Incapsulation:</p> <ul style="list-style-type: none"> • RFC2684 (RFC 1483 / 2684), Multi-protocol over ATM • RFC2684 (RFC 1483 / 2684), Bridge • RFC2225 (RFC 1577), IPoA • RFC2364, PPPoA (CHAP, PAP) • RFC2516, PPPoE <p>Autodetecting VPI/VCI and multiplexing procedure (VC-based, LLC-based) Data throughput rate:</p> <ul style="list-style-type: none"> • download up to 24 Mbps • upload up to 1 Mbps (up to 3,5 Mbps if ISP supports Annex M)
Management	<ul style="list-style-type: none"> • Web configuration page (HTTP) • TR-069 • SNMP • Telnet

WAN port	RJ-11 (DSL)
LAN ports	4 RJ-45 10/100 Mbps Auto-MDIX ports
USB port (UR-344AN4G, UR-344AN4G+ & UR-345AN4G)	<ul style="list-style-type: none"> • 3G/4G modem or storage device support • FTP and SAMBA support
Buttons	<ul style="list-style-type: none"> • <i>Reset</i>: factory settings restoring • <i>WPS</i>: connecting to your wireless network with Wireless Protected Setup function (<i>all except UR-104AN</i>), factory settings restoring when is being pushed for 20 seconds. • <i>Wi-Fi</i>: onboard wireless unit enabling/disabling (<i>all except UR-104AN</i>) • <i>Switch</i>: power switch
Status LEDs	<ul style="list-style-type: none"> • <i>Power, DSL, Internet, LAN1~LAN4</i> • <i>WLAN, WPS (all except UR-104AN)</i> • <i>USB (UR-344AN4G, UR-344AN4G+ & UR-345AN4G)</i>
Dimensions (exclusive antennas)	110 x 158 x 35 mm (43,3 x 62,2 x 13,77 inches)
Temperature limits	<ul style="list-style-type: none"> • Operational: 0 ~ 40 °C (32 ~ 104 °F) • Storage: -20 ~ 70 °C (-4 ~ 158 °F)
Humidity limits	<ul style="list-style-type: none"> • Operational: from -10 to 90% (without condensation) • Storage: from 5 to 95% (without condensation)
Certificates	FCC, CE

Wireless connection (all except UR-104AN)	
Standards	<ul style="list-style-type: none"> • IEEE 802.11n • IEEE 802.11g • IEEE 802.11b
Modulation	<ul style="list-style-type: none"> • 802.11b: DSSS (PBCC, CCK, DQPSK, DBPSK) • 802.11g: OFDM • 802.11n: OFDM 64-QAM
Data throughput rate	<ul style="list-style-type: none"> • 802.11b: 11 Mbps, 5.5 Mbps, 2 Mbps, 1 Mbps • 802.11g: 54 Mbps, 48 Mbps, 36 Mbps, 24 Mbps, 18 Mbps, 12 Mbps, 9 Mbps, 6 Mbps • 802.11n: 150 Mbps (UR-314AN v2, UR-344AN4 & UR-344AN4G+) • 802.11n: 300 Mbps (UR-345AN4G only)
Frequency band	2,4-2,497 GHz
Channels	1-13
SSID	Up to four wireless networks. WLAN partition and hidden SSID support.
Antenna(s)	<ul style="list-style-type: none"> • 1 undetachable antenna with 2 dBi gain (UR-314AN v2 & UR-344AN4) • 1 undetachable antenna with 5 dBi gain (UR-344AN4G+ only) • 2 undetachable antennas with 2 dBi gain (UR-345AN4G only)
Encryption	<ul style="list-style-type: none"> • 64/128-bit WEP (Hex or ASCII). • WPA-PSK (TKIP/AES) • WPA2-PSK (TKIP/AES)
Transmitter power	<ul style="list-style-type: none"> • 802.11b: 18 dBm • 802.11g: 12-14 dBm • 802.11n: 12-14 dBm
Receiver susceptibility	<ul style="list-style-type: none"> • -82 dBm on 11 Mbps • -72 dBm on 54 Mbps • -80 dBm on 150 Mbps (UR-314AN v2, UR-344AN4 & UR-344AN4G+) • -80 dBm on 300 Mbps (UR-345AN4G only)

External power adapter		
Your router model:	V (volt)	A (ampere)
UR-104ANN	5,2	1
UR-314AN v.2	12	0,5
UR-344AN4G, UR-344AN4G+, UR-354AN4G	12	1

FCC/CE Disclaimer

FCC STATEMENT

FC

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.

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.
- 2) This device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: The manufacturer is not responsible for any radio or tv interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

FCC RF Radiation Exposure Statement

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

"To comply with FCC RF exposure compliance requirements, this grant is applicable to only Mobile Configurations. The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

CE Mark Warning

CE1588

This is a class B product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

National restrictions

This device is intended for home and office use in all EU countries (and other countries following the EU directive 1999/5/EC) without any limitation except for the countries mentioned below:

Country	Restriction	Reason/remark
Bulgaria	None	General authorization required for outdoor use and public service
France	Outdoor use limited to 10 mW e.i.r.p. within the band 2454-2483.5 MHz	Military Radiolocation use. Reframing of the 2.4 GHz band has been ongoing in recent years to allow current relaxed regulation. Full implementation planned for 2012
Italy	None	If used outside of own premises, general authorization is required
Luxembourg	None	General authorization required for network and Supply
Norway	Implemented	This subsection does not apply for the geographical Area within a radius of 20 km from the centre of Ny-Ålesund
Russian Federation	None	Only for indoor applications

DECLARATION OF CONFORMITY

For the following equipment:

Product Description: **Wireless N ADSL2/2+ Modem Router**
Model No.: **UR-344AN4G+**
Trademark: **UPVEL**

We declare under our own responsibility that the above product satisfies all technical regulations applicable within the scope of Council Directives:

Directive 1999/5/EC and Directive 2009/125/EC

The above product is in conformity with the following standards or other normative documents:

EN 300 328 V1.7.1: 2006
EN 301 489-1 V1.8.1:2008
EN 301 489-17 V2.1.1:2009
EN 50385:2000
EN 60950-1:2006+A11:2009+A1:2010+A12:2011

Person responsible for marking this declaration:



</Alex Petryankin/>

Head PM, UPVEL

UPVEL, LLC

13139 Ramona Blvd., IRWINALE, CA 91706, USA

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PRODUCT WARRANTY REGISTRATION

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Go to www.upvel.com/registration

UPVEL

Irwindale, CA USA

www.upvel.com

Toll Free Support Hotline

USA/Canada: 1 (800) 457-3811

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