

Zadatak:

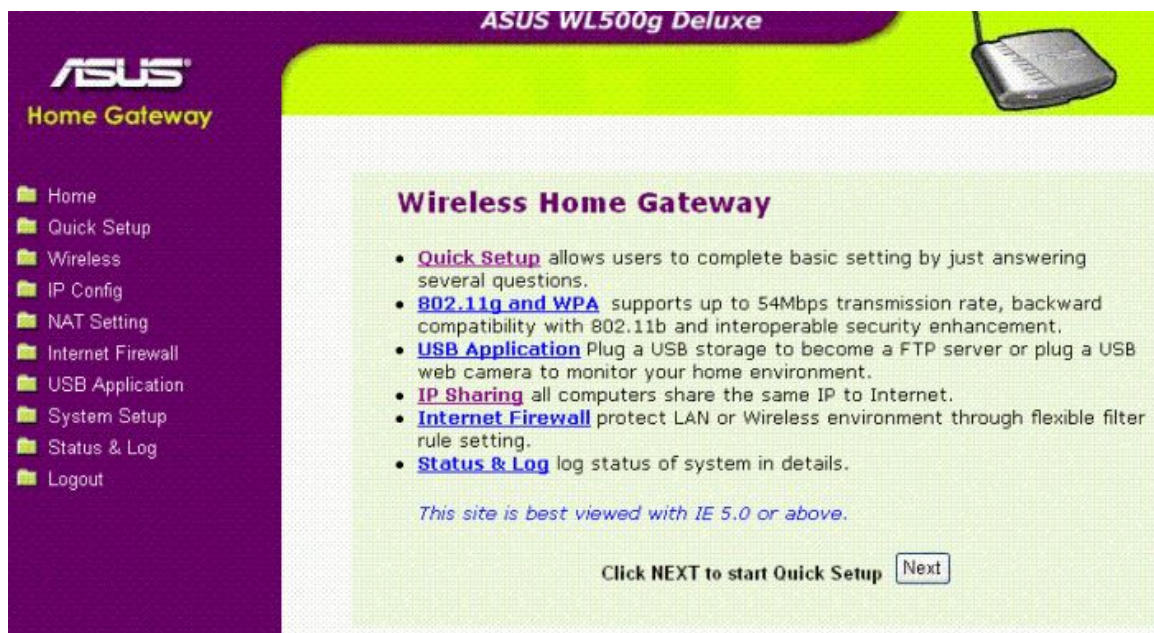
Omogućiti spajanje na Internet preko routera (preko kabla i wirelessa). Uključiti odgovarajuću zaštitu. Osposobiti USB port da radi kao FTP server. Osposobiti Web kameru tako da joj je moguće pristupiti sa računala izvan lokalne mreže.

Spajanje

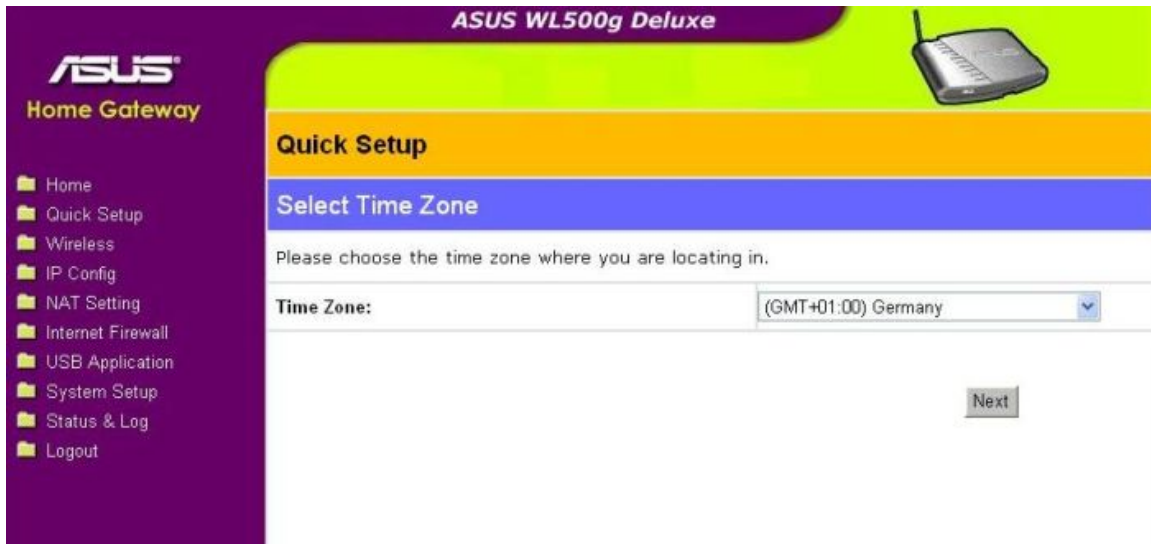
Na router se spajamo tako da na web pregledniku na adresnu traku upišemo adresu routera koja je po defaultu, u našem slučaju to je <http://192.168.1.1> i zatim se ulogiramo sa user name: admin i lozinkom: admin što smo kasnije promijenili.

Quick Setup

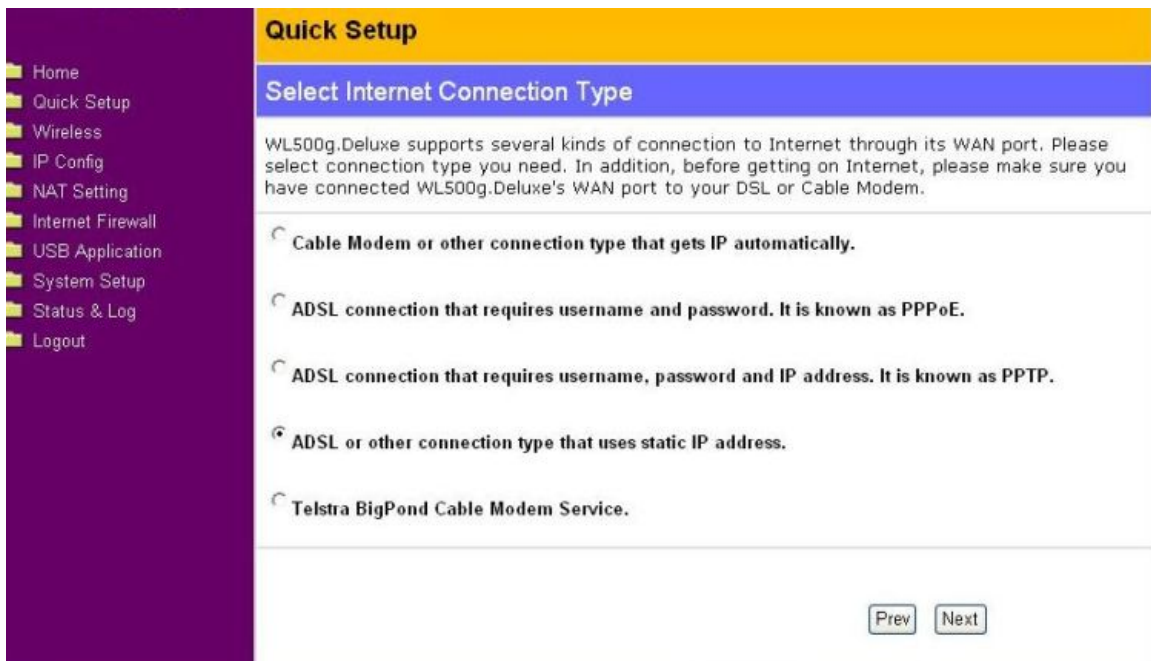
Prvo smo podesili quick setup a nakon toga smo podesili ostale detalje. Na prozoru kao što je dolje za brzo podešavanje jednostavno kliknemo quick setup i zatim pritisnemo next.



Izabiremo vremensku zonu ili najbližu regiju na patajućem izborniku. Nakon izabira kliknemo next.



Izabiremo vrstu veze. U našem slučaju to je ADSL or other connection type that that uses static IP address.



Na prozoru kao što je na slici dolje, Upisujemo IP adresu, Subnet Mask i Default Gateway i DNS.

Računala na Internetu komuniciraju **IP** (eng. **I**nternet **P**rotocol) protokolom, pa tu adresu nazivamo **IP adresa**. Ta adresa je brojčana, a sastoji se od četiri broja (u rasponu od 0 do 255) odvojena točkama (npr. 213.191.128.51).

IP adresa jednoznačno predstavlja računalo i neophodna je za prijenos podataka između računala.

Home Gateway

- Home
- Quick Setup
- Wireless
- IP Config
- NAT Setting
- Internet Firewall
- USB Application
- System Setup
- Status & Log
- Logout

Quick Setup

WAN IP Setting

Fill TCP/IP setting for WL500g.Deluxe to connect to Internet through WAN port.

Get IP automatically?	<input type="radio"/> Yes <input checked="" type="radio"/> No
IP Address:	161.53.132.103
Subnet Mask:	255.255.0.0
Default Gateway:	161.53.7.1
Get DNS Server automatically?	<input type="radio"/> Yes <input checked="" type="radio"/> No
DNS Server 1:	161.53.7.130
DNS Server 2:	

SSID je identifikacijski string koji se sastoji od 32 ASCII znaka. U našem slučaju SSID je cms.phy.hr

WEP key nisu upisani kao na slici, nismo ih stavili zbog sigurnosnih razloga.

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Configure Wireless Interface

First step to set your wireless interface is to give it a name, called SSID. In addition, if you would like to protect transmitted data, please select the Security Level and assign a password for authentication and data transmission if it is required.

SSID:	cms.phy.hr
Security Level:	Medium(WEP-64bits) ▼
Passphrase:	
WEP Key 1 (10 or 26 hex digits):	2627F68597
WEP Key 2 (10 or 26 hex digits):	15AD1DD294
WEP Key 3 (10 or 26 hex digits):	DDC4761939
WEP Key 4 (10 or 26 hex digits):	31F1ADB558
Key Index:	1 ▼

Nakon što podesimo sve što smo htjeli pritisnemo finish. Nakon toga na, se pojavi prozor kao na donjoj slici. Traži nas da spremimo sve promjene. Računalu treba neko vrijeme dok prihvati novonastale promjene.

ASUS WL500g Deluxe



ASUS Home Gateway

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Save & Restart

You have finished the basic setting of Home Gateway. You can just press **Save&Restart** button to apply your setting or perform other advanced settings.

Sad ćemo posebno podesiti Wireless. Prvo izaberemo Interface- sučelje.

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Wireless - Interface

SSID:	cms.phy.hr
Channel:	Auto
Wireless Mode:	Auto <input type="checkbox"/> 54g Protection
Authentication Method:	Shared Key
	TKIP
WEP Encryption:	WEP-64bits
Passphrase:	
WEP Key 1 (10 or 26 hex digits):	*****
WEP Key 2 (10 or 26 hex digits):	*****
WEP Key 3 (10 or 26 hex digits):	*****
WEP Key 4 (10 or 26 hex digits):	*****

This field indicates the method used to authenticate wireless users. Selecting different Authentication Method, different encryption scheme will be applied.

Zatim podesimo Bridge.

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Wireless - Bridge

Wireless bridge (also known as Wireless Distribution System or WDS) function allows you to connect to one or many APs through wireless.



AP Mode: AP Only

Channel: Auto

Connect to APs in Remote Bridge List? Yes No

Allow anonymous? Yes No

Remote Bridge List [Add] [Del]

Nakon Wirelessa podešavamo IP Config. Upišemo podatke za IP adresu, Subnet Mask-u, Default Gateway, DNS

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 - DHCP Server
 - Route
 - Miscellaneous
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IP Config - WAN & LAN

WL500g,Deluxe supports several connection types to WAN. These types are selected from the drop-down menu beside WAN Connection Type. The setting fields will differ depending on what kind of connection type you select.

WAN Connection Type: Static IP

WAN Connection Speed: Auto negotiation

WAN IP Setting

IP Address: 161.53.132.103

Subnet Mask: 255.255.0.0

Default Gateway: 161.53.7.1

WAN DNS Setting

Get DNS Server automatically? Yes No

DNS Server1: 161.53.7.130

DNS Server2:

<ul style="list-style-type: none"> Home Quick Setup Wireless <ul style="list-style-type: none"> Interface Bridge Access Control RADIUS Setting Advanced IP Config <ul style="list-style-type: none"> WAN & LAN DHCP Server Route Miscellaneous NAT Setting Internet Firewall USB Application System Setup Status & Log Logout 	Service Name(option):	
	Access Concentrator Name(option):	
	Enable PPPoE Relay?	<input type="radio"/> Yes <input checked="" type="radio"/> No
	Special Requirement from ISP	
	Host Name:	
	MAC Address:	
	Heart-Beat Server:	
	LAN IP Setting	
	IP Address:	192.168.1.1
	Subnet Mask:	255.255.255.0
	<input type="button" value="Restore"/> <input type="button" value="Finish"/> <input type="button" value="Apply"/>	

<ul style="list-style-type: none"> Home Gateway Home Quick Setup Wireless <ul style="list-style-type: none"> Interface Bridge Access Control RADIUS Setting Advanced IP Config <ul style="list-style-type: none"> WAN & LAN DHCP Server Route Miscellaneous NAT Setting Internet Firewall USB Application System Setup Status & Log Logout 	IP Config - DHCP Server	
	<p>WL500g,Deluxe supports up to 253 IP addresses for your local network. The IP address of a local machine can be assigned manually by the network administrator or obtained automatically from WL500g,Deluxe if the DHCP server is enabled.</p>	
	Enable the DHCP Server?	<input checked="" type="radio"/> Yes <input type="radio"/> No
	Domain Name:	
	IP Pool Starting Address:	192.168.1.2
	IP Pool Ending Address:	192.168.1.254
	Lease Time:	86400
	Default Gateway:	192.168.1.1
	DNS and WINS Server Setting	
	DNS Server 1:	161.53.7.130
	DNS Server 2:	192.168.1.1
	WINS Server:	

U sljedećem djelu podešavamo izlaz na Internet. Trebate pripaziti da za Netmask-u stavite 255.255.0.0 a ne 255.255.255.0 jer u protivnom ćete se moći spojiti samo na lokalnu mrežu. Pomoću Static Route List podešavamo router da prepozna koje adrese su izvan lokalne mreže i spoji se na njih.

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IP Config - Route

This function allows you to add routing rules into WL500g.Deluxe. It is useful if you connect several routers behind WL500g.Deluxe to share the same connection to Internet.

Apply to routing table? Yes No

Static Route List

Add Del Help

Network/Host IP	Netmask	Gateway	Matric	Interface
				WAN
0.0.0.0	255.255.0.0	161.53.7.1		WAN
161.53.0.0	255.255.0.0	192.168.1.1		WAN

Restore Finish Apply

Restore: Clear the above settings and restore the settings in effect.

Slijede NAT postavke. NAT (Network Adres Translation) služi za prevođenje mrežnih adresa. Sakriva adrese računala na internoj mreži.

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 - Port Trigger
 - Virtual Server
 - Virtual DMZ
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NAT Setting - Port Trigger

Port Trigger function allows you to open certain TCP or UDP ports to communicate with the computers connected to WL500g.Deluxe. This is done by defining trigger ports and incoming ports. When the trigger port is detected, the inbound packets to the specified incoming port numbers are redirected to your computer.

Enable Port Trigger? Yes No


Trigger Port List

Add Del

Well-Known Applications:		User Defined		
Trigger Port	Protocol	Incoming Port	Protocol	Description
	TCP		TCP	

U idućem koraku podešavamo Firewall.

ASUS WL500g Deluxe



ASUS Home Gateway

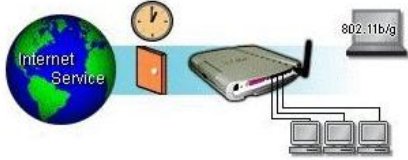
- Home
- Quick Setup
- Wireless
- IP Config
- NAT Setting
 - Port Trigger
 - Virtual Server
 - Virtual DMZ
- Internet Firewall
 - Basic Config
 - WAN & LAN Filter
 - URL Filter
- USB Application
- System Setup
- Status & Log

Internet Firewall - Basic Config

Enabling Firewall(SPI Firewall) will provide basic protection for WL500g,Deluxe and devices behind it. If you want to filter out specified packets, please use WAN vs. LAN filter in next page.

Enable Firewall?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Logged packets type:	None
Enable Web Access from WAN?	<input checked="" type="radio"/> Yes <input type="radio"/> No
Port of Web Access from WAN:	8080
Respond LPR Request from WAN?	<input type="radio"/> Yes <input checked="" type="radio"/> No
Respond Ping Request from WAN?	<input type="radio"/> Yes <input checked="" type="radio"/> No

define the date and time that filter will be enabled. Then, you can choose the default action for filter in both directions and insert the rules for any exceptions.



LAN to WAN Filter

Enable	<input checked="" type="radio"/> Yes <input type="radio"/> No
Date to Enable LAN to WAN Filter:	<input checked="" type="checkbox"/> Sun <input checked="" type="checkbox"/> Mon <input checked="" type="checkbox"/> Tue <input checked="" type="checkbox"/> Wed <input checked="" type="checkbox"/> Thu <input checked="" type="checkbox"/> Fri <input checked="" type="checkbox"/> Sat
Time of Day to Enable LAN to WAN Filter:	00 : 00 : 23 : 59
Packets(LAN to WAN) not specified will be:	ACCEPT
Filtered ICMP(LAN to WAN) packet types:	

LAN to WAN Filter Table

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 - URL Filter
- USB Application
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- Status & Log
- Logout

Internet Firewall - URL Filter

URL Filter allows you to block specific URL access from your local network.

Enable URL Filter? Yes No

Date to Enable URL Filter: Sun Mon Tue Wed
 Thu Fri Sat

Time of Day to Enable URL Filter: 00 : 00 : 23 : 59

URL Keyword List

Add Del

URL Keywords

Podešavamo USB da radi kao FTP server.

ASUS Home Gateway

- Home
- Quick Setup
- Wireless
- IP Config
- NAT Setting
- Internet Firewall
- USB Application
 - FTP Server
 - Web Camera
- System Setup
- Status & Log
- Logout

USB Application - FTP Server

Force to Eject USB Disk: Eject

Enable FTP Server? Yes No

Allow Anonymous User to Login? Yes No [Login](#)

Allow Super User to Login? Yes No [Login](#)

FTP Port: 21

Maximum Users Allowed to Log in: 12

Login Timeout in Seconds: 120

Stay Timeout in Seconds: 240

Initial Script:

User Account List

Add Del

User Name	Password	Max. Login	Rights
			Read/Write/Erase

ASUS Home Gateway

- Home
- Quick Setup
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- IP Config
- NAT Setting
- Internet Firewall
- USB Application
 - FTP Server
 - Web Camera
- System Setup
- Status & Log
- Logout

USB Application - FTP Server

Force to Eject USB Disk:

Enable FTP Server? Yes No

Allow Anonymous User to Login? Yes No [Login](#)

Allow Super User to Login? Yes No [Login](#)

FTP Port:

Maximum Users Allowed to Log in:

Login Timeout in Seconds:

Stay Timeout in Seconds:

Initial Script:

User Account List

User Name	Password	Max. Login	Rights
			Read/Write/Erase <input type="button" value="v"/>

Home Gateway

- Home
- Quick Setup
- Wireless
- IP Config
- NAT Setting
- Internet Firewall
- USB Application
- System Setup
 - Operation Mode
 - Change Password
 - Firmware Upgrade
 - Setting Mangement
 - Factory Default
- Status & Log
- Logout

System Setup - Operation Mode

WL500g.Deluxe supports three operation modes to meet different requirements from different group of people. Please select the mode that match your situation.

Home Gateway

In this mode, we suppose you use WL500g.Deluxe to connect to Internet through ADSL or Cable Modem. And, there are many people in your environment share the same IP to ISP.

Explaining with technical terms, gateway mode is , NAT is enabled, WAN connection is allowed by using PPPoE, or DHCP client, or static IP. In addition, some features which are useful for home user, such as UPnP and DDNS, are supported.

Router

In Router mode, we suppose you use WL500g.Deluxe to connect to LAN in your company. So, you can set up routing protocol to meet your requirement in office.

Explaining with technical terms, router mode is, NAT is disabled, static routing protocol are allowed to set.

Access Point

In Access Point mode, all 5 Ethernet ports and wireless devices are set to locate in the same local area network. Those WAN related functions are not supported here.

Explaining with technical terms, access point mode is, NAT is disabled, one wan port and four lan ports of WL500g.Deluxe are bridged together.

Done 192.168

U slučaju kada želimo promijeniti lozinku koja je zadana kao admin admin u System Setup izaberemo Change Password i upišemo novu lozinku.

Home Gateway

- Home
- Quick Setup
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- IP Config
- NAT Setting
- Internet Firewall
- USB Application
- System Setup
 - Operation Mode
 - Change Password
 - Firmware Upgrade
 - Setting Mangement
 - Factory Default

System Setup - Change Password

New Password:	<input type="text"/>
Retype New Password:	<input type="text"/>

Nakon što sve podesimo spojimo se na Internet upišemo <http://161.53.132.103:7776>
Zatim upišemo korisničko ime i lozinku možemo pratiti što se događa u prostoriji u kojoj
smo postavili kameru.



Ako vas zanima više detalja o Asus WL 500 g delux možete pročitati na:
http://www.xbitlabs.com/articles/other/display/asus-wl500g_6.html