

Postupak konfiguracije ADSL modema ZTE za uslugu moja TV Full

Nakon povezivanja modema svim potrebnim kablovima na računar, linija i napajanje, uključujemo računar. Nakon učitavanja Windowsa kliknemo na „Start“ i odaberemo grupu „Settings“, te „Network Connections“.



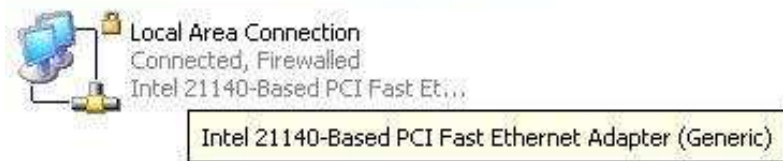
Otvara se prozor sa mrežnim vezama i dobijemo sljedeći prozor:



Ako je „Local Area Connection“ u stanju „Disabled“, kao na slici, desnim tasterom miša kliknemo na ikonice i odaberemo lijevim tasterom opciju „Enable“.

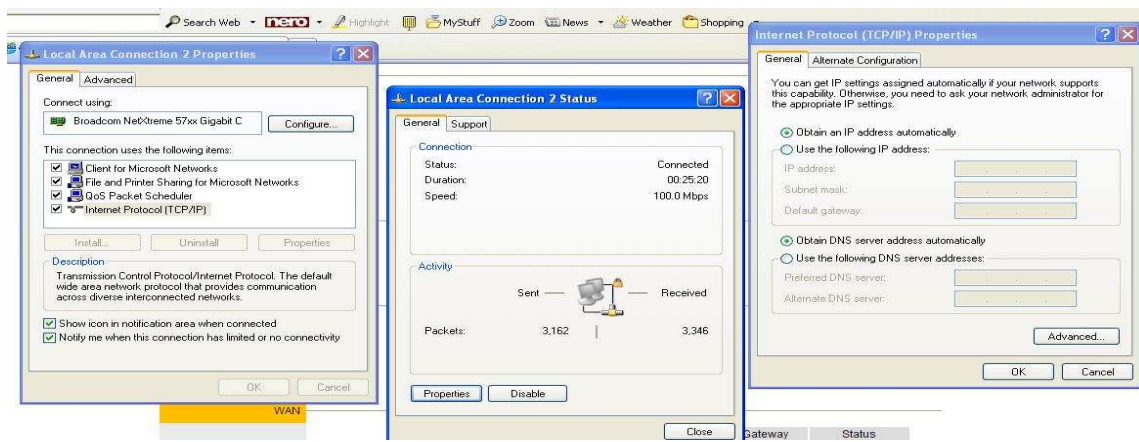


LAN or High-Speed Internet



Nakon aktiviranja mrežne veze „Local Area Connection“ status mrežne konekcije će se promijeniti u „Acquiring Network Address“, a ubrzo i u „Connected“.

Provjerimo Properties u Statusu „Local Area Connection“; potrebno je da označimo opciju „Obtain an IP address automatically“ da bi računar dobio automatski IP adresu od modema putem DHCP:



Sljedeći korak je zatvaranje svih otvorenih prozora i pokretanje Internet Explorera ili nekog drugog web browsera.



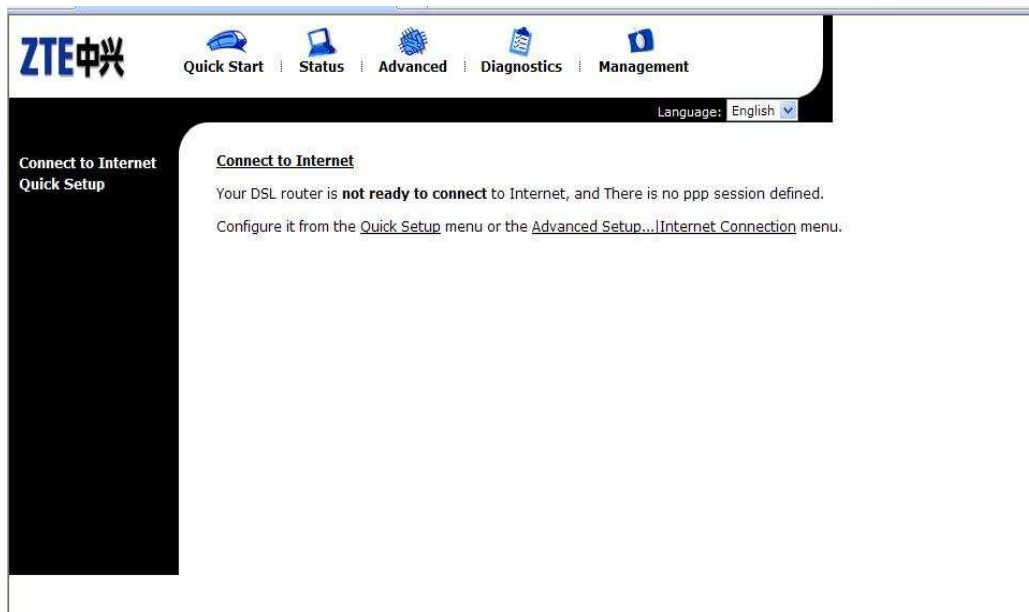
U prozoru browsera ukucavate IP adresu „192.168.1.1“ u polje „Address“ i pritisnete „Enter“ na tastaturi.



Dobićete prozor sa poljima za unos podataka za pristup modemu. Fabrički podaci su
Username: **admin**
Password: **admin**



Klikom na **OK** potvrđujete da ste ukucali ispravne podatke za autorizaciju i nakon toga se pojavljuje početna stranica administracije modema.



Sljedeći korak bi bio da se provjeri koje konekcije su prisutne na modemu. Klikne se na **Advanced**, pa na **WAN** i vidljivo je da u našem slučaju default-na konfiguracija ima 6 konekcija koje se prije nove konfiguracije trebaju izbrisati. PVC br_8_60 može se sačuvati jer predstavlja konekciju i PVC za Internet.

ZTE中兴 Quick Start | Status | Advanced | Diagnostics | Management Language: English

LAN
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Internet Connection Configuration

Choose Add or Edit to configure Internet connection.
Choose Finish to apply the changes and reboot the system.

NOTE: The Internet connection is NOT active if the PVC name is marked with (?). You need to click "Finish" to apply the changes and reboot the system for activating this PVC.

PVC Name	VPI/VCI	Category	Protocol	NAT	QoS	WAN IP Address	Edit
br_8_81	8/81	UBR	Bridge LLC/SNAP	*	Off	*	...
br_0_35	0/35	UBR	Bridge LLC/SNAP	*	Off	*	...
br_8_35	8/35	UBR	Bridge LLC/SNAP	*	Off	*	...
ipoa_1_39	1/39	UBR	IPoA LLC/SNAP	Off	Off	192.168.2.1	
br_0_32	0/32	UBR	Bridge LLC/SNAP	*	Off	*	...
br_0_100	0/100	UBR	Bridge LLC/SNAP	*	Off	*	...
br_8_36	8/36	UBR	Bridge LLC/SNAP	*	Off	*	...
br_0_33	0/33	UBR	Bridge LLC/SNAP	*	Off	*	...

Finish

Svih 6 PVC konekcije se mogu izbrisati na Edit i remove (oznaka „kanta za smeće“). Svaki put sa YES potvrditi opciju brisanja (javlja se mali prozor sa pitanjem da li hoćete obrisati konekciju). Konekcija koja nema opciju za brisanje i editovanje (1/39) se jednostavno ostavi, kao i konekcija br_8_60 (PVC 8/60 za Internet)
Na kraju kliknuti na Finish. Modem će se reboot-irati. Pričekati nekoliko minuta.

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PVC Name	VPI/VCI	Category	Protocol	NAT	QoS	WAN IP Address	Edit
br_8_35	8/35	UBR	Bridge LLC/SNAP	*	Off	*	...
ipoa_1_39	1/39	UBR	IPoA LLC/SNAP	Off	Off	192.168.2.1	

Add Finish

Warning

Router's settings are changed. New settings are only valid after restarting router.

1. Kreiranje servisnih konekcija

Poslije rebootiranja ostala je jedna konekcija koju zanemarujemo i konekcija za Internet PVC 8/60.

Sa Add se dodaju nove konekcije: PVC 8/40 za IPTV STB1, PVC 8/50 za IPTV STB2 i PVC 8/43 za VoIP sve u Bridge načinu rada. Dodavanje obrađujemo za prvu konekciju 8/40:

The screenshot shows the ZTE web interface for configuring an Internet Connection. The page title is "Configure Internet Connection -- ATM PVC". Below the title, there is a instruction: "Please enter VPI and VCI numbers for the Internet connection which is provided by your ISP." The form contains the following fields:

- VPI: 8 (range 0-255)
- VCI: 40 (range 32-65533)
- Service Category: UBR Without PCR (dropdown menu)

Below the form, there is a section titled "Enable Quality Of Service" with the following text: "Enabling packet level QoS for a PVC improves performance for selected classes of applications. QoS cannot be set for CBR and Realtime VBR. QoS consumes system resources; therefore the number of PVCs will be reduced. Use **Advanced...** | **Quality of Service** to assign priorities for the applications." There is a checkbox labeled "Enable Quality Of Service" which is currently unchecked. At the bottom right, there are two buttons: "< Back" and "Next >".

Dodajemo na mjesta VPI: 8 i VCI: 40. Kliknuti na Next.

The screenshot shows the ZTE web interface for configuring an Internet Connection. The page title is "Configure Internet Connection - Connection Type". Below the title, there is a instruction: "Select the protocol and encapsulation type over the ATM PVC that your ISP has instructed you to use." The form contains the following fields:

- Protocol: Radio buttons for PPP over ATM (PPPoA), PPP over Ethernet (PPPoE), MAC Encapsulation Routing (MER), IP over ATM (IPoA), and Bridging (selected).
- Encapsulation Mode: LLC/SNAP (dropdown menu)
- Enable 802.1q: checkbox (unchecked)

At the bottom right, there are two buttons: "< Back" and "Next >".

Odaberemo Protocol: Bridging i Encapsulation Mode: LLC/SNAP. Kliknemo Next.

ZTE中兴 Quick Start Status Advanced Diagnostics Management Language: English

LAN WAN Connections ADSL IP Routing DNS Server Firewall Port Mapping

This Internet Connection -- Summary

Make sure that the settings below match the settings provided by your ISP.

Internet (WAN) Configuration:

VPI / VCI	8 / 40
Service Category	UBR
Connection Type	Bridge, LLC/SNAP, Qos Off

Click "Apply" to save settings. Click "Back" to make any modification.

< Back Apply

Potvrditi konfiguraciju sa Apply.

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PVC Name	VPI/VCI	Category	Protocol	NAT	QoS	WAN IP Address	Edit
br_8_40(?)	8/40	UBR	Bridge LLC/SNAP	*	Off	*	
br_8_35	8/35	UBR	Bridge LLC/SNAP	*	Off	*	
ipoa_1_39	1/39	UBR	IPoA LLC/SNAP	Off	Off	192.168.2.1	

Add Finish

Warning
Router's settings are changed. New settings are only valid after restarting router.

Sa Add dodati sljedeće konekcije 8/50 i 8/43 na isti način.

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PVC Name	VPI/VCI	Category	Protocol	NAT	QoS	WAN IP Address	Edit
br_8_40(?)	8/40	UBR	Bridge LLC/SNAP	*	Off	*	
br_8_50(?)	8/50	UBR	Bridge LLC/SNAP	*	Off	*	
br_8_35	8/35	UBR	Bridge LLC/SNAP	*	Off	*	
ipoa_1_39	1/39	UBR	IPoA LLC/SNAP	Off	Off	192.168.2.1	
br_8_43(?)	8/43	UBR	Bridge LLC/SNAP	*	Off	*	

Warning

Router's settings are changed. New settings are only valid after restarting router.

Konfiguraciju potvrditi sa Finish, modem će se pri spašavanju konfiguracije rebootirati. (Nakon reboot-a upitnici kraj konekcija će nestati).
Sa Advanced, WAN se provjeri urađeno:

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Choose Finish to apply the changes and reboot the system.

NOTE: The Internet connection is NOT active if the PVC name is marked with (?). You need to click "Finish" to apply the changes and reboot the system for activating this PVC.

PVC Name	VPI/VCI	Category	Protocol	NAT	QoS	WAN IP Address	Edit
br_8_40	8/40	UBR	Bridge LLC/SNAP	*	Off	*	
br_8_50	8/50	UBR	Bridge LLC/SNAP	*	Off	*	
br_8_35	8/35	UBR	Bridge LLC/SNAP	*	Off	*	
ipoa_1_39	1/39	UBR	IPoA LLC/SNAP	Off	Off	192.168.2.1	
br_8_43	8/43	UBR	Bridge LLC/SNAP	*	Off	*	

2. Mapiranje portova

Port mapiranje kojim se servisne konekcije pridružuju u grupu sa fizičkim LAN portovima je omogućeno kroz opciju Advanced, Port Mapping.
Označi se opcija Enable virtual ports on ENET (1-4):

The screenshot shows the ZTE web interface for Port Mapping configuration. The top navigation bar includes 'Quick Start', 'Status', 'Advanced', 'Diagnostics', and 'Management'. The left sidebar lists 'LAN', 'WAN', 'IP Routing', 'DNS Server', 'Firewall', and 'Port Mapping'. The main content area is titled 'Port Mapping -- A maximum 16 entries can be configured'. It explains that Port Mapping supports multiple ports to PVC and bridging groups. Below this, there is a checkbox 'Enable virtual ports on' with a value of 'ENET(1-4)'. A table shows the 'Default' group with interfaces 'ENET(1-4), nas_0_8_35, nas_0_8_40, nas_0_8_43, nas_0_8_50'. An 'Add' button is visible at the bottom of the table.

Sa Add se dodaju grupe. Prva grupa je IPTV1.

The screenshot shows the 'Port Mapping Configuration' page. It instructs the user to create a new mapping group by entering a group name and selecting interfaces. The 'Group Name' field contains 'IPTV1'. Below, there are two columns: 'Available Interfaces' and 'Grouped Interfaces'. The 'Available Interfaces' list includes 'ENET1', 'ENET2', 'ENET3', 'ENET4', 'nas_0_8_35', 'nas_0_8_40', 'nas_0_8_43', and 'nas_0_8_50'. There are 'Add >' and '< Remove' buttons between the columns. The 'Grouped Interfaces' column is currently empty. At the bottom, there are '< Back' and 'Apply' buttons.

Sa **Add >** se ENET2 koji predstavlja fizički LAN2 port i konekcija nas_0_8_40 koja predstavlja PVC 8/40 za IPTV STB1 stavljaju u istu grupu.

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Port Mapping Configuration

Create a new mapping group:
 1. Enter the Group name and select interfaces from the available interface list and add it to the grouped interface list using.
 2. Click Apply button to make the changes effective immediately.

Note that the selected interfaces will be removed from their existing groups and added to the new group.

Group Name:

Available Interfaces

- ENET1
- ENET3
- ENET4
- nas_0_8_35
- nas_0_8_43
- nas_0_8_50

Grouped Interfaces

- ENET2
- nas_0_8_40

Kliknuti na Apply.

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Port Mapping -- A maximum 16 entries can be configured

Port Mapping supports multiple ports to PVC and bridging groups. Each group will perform as an independent network.
 Choose Add or Edit to configure mapping groups.

Enable virtual ports on

Group Name	Interfaces	Edit
Default	ENET1, ENET3, ENET4, nas_0_8_35, nas_0_8_43, nas_0_8_50	
IPTV1	ENET2, nas_0_8_40	

Sa Add se dodaje druga grupa IPTV2 na isti način (PVC 8/50 na LAN3):

Port Mapping -- A maximum 16 entries can be configured

Port Mapping supports multiple ports to PVC and bridging groups. Each group will perform as an independent network.

Choose Add or Edit to configure mapping groups.

Enable virtual ports on

Group Name	Interfaces	Edit
Default	ENET1, ENET4, nas_0_8_35, nas_0_8_43	
IPTV1	ENET2, nas_0_8_40	
IPTV2	ENET3, nas_0_8_50	

I na kraju i VoIP grupa na isti način (PVC 8/43 na LAN4):

Port Mapping -- A maximum 16 entries can be configured

Port Mapping supports multiple ports to PVC and bridging groups. Each group will perform as an independent network.

Choose Add or Edit to configure mapping groups.

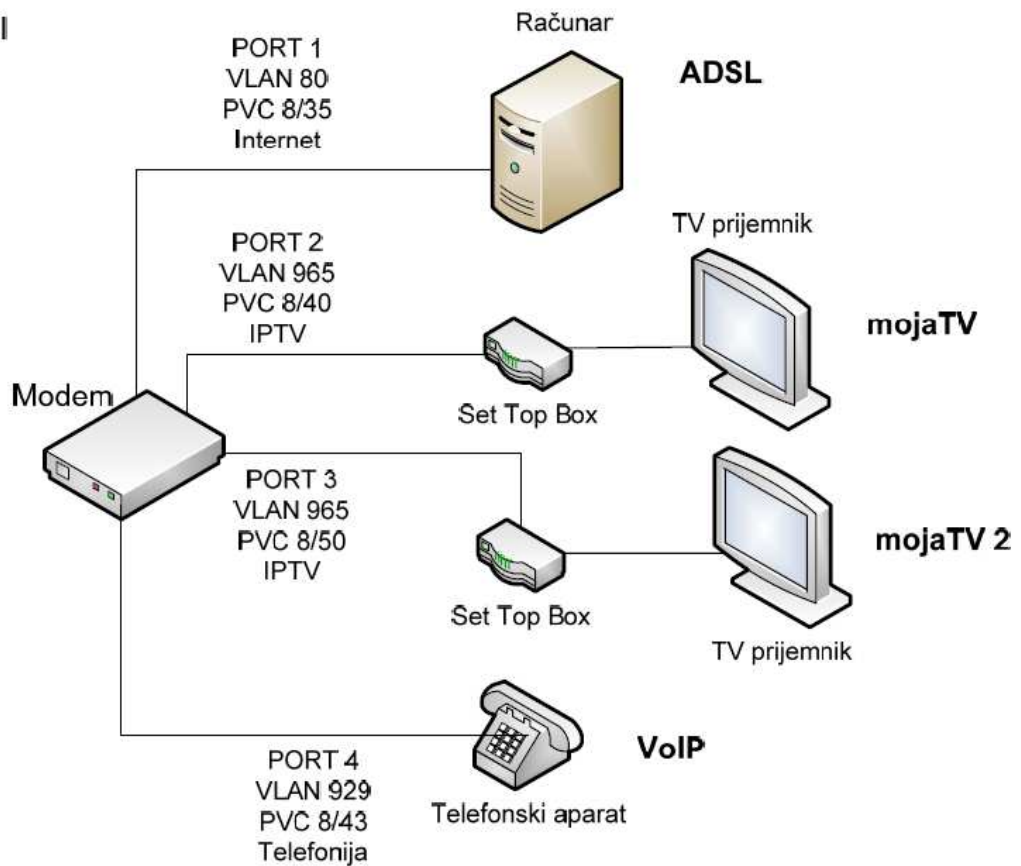
Enable virtual ports on

Group Name	Interfaces	Edit
Default	ENET1, nas_0_8_35	
IPTV1	ENET2, nas_0_8_40	
IPTV2	ENET3, nas_0_8_50	
VoIP	ENET4, nas_0_8_43	

Na ovaj način konfigurisali smo port mapiranje gdje su servisni vpi/vci parametri pridruženi LAN portovima na sljedeći način:

- **LAN1 Internet i pristup modemu.**
- **LAN2 MojaTV STB1**
- **LAN3 MojaTV STB2**
- **LAN4 MojaTV VoIP (IP Telefon)**

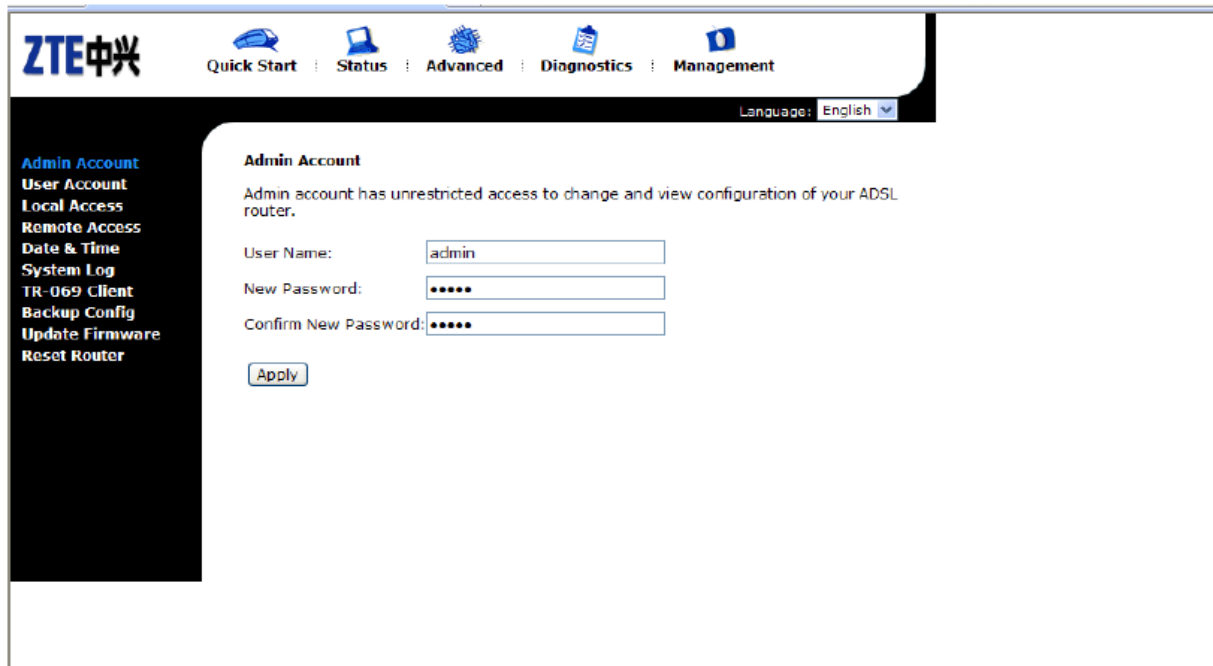
Na kraju treba povezati uređaje i testirati servise kao na slici:



Princip spajanja terminalne opreme na strani korisnika za uslugu mojaTV Full

3. Promjena password-a

Na Management, Admin Account postoji opcija za promjenu administratorskog password-a. Pri promjeni potrebno je dva puta ukucati novi password na mjesta New Password i Confirm New Password.



Kliknuti na Apply.