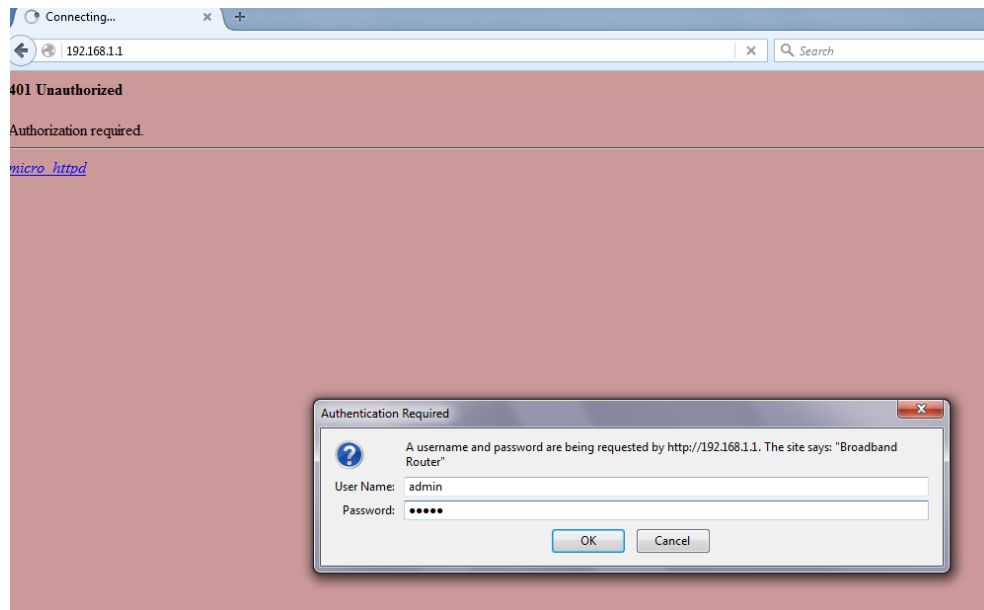


## KASDA WIFI ADSL ROUTER-ИЙН ТОХИРГОО

1. Модемоо компьютертоо лан кабелаар холбоод web browser-ийн url дээр 192.168.1.1 хаягийг бичиж enter товч дарсанаар User: admin Password: adslroot бичиж орно.



2. Go to advanced setup сонгон орно.

### Please select Wizard or Advanced mode

The Wizard setup walks you through the most common configuration settings. We suggest you use this mode if it is the first time you are setting up your router or if you need to make basic configuration changes.

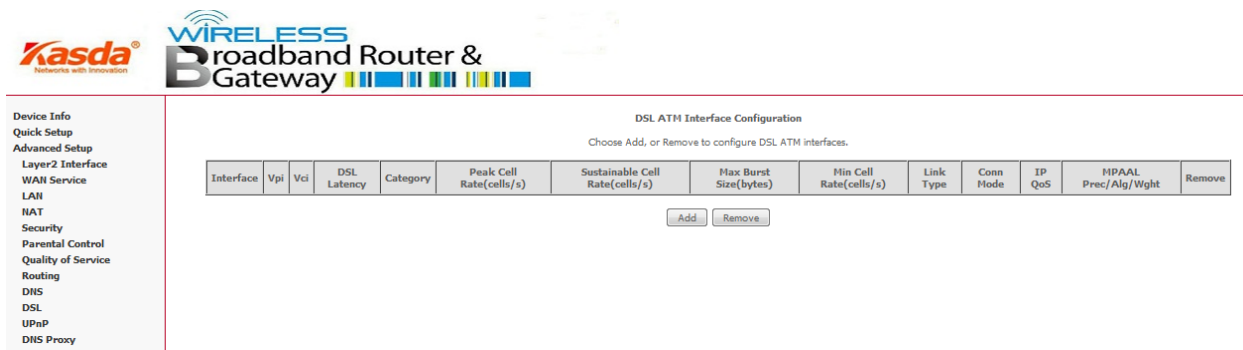
Use Advanced mode if you need access to more advanced features not included in Wizard mode.

- ☐ **Go to Wizard setup**
- ☒ **Go to Advanced setup**
- ☐ **Click here to always start with the Advanced setup.**

Apply

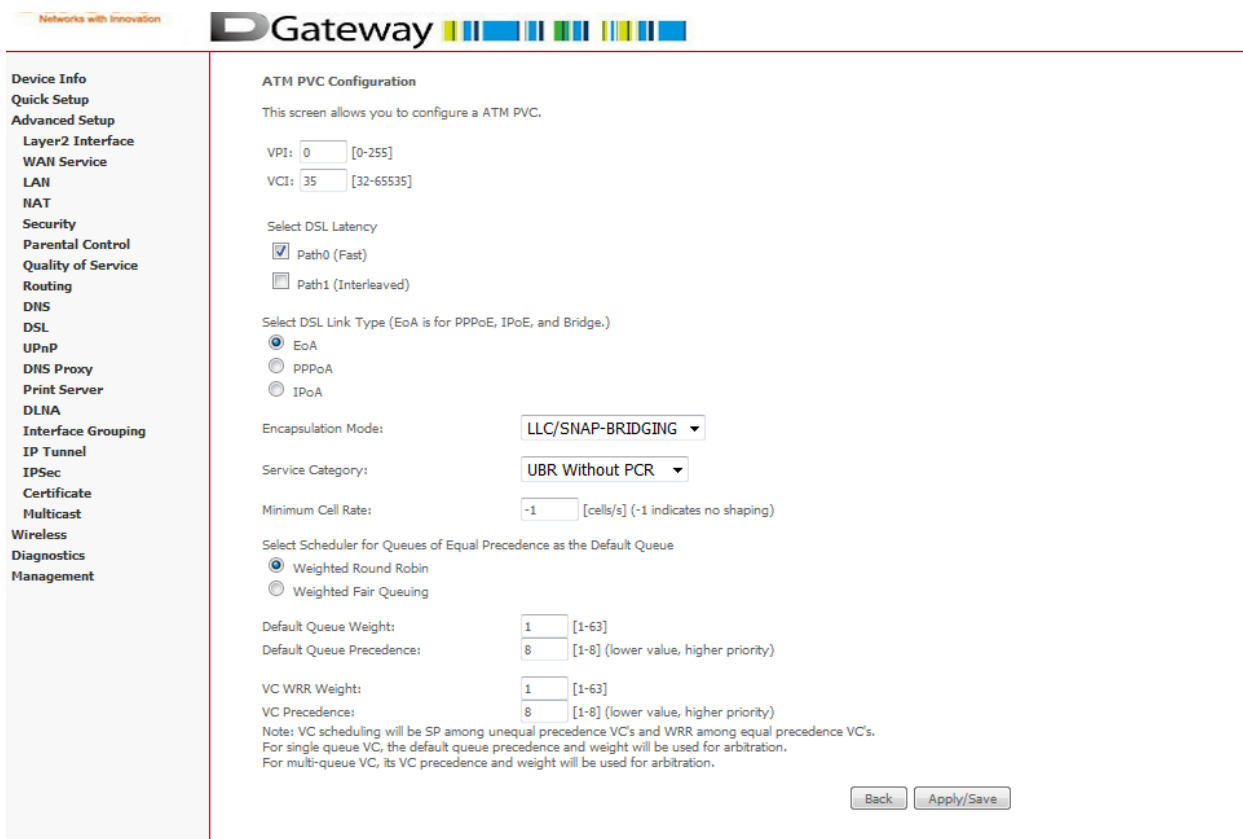
Exit

3. Тохиргооны үндсэн цэс гарч ирнэ. Advanced setup цэсрүү ороход дараах зураг дээрхтэй адил тохиргоо асууна. Add товчийг дарж тохиргоог эхлүүлэнэ.



The image shows the 'DSL ATM Interface Configuration' page of a Kasda Wireless Broadband Router & Gateway. The left sidebar contains a navigation menu with options: Device Info, Quick Setup, Advanced Setup, Layer2 Interface, WAN Service, LAN, NAT, Security, Parental Control, Quality of Service, Routing, DNS, DSL, UPnP, and DNS Proxy. The main content area is titled 'DSL ATM Interface Configuration' and includes the instruction 'Choose Add, or Remove to configure DSL ATM interfaces.' Below this is a table with columns: Interface, Vpi, Vci, DSL Latency, Category, Peak Cell Rate(cells/s), Sustainable Cell Rate(cells/s), Max Burst Size(bytes), Min Cell Rate(cells/s), Link Type, Conn Mode, IP QoS, MPAAL Prec/Alg/Wght, and Remove. At the bottom of the table are 'Add' and 'Remove' buttons.

4. Дараагийн цонхонд өөрчлөлт хийлгүй шууд Apply/Save товчийг дарж үргэлжлүүлэнэ.



The image shows the 'ATM PVC Configuration' page of a Kasda Wireless Broadband Router & Gateway. The left sidebar is the same as in the previous image. The main content area is titled 'ATM PVC Configuration' and includes the instruction 'This screen allows you to configure a ATM PVC.' Below this are several configuration fields: VPI (0) [0-255], VCI (35) [32-65535], Select DSL Latency (Path0 (Fast) is selected), Select DSL Link Type (EoA is selected), Encapsulation Mode (LLC/SNAP-BRIDGING), Service Category (UBR Without PCR), Minimum Cell Rate (-1) [cells/s] (-1 indicates no shaping), Select Scheduler for Queues of Equal Precedence as the Default Queue (Weighted Round Robin is selected), Default Queue Weight (1) [1-63], Default Queue Precedence (8) [1-8] (lower value, higher priority), VC WRR Weight (1) [1-63], and VC Precedence (8) [1-8] (lower value, higher priority). A note at the bottom states: 'Note: VC scheduling will be SP among unequal precedence VC's and WRR among equal precedence VC's. For single queue VC, the default queue precedence and weight will be used for arbitration. For multi-queue VC, its VC precedence and weight will be used for arbitration.' At the bottom right are 'Back' and 'Apply/Save' buttons.

5. Дараагийн зураг дээрхтэй адил 0/35 гэсэн тохиргоо хийгдсэн байдалтай харагдана.

**DSL ATM Interface Configuration**  
Choose Add, or Remove to configure DSL ATM interfaces.

Interface	Vpi	Vci	DSL Latency	Category	Peak Cell Rate(cells/s)	Sustainable Cell Rate(cells/s)	Max Burst Size(bytes)	Min Cell Rate(cells/s)	Link Type	Conn Mode	IP QoS	MPAAL Pres/Alg/Wght	Remove
atm0	0	35	Path0	UBR					EoA	VlanMuxMode	Support	8/WRR/1	<input type="checkbox"/>

**Анхаарах:** ADD remove сонголт гарахгүй Back or Remove Цонх гарвал Reset хийлгээд дахин эхлэнэ /Ар талын товч дээр 15 секунд тасралтгүй дарна/

- Дараа нь зүүн гар талын цэснээс WAN Service гэснийг сонгон үргэлжлүүлэнэ.

**Wide Area Network (WAN) Service Setup**  
Choose Add, Remove or Edit to configure a WAN service over a selected interface.

Interface	Description	Type	Vlan8021p	VlanMuxId	Igmp	NAT	Firewall	IPv6	Mid	Remove	Edit
-----------	-------------	------	-----------	-----------	------	-----	----------	------	-----	--------	------

- Дараагийн зураг дээрх цонх гарч ирэхэд шууд next товчийг дарж үргэлжлүүлэнэ.

**WAN Service Interface Configuration**  
Select a layer 2 interface for this service

Note: For ATM interface, the descriptor string is (portId\_vpi\_vci)  
For PTM interface, the descriptor string is (portId\_high\_low)  
Where portId=0 --> DSL Latency PATH0  
portId=1 --> DSL Latency PATH1  
portId=4 --> DSL Latency PATH0&1  
low =0 --> Low PTM Priority not set  
low =1 --> Low PTM Priority set  
high =0 --> High PTM Priority not set  
high =1 --> High PTM Priority set

atm0/(0\_0\_35) ▼

- Дараагийн цонхноос PPP over Ethernet (PPPoE) сонгож шууд next товчийг дарна.

ce

ol

ice

ping

### WAN Service Configuration

Select WAN service type:

☒ PPP over Ethernet (PPPoE)  
☐ IP over Ethernet  
☐ Bridging

Enter Service Description:

For tagged service, enter valid 802.1P Priority and 802.1Q VLAN ID.  
For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID.

Enter 802.1P Priority [0-7]:

Enter 802.1Q VLAN ID [0-4094]:

Network Protocol Selection:

9. Дараагийн цонхноос PPP Username: хэсэгт интернэтийн холболтын хэрэглэгчийн нэрийг оруулж, PPP Password: хэсэгт нууц үгийг оруулж шууд next товчийг дарна.

ce

ol

ice

ping

### PPP Username and Password

PPP usually requires that you have a user name and password to establish your connection. In the boxes below, enter the user name and password

PPP Username:   
 PPP Password:   
 PPPoE Service Name:   
 Authentication Method:

☐ Enable Fullcone NAT  
☐ Dial on demand (with idle timeout timer)  
☐ PPP IP extension  
☐ Use Static IPv4 Address

☐ Enable PPP Debug Mode  
☐ Bridge PPPoE Frames Between WAN and Local Ports

### Multicast Proxy

☐ Enable IGMP Multicast Proxy  
☐ No Multicast VLAN Filter

10. Дараах 2 цонход өөрчлөлт хийлгүйгээр шууд next товчийг дарна.

Routing -- Default Gateway

Default gateway interface list can have multiple WAN interfaces served as system default gateways but only one will be used according to the priority order. Priority order can be changed by removing all and adding them back in again.

Selected Default Gateway Interfaces

Available Routed WAN Interfaces

ppp0.1

<-

>

Back

Next

DNS Server Configuration

Select DNS Server Interface from available WAN interfaces OR enter static DNS server IP addresses for the system. In ATM mode, if only a static IP address must be entered.

DNS Server Interfaces can have multiple WAN interfaces served as system dns servers but only one will be used according to the priority order. Priority order can be changed by removing all and adding them back in again.

☒ Select DNS Server Interface from available WAN interfaces:

Selected DNS Server Interfaces

Available WAN Interfaces

ppp0.1

<-

>

☐ Use the following Static DNS IP address:

Primary DNS server:

Secondary DNS server:

Back

Next

Primary DNS server: 202.179.0.254

Secondary DNS server: 202.179.31.214

11. Дараах цонход байгаа Apply/Save товчийг дарсанаар интернэтэд холбогдох үндсэн тохиргоо хийгдэж дуусана. Хэрэв таны хийсэн тохиргоо зөв хийгдсэн бол модем дээрх INET гэрэл ногоон өнгөөр анивчих ёстой. (хэрэглэгчийн утасны шугамаа холбосон байх шаардлагатай)

#### WAN Setup - Summary

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

Connection Type:	PPPoE
NAT:	Enabled
Full Cone NAT:	Disabled
Firewall:	Enabled
IGMP Multicast:	Disabled
Quality Of Service:	Enabled

Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications.

Back

Apply/Save

12. Wireless тохиргоо хийхдээ үндсэн цэснээс Wireless-ийг сонгон орж дараах цонх гарч ирнэ. SSID:хэсэгт хэрэглэгчийн хүссэн wifi нэрийг бичиж Apply/Save товч дээр дарна.

**Kasda**  
Networks with Innovation

**Broadband Router & Gateway**

Device Info

Quick Setup

Advanced Setup

**Wireless**

Basic

Security

MAC Filter

Wireless Bridge

Advanced

Station Info

Diagnostics

Management

Wireless -- Basic

This page allows you to configure basic features of the wireless LAN interface. You can enable or disable the wireless interface based on country requirements.  
Click "Apply/Save" to configure the basic wireless options.

☒ Enable Wireless

☐ Hide Access Point

☐ Clients Isolation

☐ Disable WMM Advertise

☐ Enable Wireless Multicast Forwarding (WMF)

SSID:

BSSID:

Country:

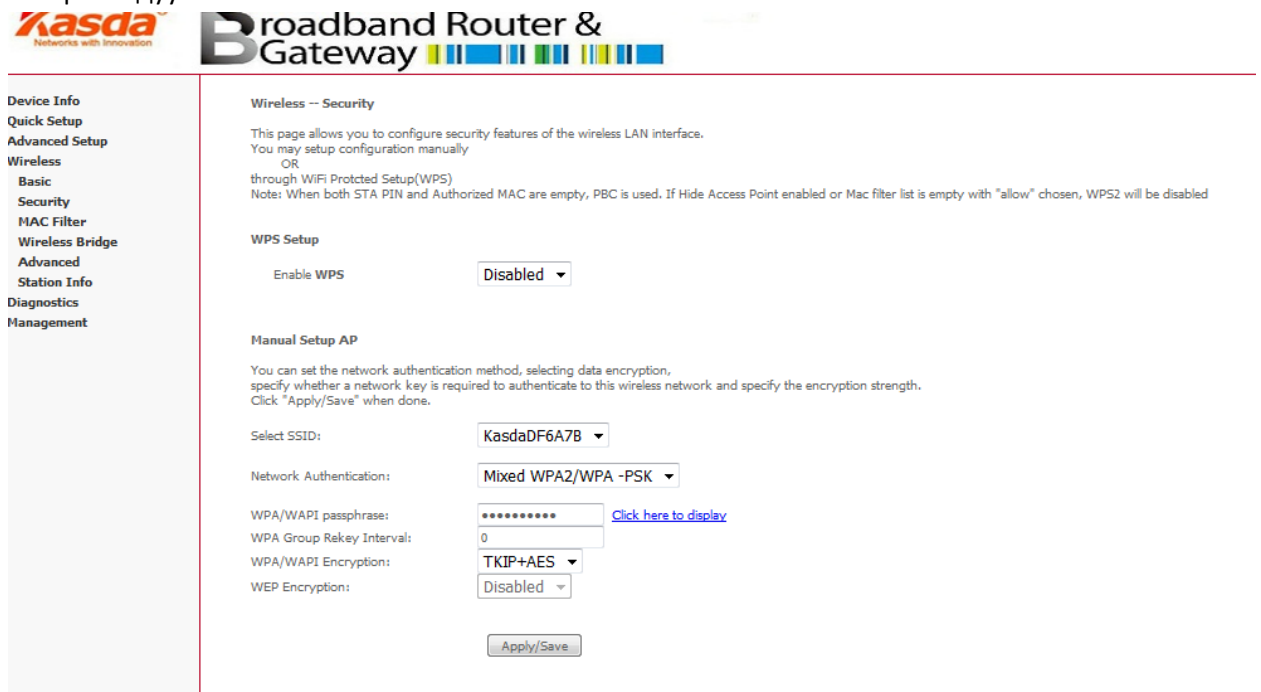
Max Clients:

Wireless - Guest/Virtual Access Points:

Enabled	SSID	Hidden	Isolate Clients	Disable WMM Advertise	Enable WMF	Max Clients	BSSID
<input type="checkbox"/>	wl0_Guest1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	N/A
<input type="checkbox"/>	wl0_Guest2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	N/A
<input type="checkbox"/>	wl0_Guest3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	N/A

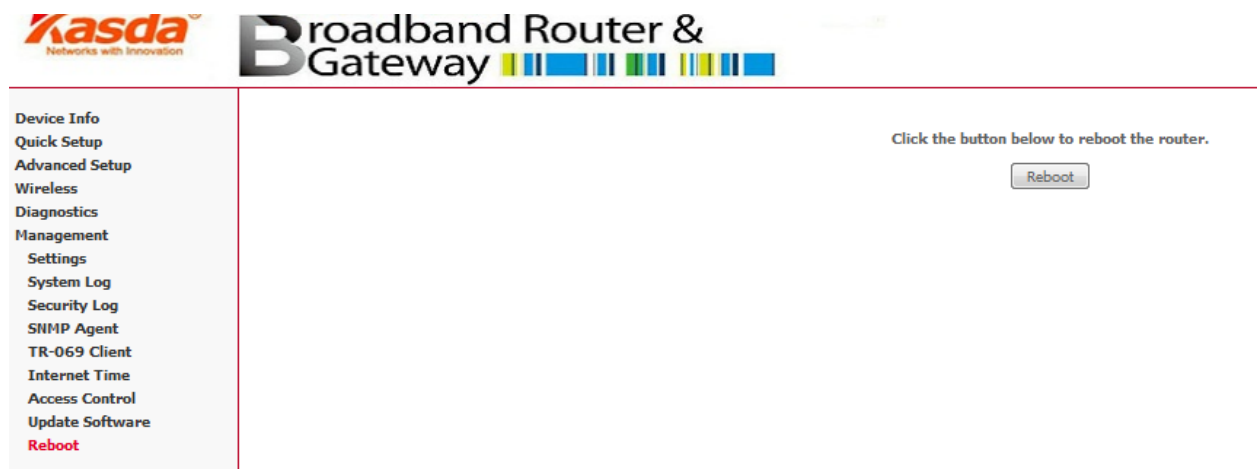
Apply/Save

13. Дараа нь цэснийхаа Security хэсэг рүү орж **Network Authentication**:хэсэгт wifi-ийн нууц үгийг хамгийн багадаа 8 тэмдэгт орсон үсэг тоогоор бичиж оруулж **Apply/Save**дарж wireless тохиргоог дуусгана.



The image shows the 'Wireless -- Security' configuration page of a Kasda Broadband Router & Gateway. The left sidebar contains a menu with options: Device Info, Quick Setup, Advanced Setup, Wireless, Basic, Security, MAC Filter, Wireless Bridge, Advanced, Station Info, Diagnostics, and Management. The main content area is titled 'Wireless -- Security' and includes a description: 'This page allows you to configure security features of the wireless LAN interface. You may setup configuration manually OR through WiFi Protected Setup(WPS). Note: When both STA PIN and Authorized MAC are empty, PBC is used. If Hide Access Point enabled or Mac filter list is empty with "allow" chosen, WPS2 will be disabled.' Below this, there is a 'WPS Setup' section with a checkbox 'Enable WPS' set to 'Disabled'. A 'Manual Setup AP' section follows, with instructions: 'You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength. Click "Apply/Save" when done.' The configuration fields include: 'Select SSID' set to 'KasdaDF6A7B', 'Network Authentication' set to 'Mixed WPA2/WPA -PSK', 'WPA/WAPI passphrase' set to '\*\*\*\*\*' with a 'Click here to display' link, 'WPA Group Rekey Interval' set to '0', 'WPA/WAPI Encryption' set to 'TKIP+AES', and 'WEP Encryption' set to 'Disabled'. An 'Apply/Save' button is at the bottom.

14. Тохиргоо хийж дуусаад баталгаажуулахын тулд дараах үйлдэлийг хийх шаардлагатай. Дараах зураг дээрх **Management** сонголтоос Reboot товчийг дарж баталгаажуулана.



The image shows the 'Management' page of a Kasda Broadband Router & Gateway. The left sidebar contains a menu with options: Device Info, Quick Setup, Advanced Setup, Wireless, Diagnostics, Management, Settings, System Log, Security Log, SNMP Agent, TR-069 Client, Internet Time, Access Control, Update Software, and Reboot. The main content area is titled 'Management' and includes a description: 'Click the button below to reboot the router.' Below this, there is a 'Reboot' button.