

ADSL configuration for SmartRG 505N

September, 2014

Step 1: Log in to SmartRG 505N



Ŝmart rg ∞	The server http://192.168.1.1:80 requires a username and password. The server says: Broadband Router.				
Network status	Log In Cancel				
Network	Manage gateway (advanced)				
no Internet connection	View log				
Please wait while your Internet connection is set up.					
Setup will be complete in a few minutes.					
Unable to connect to the Internet - Please check WAN connection settings					

- Open a web browser and type in http://192.168.1.1/ in the address bar
- Click on <u>Manage gateway (advanced)</u>
- If it prompts you for a username and password, enter <u>admin</u> (all lowercase) for both

Step 2: Remove Existing WAN Service Configuration





Device Info Advanced Setup Layer2 Interface WAN Service Ethernet Config LAN NAT Security Parental Control Quality of Service Routing DNS Wide Area Network (WAN) Service Setup

Choose Add, Remove or Edit to configure a WAN service over a selected interface.

Interface	Description	Туре	Vlan8021p	VlanMuxId	Igmp	NAT	Firewall	IPv6	Mld	Remove	Edit	Reset
ppp0.1	pppoe_0_1_1.35	PPPoE	1	35	Disabled	Enabled	Enabled	Disabled	Disabled		Edit	Reset
Add Remove												

- By default, your SmartRG is configured for VDSL connection. We will have to remove these settings first before configuring the modem for ADSL connection.
- Click on <u>Advanced Setup (top right corner of the opened page)</u> >> <u>WAN Service</u>
- Check the <u>Remove box</u> >> Click <u>Remove</u>



Step 3: Remove PTM Configuration



Check the <u>Remove box</u> >> Click <u>Remove</u>



Step 4: Configure ATM Settings



Back

Apply/Save



Device Info Advanced Setup Layer2 Interface ATM Interface PTM Interface ETH Interface WAN Service Ethernet Config LAN NAT Security **Parental Control Ouality of Service** Routing DNS DSL UPnP **DNS Proxy Interface Groupin TP** Tunnel IPSec Certificate Multicast Wireless Diagnostics Management

ATM PVC Configuration

This screen allows you to co	nfigure a ATM PVC.
VPI: 0 [0-255]	
VCI: 35 [32-65535]	
Select DSL Latency	
Path0 (Fast)	
✓ Path1 (Interleaved)	
Select DSL Link Type (EoA is • EoA • PPPoA • IPoA	for PPPoE, IPoE, and Bridge.)
Encapsulation Mode:	LLC/SNAP-BRIDGING •
Service Category:	UBR Without PCR •
Minimum Cell Rate:	-1 [cells/s] (-1 indicates no shaping)
Select Scheduler for Queues Weighted Round Robin Weighted Fair Queuing	of Equal Precedence as the Default Queue
Default Queue Weight:	1 [1-63]
Default Queue Precedence:	8 [1-8] (lower value, higher priority)
VC WRR Weight:	1 [1-63]
VC Precedence:	8 [1-8] (lower value, higher priority)
Note: VC scheduling will be 9 For single queue VC, the def For multi-queue VC, its VC p	SP among unequal precedence VC's and WRR among equal precedence VC's ault queue precedence and weight will be used for arbitration. recedence and weight will be used for arbitration.

- Make sure you have all the settings as show in this slide
- By default, <u>Path1 (Interleaved)</u> is unchecked. Please make sure that you check this box to avoid connections errors.
- Click <u>Apply/Save</u>

Now we have to configure WAN Settings



Step 5: Configure WAN settings





	WAN Service Configuration
WAN Service Interface Configuration	Select WAN service type: PPP over Ethernet (PPPoE) IP over Ethernet
Select a layer 2 interface for this service	Bridging
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	Enter Service Description: pppoe_4_0_35
low =0> Low PTM Priority not set	For tagged service, enter valid 802.1P Priority and 802.10 VLAN ID.
low =1> Low PTM Priority set	For untagged service, set -1 to both 802.1P Priority and 802.1Q VLAN ID.
high =0> High PTM Priority not set	
high =1> High PIM Priority set	Enter 802.1P Priority [0-7]:
atm0/(4_0_35) • atm0/(4_0_35)	Enter 802.1Q VLAN ID [0-4094]: -1
	Network Protocal Selection:
Back Next	IPV4 Only
	Back Next

- You will be taken to WAN Service Interface Configuration page
- In the drop down menu, you will only have one option (<u>atm0(4_0_35)</u>), select that and click <u>Next</u>
- On the next page, select <u>PPP over Ethernet (PPPoE)</u> and make sure that rest of the values in your modem are set to be same as shown above.
- •Then click <u>Next</u>



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 that your ISP has provided to you.

PPP Username:	username@dev.vianetdsl.o	
PPP Password:	•••••	
PPPoE Service Name:		
Authentication Method:	AUTO	•

Link Control Protocol

LCP Keepalive Period (s):	3
LCP Retry Threshold:	20

Dial on demand (with idle timeout timer)

Dial on demand (with idle timeout timer)

- Enter your username and password that you received when signing up with VMedia
- Example: <u>username@dev.vianetdsl.com</u>









- Leave everything as it is in <u>DNS Server Configuration</u> and <u>Routing -- Default Gateway</u>
- Click <u>Next</u> for both

Final Step

Ŝmart **rg**⊶

Device Info Advanced Setup Layer2 Interface WAN Service Ethernet Config LAN NAT Security Parental Control Quality of Service Routing DNS DSL UPnP **DNS Proxy** Interface Grouping **IP** Tunnel IPSec Certificate Multicast Wireless Diagnostics Management

WAN Setup - Summary

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

PORT / VPI / VCI:	0 / 0 / 35
Connection Type:	PPPoE
Service Name:	pppoe_4_0_35
Service Category:	UBR
IP Address:	Automatically Assigned
Service State:	Enabled
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.



Finally, click <u>Apply/Save</u>

You have successfully completed configuring you SmartRG 505N Modem for ADSL connection!

Should you need any assistance, feel free to contact us at 1-855-333-8269 or email us at support@vmedia.ca

