



# How to Bridge your SmartRG 505N Modem

# Step 1: Log in to SmartRG 505N



The screenshot displays the SmartRG 505N web interface. At the top left is the 'Smart rg' logo. A modal dialog box is open in the center, titled 'The server http://192.168.1.1:80 requires a username and password. The server says: Broadband Router.' It contains two input fields: 'User Name: admin' and 'Password: \*\*\*\*'. Below these fields are 'Log In' and 'Cancel' buttons. A blue arrow points to the 'User Name' field. Below the dialog, the 'Network status' section shows a 'Network' icon and the text '-- no Internet connection --'. To the right of this section, a blue arrow points to the link 'Manage gateway (advanced)'. Below the network status, a message reads 'Please wait while your Internet connection is set up.' followed by 'Setup will be complete in a few minutes.' and a progress bar. At the bottom of this section, it says '-- 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 and press Enter.
- Click on **Manage gateway (advanced)**
- If it prompts you for a username and password, enter **admin** (all lowercase) for both.

# Step 2: Remove PPOE connection



Smart **rg** cloud SR505N

**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	Reset
ppp0.1	pppoe_0_1_1.35	PPPoE	1	35	Disabled	Enabled	Enabled	Disabled	Disabled	<input checked="" type="checkbox"/>	Edit	Reset

Add Remove

- In the Home screen, click on **Advanced Setup** >> **WAN Services**
- Check the **Remove** checkbox
- Click **Remove**

# Step 3: Setup Bridge Connection



Smart **rg** cloud SR505N

**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	Mld	Remove	Edit	Reset
-----------	-------------	------	-----------	-----------	------	-----	----------	------	-----	--------	------	-------



- Select **ADD**

# Step 3: Setup Bridge Connection (continued)



Smart **rg** cloud SR505N

**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



- 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

- In the WAN Service Interface Configuration page
- Click **Next**

# Step 3: Setup Bridge Connection (continued)



Smart **rg** SR505N

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 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]:

- In the **WAN Service Configuration** page
- *Select WAN Service type: **Bridging***
- *802.1P Priority [0-7]: **0***
- *802.1Q VLAN ID [0-4094]: **35***
- Click **Next**

# Step 4: Save the settings



The screenshot shows the SmartRG 505N WAN Setup - Summary page. The left sidebar contains a menu with items: Device Info, Advanced Setup, Layer2 Interface, WAN Service (highlighted), 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, and Management. The main content area is titled 'WAN Setup - Summary' and includes a note: 'Make sure that the settings below match the settings provided by your ISP.' Below this is a table with the following settings:

PORT / VPI / VCI:	0 / 1 / 1
Connection Type:	Bridge
Service Name:	br_0_1_1.35
Service Category:	UBR
IP Address:	Not Applicable
Service State:	Enabled
NAT:	Disabled
Full Cone NAT:	Disabled
Firewall:	Disabled
IGMP Multicast:	Not Applicable
Quality Of Service:	Disabled

Below the table, there is a text instruction: 'Click "Apply/Save" to have this interface to be effective. Click "Back" to make any modifications.' There are two buttons: 'Back' and 'Apply/Save'. A blue arrow points to the 'Apply/Save' button.

- Finally, click **Apply/Save**

**Note:** You will need to setup an alternate device (such as a router) to log into our service using your VMedia username and password. For assistance with your router, you will need to contact the router manufacturer for support.

*You have successfully completed configuring you SmartRG 505N Modem for Bridging!*

*Should you need any assistance, feel free to contact us at 1-855-333-8269 or email us at [support@vmedia.ca](mailto:support@vmedia.ca)*