SmartRG Gateways | **SR505N**

ADSL/VDSL2 + 4-Port WiFi

For further information, email us at **Sales@SmartRG.com.**

HIGHLIGHTS

IPv6 Enabled

Support for IPv6/IPv4 Dual Stack, IPv6 Rapid Deployment (6RD) and Dual-Stack Lite (DS-Lite) transition mechanisms. The SR505N supports IPv6 out-of-the-box today and protects Service Provider and customer investment for years to come.

Vectoring

With integrated support for the ITU-T's new G.993.5 Vectoring specification, the SR505N works in conjunction with vectoring-enabled DSLAMs to remove crosstalk inteference, allowing lines to reach their full bandwidth potential, as if they were the only line in the cable binder.

TR-069 Remote Management

SmartRG has a rich TR-069 heritage, leading the market in innovative TR-069-enabled services and solutions. Superior remote manageability reduces Service Provider operational expenses and maintenance costs.

IPTV Grade

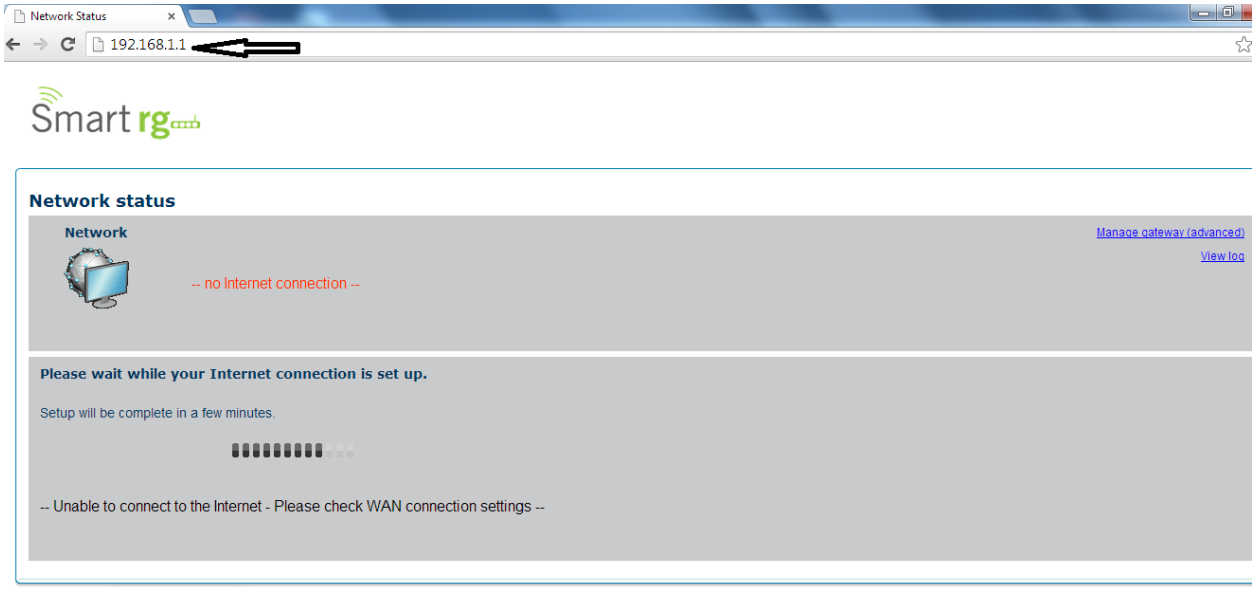
With features such as dedicated hardware accelerator engines for wire-speed packet processing and Large Send Offload, Broadcom PhyR™/G.inp, advanced IGMP/Multicast traffic handling, and dynamic/static LAN port-to-PVC mapping, the SR505N delivers the high throughput at low bit error rate required when delivering HD IPTV services over copper and assures Quality of Service is maintained in the triple play environment.

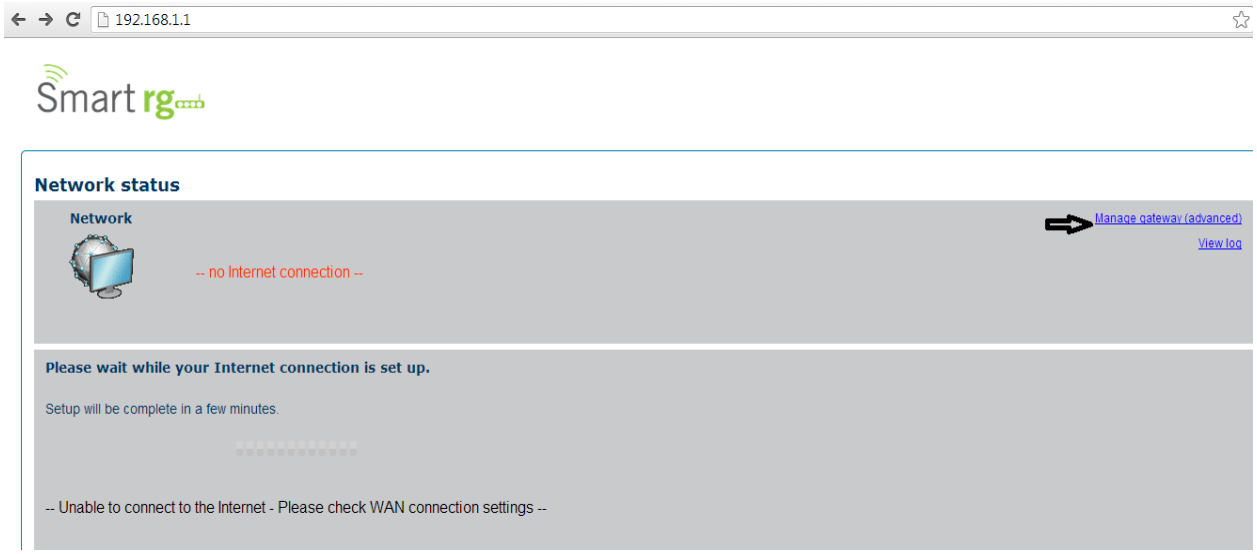
FEATURES

- Four RJ-45 Fast Ethernet LAN ports
- Single USB port
- WPS and Wireless on/off buttons
- 802.11n Dual-Band 300Mbps Access Point
- Automatic Broadband Connection Creation

BUILT-IN SUPPORT FOR

- VDSL2 Vectoring
- VDSL2 profiles up to 17a, with automatic fallback to ADSL2/2+ Annexes A, L (Reach-Extended) and M (Extended Upstream Bandwidth)
- IPv6, Dual-Stack, Dual-Stack Lite, and 6RD transition mechanisms
- Managed SPI Firewall
- Managed WiFi
- TR-069 Captive Portal


Network Status
192.168.1.1
Smart rg
Network status
Network
-- no Internet connection --
Manage gateway (advanced)
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 --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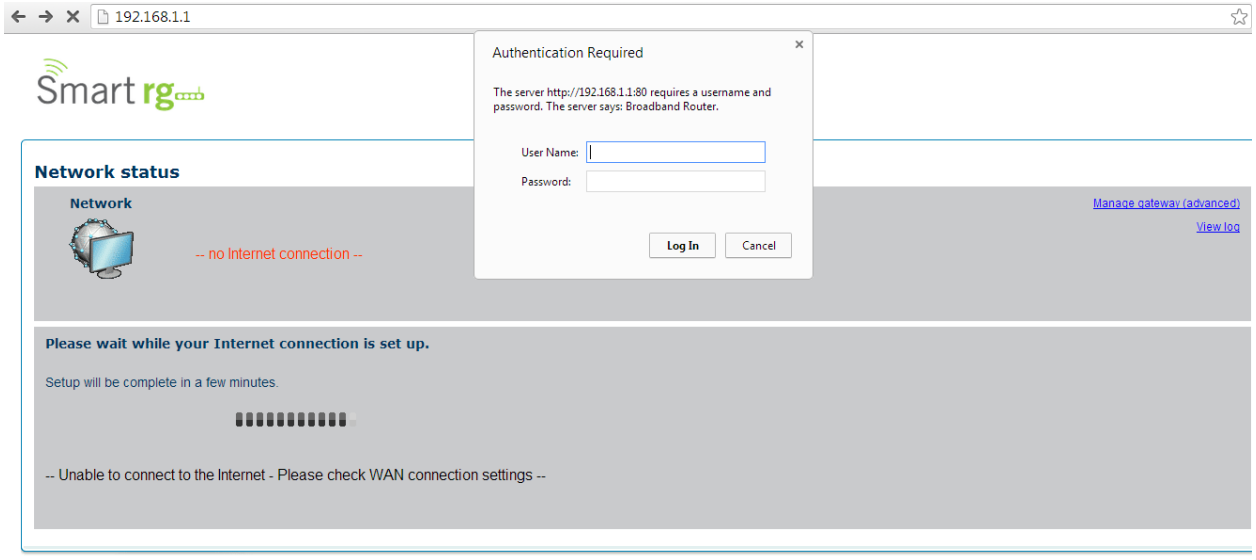
192.168.1.1
Smart rg
Authentication Required
The server http://192.168.1.1:80 requires a username and password. The server says: Broadband Router.
User Name:
Password:
Log In
Cancel
Network status
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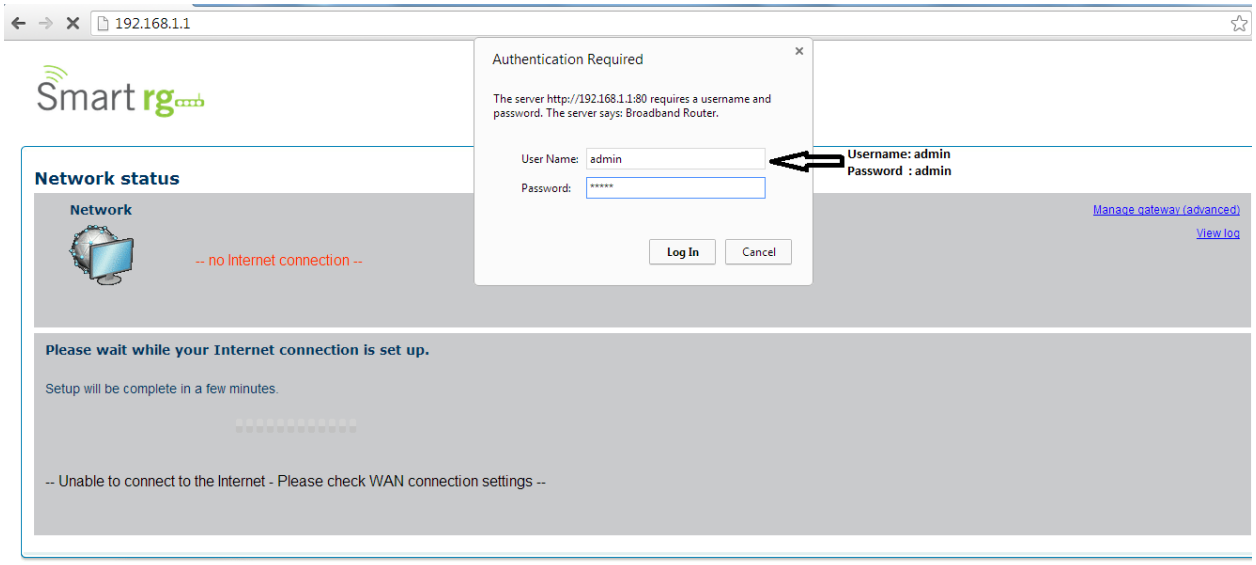
192.168.1.1
Smart rg
Authentication Required
The server http://192.168.1.1:80 requires a username and password. The server says: Broadband Router.
User Name: admin
Password: *****
Log In
Cancel
Username: admin
Password : admin
Network status
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Manage gateway (advanced)
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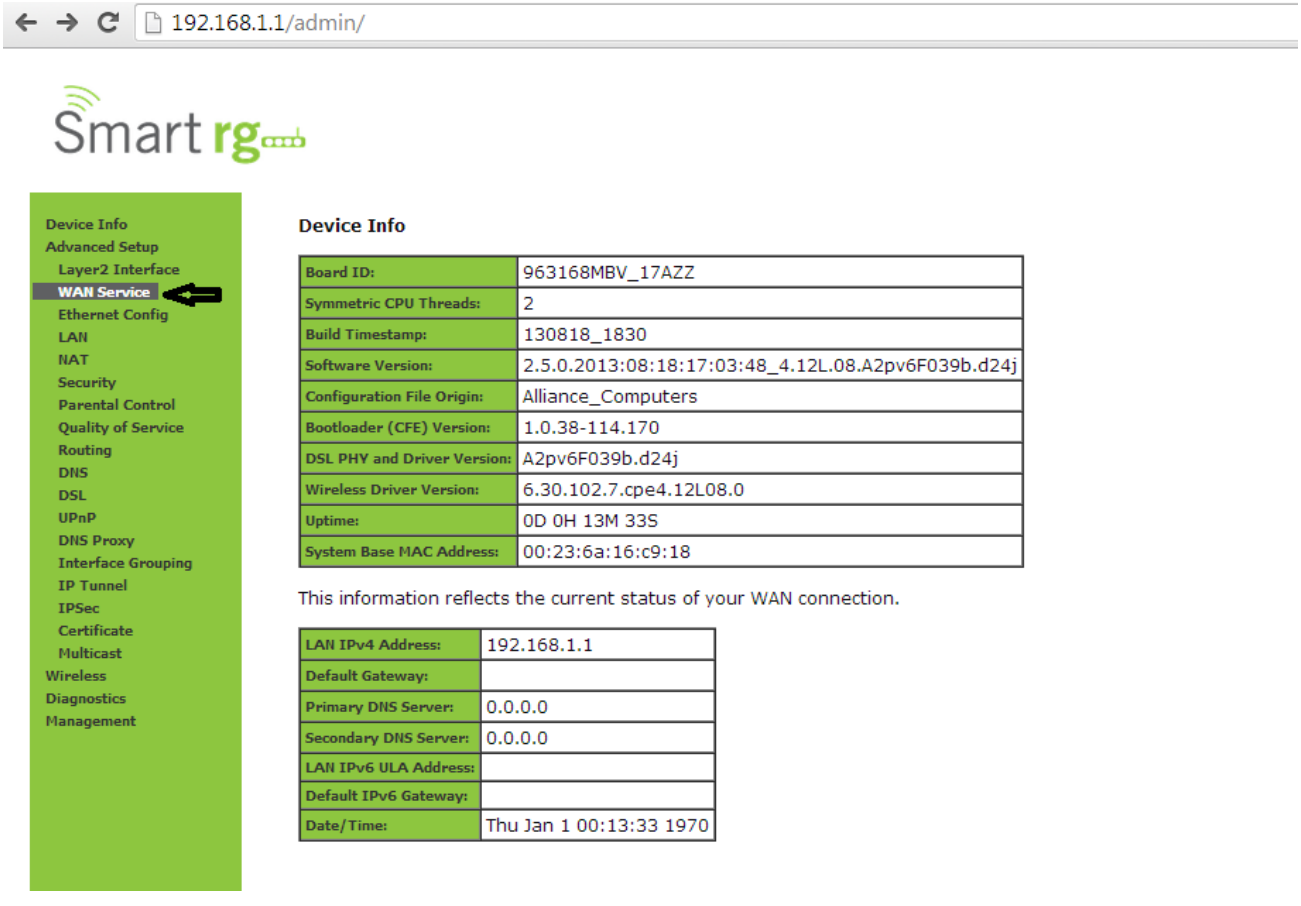
192.168.1.1/admin/
Smart rg
Device Info
Advanced Setup
Layer2 Interface
WAN Service
Ethernet Config
LAN
NAT
Security
Parental Control
Quality of Service
Routing
DNS
DSL
UPnP
DNS Proxy
Interface Grouping
IP Tunnel
IPSec
Certificate
Multicast
Wireless
Diagnostics
Management
Device Info
Board ID: 963168MBV_17AZZ
Symmetric CPU Threads: 2
Build Timestamp: 130818_1830
Software Version: 2.5.0.2013:08:18:17:03:48_4.12L.08.A2pv6F039b.d24j
Configuration File Origin: Alliance_Computers
Bootloader (CFE) Version: 1.0.38-114.170
DSL PHY and Driver Version: A2pv6F039b.d24j
Wireless Driver Version: 6.30.102.7.cpe4.12L08.0
Uptime: 0D 0H 13M 33S
System Base MAC Address: 00:23:6a:16:c9:18
This information reflects the current status of your WAN connection.
LAN IPv4 Address: 192.168.1.1
Default Gateway:
Primary DNS Server: 0.0.0.0
Secondary DNS Server: 0.0.0.0
LAN IPv6 ULA Address:
Default IPv6 Gateway:
Date/Time: Thu Jan 1 00:13:33 1970

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  - DNS
  - DSL
  - UPnP
  - DNS Proxy
  - Interface Grouping
  - IP Tunnel
  - IPSec
  - Certificate
  - Multicast
- Wireless
- Diagnostics
- Management

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
ppp0.1	pppoe_0_1_1.35	PPPoE	1	35	Disabled	Enabled	Enabled	Disabled	Disabled	☐	Edit	Reset

Add Remove

Click Edit

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

Enter the Username and Password:
Ex:
Username: 399000123456@dev.vianettv.com
Password: *********(Case Senstive)**

Link Control Protocol

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

☐ Dial on demand (with idle timeout timer)

☐ Advanced DMZ

Non DMZ IP Address: 192.168.2.1
Non DMZ Net Mask: 255.255.255.0

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☐ Enable PPP Debug Mode

☐ Bridge PPPoE Frames Between WAN and Local Ports

☑ Enable Firewall

Network Address Translation Settings

Network Address Translation (NAT) allows you to share one Wide Area Network (WAN) IP address for multiple computers on your Local Area Network (LAN).

☑ Enable NAT

☐ Enable Fullcone NAT

☐ Enable SIP

Multicast Proxy

☐ Enable IGMP Multicast Proxy

☐ No Multicast VLAN Filter

MTU size [1370-1492]: 1452

☑ Use Base MAC Address on this WAN interface:

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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 with the first being the higest and the last one the lowest priority if the WAN interface is connected. Priority order can be changed by removing all and adding them back in again.

Selected Default Gateway Interfaces		Available Routed WAN Interfaces
ppp0.1	-> <-	ppp1

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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 single PVC with IPoA or static IPoE protocol is configured, Static DNS server IP addresses 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 with the first being the higest and the last one the lowest priority if the WAN interface is connected. 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	-> <-	ppp1

Use the following Static DNS IP address:

Primary DNS server:

Secondary DNS server:

Scroll down and Click Next

Smart rg

- Device Info
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WAN Setup - Summary

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

Connection Type:	PPPoE
Service Name:	pppoe_0_1_1.35
Service Category:	UBR
IP Address:	Automatically Assigned
Service State:	Enabled
NAT:	Enabled
Full Cone NAT:	Disabled
Firewall:	Enabled
IGMP Multicast:	Disabled

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

Back Apply/Save

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- Wireless
  - Basic
  - Security
  - MAC Filter
  - Wireless Bridge
  - Advanced
  - Station Info
- Diagnostics
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Wireless -- Basic

This page allows you to configure basic features of the wireless LAN interface. You can enable or disable the wireless LAN interface, hide the network from active scans, set the wireless network name (also known as SSID) and restrict the channel set based on country requirements.
Click "Apply/Save" to configure the basic wireless options.

- [x] Enable Wireless
- [ ] Enable Wireless Hotspot2.0 [WPA2 is required!]
- [ ] Hide Access Point
- [ ] Clients Isolation
- [ ] Disable WMM Advertise
- [ ] Enable Wireless Multicast Forwarding (WMF)

SSID: SmartRGc918
BSSID: 00:23:6A:16:C9:1A
Country: CANADA
Max Clients: 128

Wireless - Guest/Virtual Access Points:

Enabled	SSID	Hidden	Isolate Clients	Disable WMM Advertise	Enable WMF	Enable HSPOT	Max Clients	BSSID
[ ]	Guest	[ ]	[ ]	[x]	[ ]	[ ] [wpa2!]	128	N/A

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- Device Info
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  - Security ← Click Security
  - MAC Filter
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  - Advanced
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You may setup configuration manually
OR
through WiFi Protcted 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

WPS Setup

Enable **WPS** Disabled

Manual Setup AP

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.

Select SSID: SmartRGc918 ← **Network Name**

Network Authentication: Mixed WPA2/WPA -PSK

WPA/WAPI passphrase: •••••••••••• Click here to display ← **Enter New Password**

[x] Use base MAC address as WPA/WAPI passphrase

WPA Group Rekey Interval: 0
WPA/WAPI Encryption: TKIP+AES
WEP Encryption: Disabled

Apply/Save ← **Click to Save**