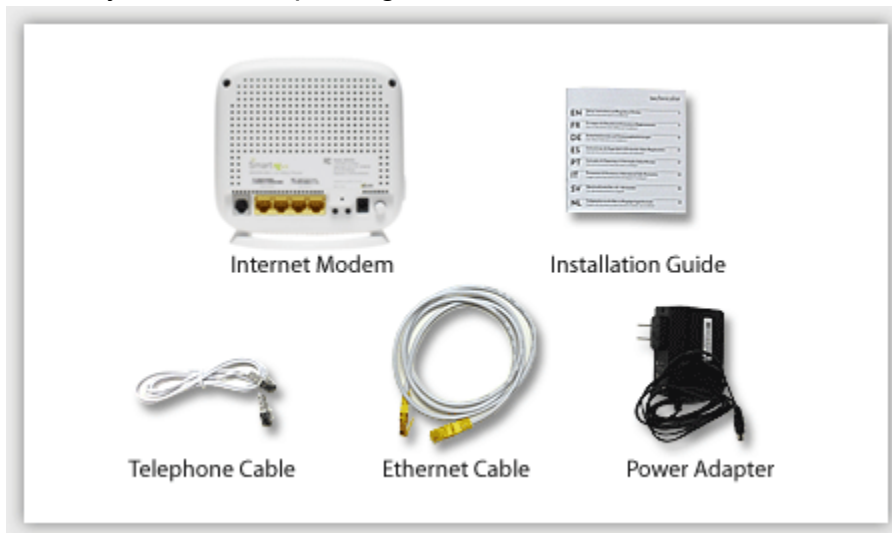


Installation Guide - Wireless DSL Modem - SmartRG-SR505N

1. [Getting Your Internet Running](#)
2. [Setup Internet Connection](#)
3. [Setup Wireless Network](#)

Getting Your Internet Running

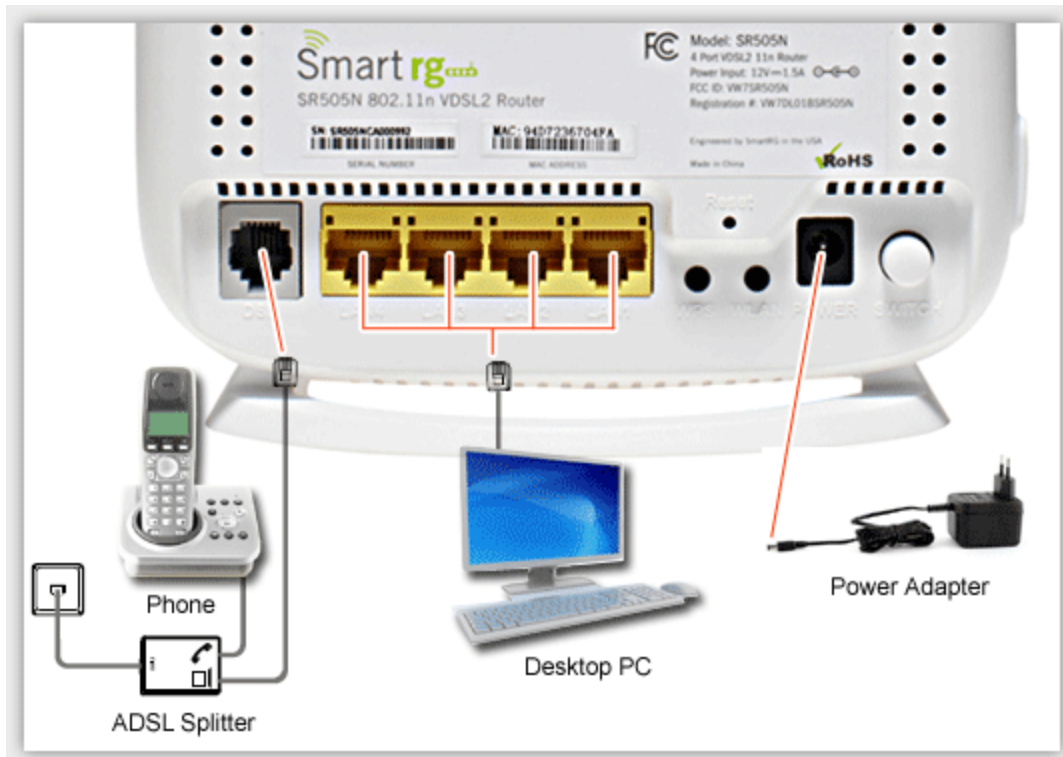
Check your modem package contents. It should contain the items shown here:



Front Panel LED Explanation



Connect Your Modem



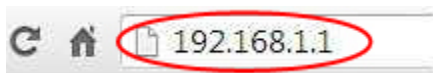
Refer to your modem user guide or follow the below steps:

1. Connect the power supply to the modem and plug it in.
2. Connect the phone cord to the modem and plug into the phone wall jack. (There should be no surge suppressors or DSL filters on this line.)
3. Connect the network cable to the modem and then into the Ethernet port on your computer.
4. Turn the power on and wait for approximately one minute.
5. The DSL/ADSL/SYNC light should now be solid on.
6. Contact us if you have any question.

Before Setup - Reset your modem & unplug modem

Connect your computer to the modem with Network Cable

Press and hold Reset Button for 5-10 seconds on the modem back side. After that, unplug modem for 10sec Then, open a web browser, type: **192.168.1.1** into Address bar and **ENTER**



Click "Manage Gateway (advanced)" for setup Modem

Click "Manager gateway (advanced)"

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 --

Login Page (for modem only)- By default, User Name:admin & Password: admin

User Name **— Enter**

Password **— Enter**

Save this password in your password list

Modem Home Page, Click "Advanced Setup" for setting your modem



click

- Device Info
- Advanced Setup**
- 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:	SmartRG
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 18M 23S
System Base MAC Address:	00:23:6a:16:9b:97

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:	

Step 1: After Click Advanced Setup->Click "WAN Service". Then, Click "Edit" Button at 2nd row

Wide Area Network (WAN) Service Setup

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

Interface	Description	Type	VlanID21p	VlanMadd	Igmp	NAT	Firewall	IPv6	Mld	Remove	Edit	Reset
ppp1.1	pppoe_0_0_35	PPPoE	N/A	N/A	Disabled	Enabled	Enabled	Disabled	Disabled	<input type="checkbox"/>	Edit	Reset
ppp0.1	pppoe_0_1_1_35	PPPoE	1	35	Disabled	Enabled	Enabled	Disabled	Disabled	<input type="checkbox"/>	Edit	Reset

Buttons: Add, Remove

Annotations:
Step 1 - Click: Advanced Setup
Step 2 - Click: WAN Service
Step 3 - Click 2nd row "Edit" Button

Step 2: Input your Internet World-link Username and Password, Then change MTU size to 1442 & click next

- 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

PPP Username and Password

PPP usually requires that you have a user name and password to establish ISP has provided to you.

PPP Username: **←Enter UserID from World-Link**

PPP Password: **←Enter Password from World-Link**

PPPoE Service Name:

Authentication Method:

Link Control Protocol

LCP Keepalive Period (s):

LCP Retry Threshold:

Dial on demand (with idle timeout timer)

Advanced DMZ

Non DMZ IP Address:

Non DMZ Net Mask:

Use Static IPv4 Address

Retry PPP password on authentication error

Max PPP authentication retries (1-65536): (use 65536 to retry forever)

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]: **←Enter 1442**

Use Base MAC Address on this WAN interface:

←Click Next Button

Step 3: on Routing -- Default Gateway, do not change anything and Click next

Routing -- Default Gateway

Default gateway interface list can have multiple WAN interfaces : first being the highest and the last one the lowest priority if the V in again.

Selected Default Gateway Interfaces

ppp0.1



Available Routed WAN Interfaces

ppp1.1

Back

Next

Step 4: DNS Server Configuration, do not change anything and Click next

DNS Server Configuration

Select DNS Server Interface from available WAN interfaces OR enter static IPoE protocol is configured, Static DNS server IP addresses in **DNS Server Interfaces** can have multiple WAN interfaces served as the highest and the last one the lowest priority if the WAN interface is

Select DNS Server Interface from available WAN interfaces:

Selected DNS Server Interfaces

Available WAN Interfaces

ppp0.1 ppp1.1	->	
	<-	

Use the following Static DNS IP address:

Primary DNS server:

Secondary DNS server:

Back

Next

Step 5: Wan Setup - Summary and Click Apply/Save

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_0_0_35
Service Category:	UBR
IP Address:	Automatically Assigned
Service State:	Enabled
NAT:	Disabled
Full Cone NAT:	Disabled
Firewall:	Disabled
IGMP Multicast:	Disabled
Quality Of Service:	Disabled

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

Back

Apply/Save

Congratulations! Your Connection is up and running and you should be able to browse the internet.

Wireless Setup

Click Security at left side menu, and Click Save

Device Info
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 to active scans, set the wireless network name (also known as SSID) and restrict the channel set based on c
Click "Apply/Save" to configure the basic wireless options.

Enable Wireless **— Enable by default**

Enable Wireless Hotspot2.0 [WPA2 is required!]

Hide Access Point

Clients Isolation

Disable WMM Advertise

Enable Wireless Multicast Forwarding (WMF)

SSID:

BSSID: 00:23:6A:16:9B:99

Country:

Max Clients:

Wireless - Guest/Virtual Access Points:

Enabled	SSID	Hidden	Isolate Clients	Disable WMM Advertise	Enable WMF	Enable HSPOT	Max Clients	BSSID
<input type="checkbox"/>	<input type="text" value="Guest"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox" value="[wpa2!]"/>	<input type="text" value="128"/>	N/A
<input type="checkbox"/>	<input type="text" value="Guest1"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox" value="[wpa2!]"/>	<input type="text" value="128"/>	N/A
<input type="checkbox"/>	<input type="text" value="Guest2"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox" value="[wpa2!]"/>	<input type="text" value="128"/>	N/A

Click Wireless at left side menu, choose WPA2-PSK on Network Authentication, Click here to display wireless password key; you can also customize your own password key and Click Save

- Device Info
- Advanced Setup
- Wireless
 - Basic
 - Security** *Click*
 - MAC Filter
 - Wireless Bridge
 - Advanced
 - Station Info
- Diagnostics
- Management

Wireless -- Security

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 disabled

WPS Setup

Enable WPS

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. Click "Apply/Save" when done.

Select SSID:

Network Authentication:

WPA/WAP1 passphrase: [Click here to display](#)

Use base MAC address as WPA/WAP1 passphrase


Wireless Password Key

WPA Group Rekey Interval:

WPA/WAP1 Encryption:

WEP Encryption: