

## Steps to Changing Wireless Channels on SmartRG SR505N

### Summary of Configuration Information and Changes

Modem Login Page: **192.168.1.1**

Modem Administrator User Name: **admin**

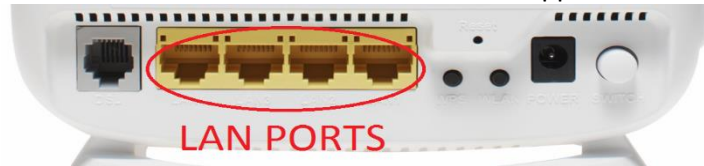
Modem Administrator Password: DSL password (Default is password, if you reset modem)

Where to go in Menu: [Wireless] > [Advanced]

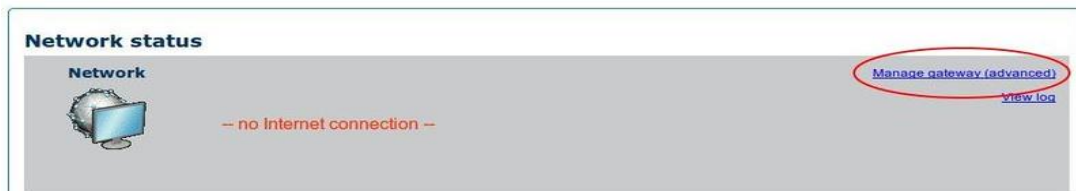
Changes:

- [Channel]: Switch from [Auto] to Least Congested Channel (Usually 3,4, 8 or 9)
- [Channel Width]: Set to [20Mhz]

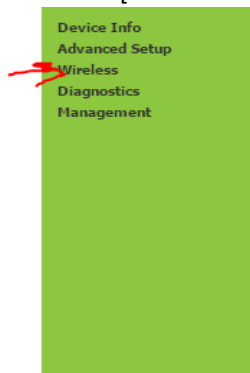
1. Using an Ethernet cable plug into one of the yellow Local Area Network Ports at the back of the SmartRG SR505N modem. Connect to the Local Area Network (NCF\_XXXX) on your computer. Your computer should indicate an Ethernet connection as opposed to a wireless one.



2. Open an Internet browser on your computer (Google Chrome, Mozilla Firefox, Safari or Internet Explorer) and connect to the modem by typing **192.168.1.1** in the address bar.
3. Click on the "Manage Gateway(Advanced)" Log in to the Administrative Account  
Username: **admin** Password: DSL password (Default is password, if you reset modem)



4. From the [Device Info] page, navigate to [Wireless] menu option on the left.

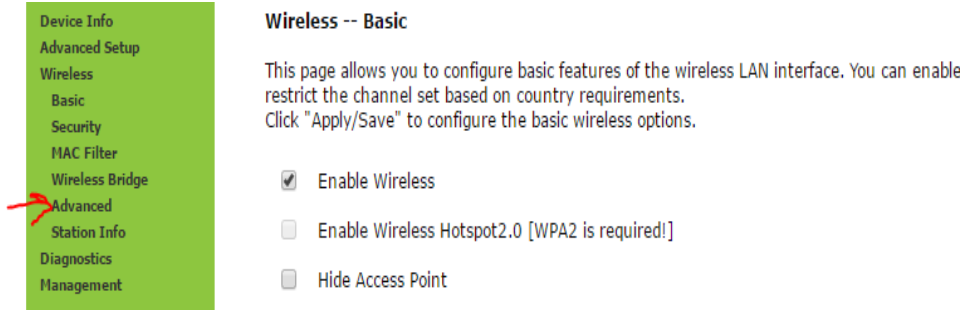


#### Device Info

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:	Gentek
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 14H 25M 52S
System Base MAC Address:	00:23:6a:11:22:33

5. Click on the [Advanced] submenu link on the left hand side, under the Wireless Options

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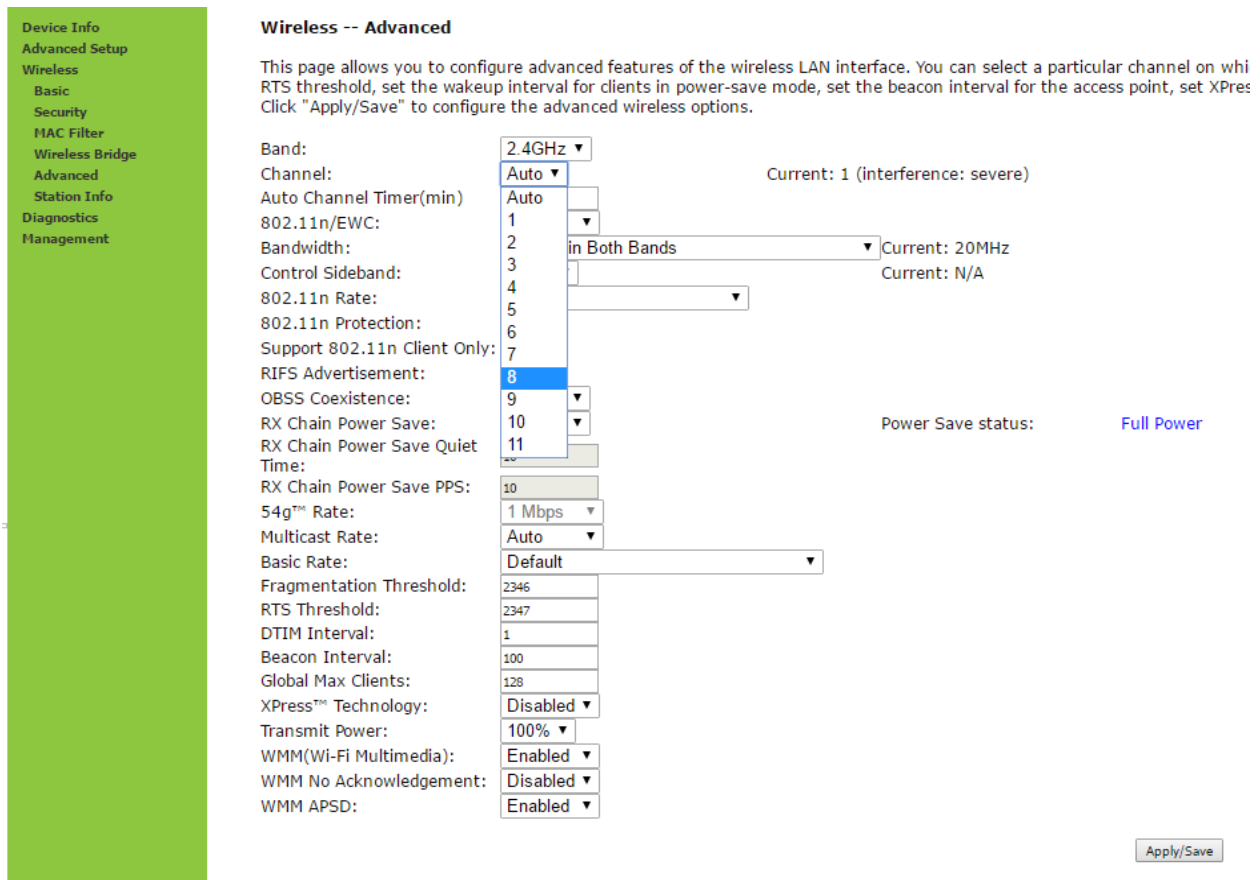


**Wireless -- Basic**

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

- Enable Wireless
- Enable Wireless Hotspot2.0 [WPA2 is required!]
- Hide Access Point

- On the [Wireless Advanced Settings] page, make the following changes:
  - [Channel:] change from [Auto] to channel with the least interference as determined by your wireless interference tests. Try 3,4, 8 or 9
  - [Channel Width:] change from [Auto] to 20mhz



**Wireless -- Advanced**

This page allows you to configure advanced features of the wireless LAN interface. You can select a particular channel on whi RTS threshold, set the wakeup interval for clients in power-save mode, set the beacon interval for the access point, set XPres Click "Apply/Save" to configure the advanced wireless options.

Band: 2.4GHz

Channel: Auto Current: 1 (Interference: severe)

Auto Channel Timer(min): Auto

802.11n/EWC: 1

Bandwidth: 20MHz Current: 20MHz

Control Sideband: in Both Bands Current: N/A

802.11n Rate: 4

802.11n Protection: 5

Support 802.11n Client Only: 7

RIFS Advertisement: 8

OBSS Coexistence: 9

RX Chain Power Save: 10

RX Chain Power Save Quiet Time: 10

RX Chain Power Save PPS: 10

54g™ Rate: 1 Mbps

Multicast Rate: Auto

Basic Rate: Default

Fragmentation Threshold: 2346

RTS Threshold: 2347

DTIM Interval: 1

Beacon Interval: 100

Global Max Clients: 128

XPress™ Technology: Disabled

Transmit Power: 100%

WMM(Wi-Fi Multimedia): Enabled

WMM No Acknowledgement: Disabled

WMM APSD: Enabled

Power Save status: Full Power

Apply/Save

### Notes:

- Wireless channels shouldn't have to be changed often (more than once every 6-12 months). If you find yourself making these changes too frequently, you may have to invest in a mid to high end router with additional channels on the 5Ghz frequency. Contact NCF for recommendations if needed.