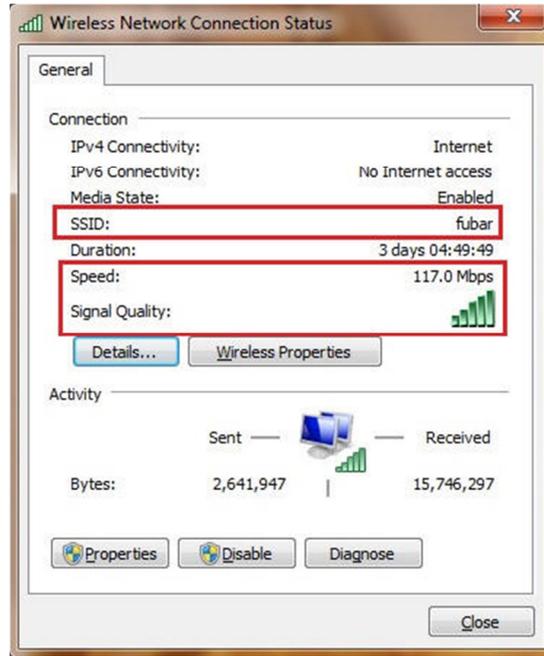


How to get 802.11n 300Mb speed rate in the DSR-Series

Problem Description:

In some cases, the speed may not reach the 300Mb with the 802.11n default setting.

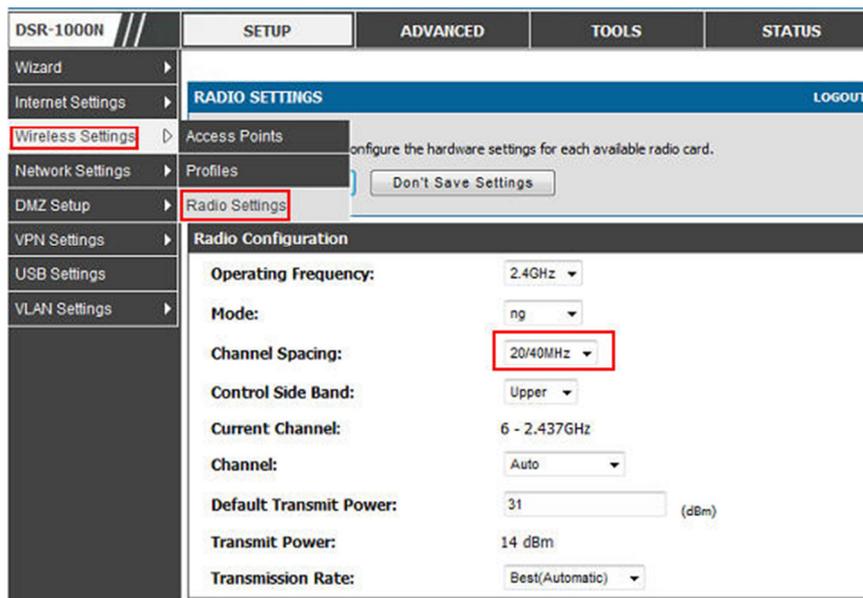
E.G.



Solution:

We can modify some settings in the DSR to fix this problem, in the below steps we used the DSR-1000N but the settings are the same for the DSR-500N.

Step 1) Login to the DSR-1000N. If you are unsure on how to do this please refer to the guide on accessing the DSR-1000N. Once in the unit, access **Wireless Settings > Radio Settings**. Change the Channel Spacing to **20/40MHz** then click **“Save settings”** at the top of the page.



Step 2) Click on **Wireless Settings > Profiles**, Next to the Profile name **tick** the box, then click **“Edit”**

PROFILES						LOGOUT
A profile is a grouping of wireless settings which can be shared across multiple APs. AP specific settings are configured on the Access Point Configuration page. The profile allows for easy duplication of SSIDs, security settings, encryption methods, client authentication, etc. across APs.						
List of Profiles						
<input type="checkbox"/>	Profile Name	SSID	Broadcast	Security	Encryption	Authentication
<input checked="" type="checkbox"/>	default1	DSR-1000N_1-ben...	✓	WPA+WPA2	TKIP+CCMP	PSK
		<input type="button" value="Edit"/>	<input type="button" value="Delete"/>	<input type="button" value="Add"/>		
<input type="button" value="Edit"/>						

Step 3) Under Security set it to WPA-WPA2, and set the Encryption to **“TKIP+CCMP”**, Authentication to **“PSK”** then under WPA Password enter in a password (Will be needed when a client tries to connect to the DSR-1000N). Once done, click **“Save Settings”**.

The screenshot displays the DSR-1000N web interface. The left sidebar shows the navigation menu with 'Wireless Settings > Profiles' selected. The main content area is titled 'PROFILES' and includes a 'LOGOUT' link. Below the header is a description of profiles. A table lists the 'default1' profile with its settings. Below the table are 'Edit', 'Delete', and 'Add' buttons. The 'Profile Configuration' section is expanded, showing fields for Profile Name, SSID, Broadcast SSID, Security, Encryption, Authentication, WPA Password, and Enable Pre-Authentication. The 'WEP Index and Keys' section is also visible, showing fields for Authentication, Encryption, WEP Passphrase, and four WEP Keys.

Step 4) Connect to the DSR unit and check the speed, you should notice that the speed is now 300Mbps. If your PC is some distance from the DSR, please move the PC to the same room as the DSR or move the DSR to the same room as the PC. This is just a test as will help to make sure that the unit has been setup correctly.

