

Bridge DG834G v3 to WGR614 v9

IT WORKS

Here's some notes about my setup for future googlers

- I can confirm that 64 bit WEP works. so use the MAC based Restricted Access Lists to bolster security
- WGR614 V9 as "Master Router" connected to cable modem set up as follows
 - 192.168.1.1
 - Set up wireless access point as you normally would in Wireless Settings, mine are "MY_SSID", Channel 2, b+g mode, 64-bit WEP with hex key (rather than pass phrase)
 - Enter any laptop wifi MAC addresses in the "Client Access List" here to allow them and make sure it's set to restrict them
 - Set DHCP range to 192.168.1.10 to 192.168.1.127 (my preference) in "Lan Settings"
 - go to Wireless Bridging and Repeating menu option
 - Set "Enable Wireless Repeating Function"
 - Set as "Wireless Base Station"
 - DO NOT check the "Disable Wireless Client Association" if you want to be able to use laptop wifi
 - Enter the mac address of your "Slave Router" here

Make sure all of the above is applied and has stuck, i had a habit of setting some things then clicking to a sub-menu before clicking apply, always scroll down and click apply before drilling into sub options!

- DG834G V3 : "Slave Router"
 - Get latest firmware as earlier v3 firmware doesnt support WDS
 - 192.168.1.2
 - Enable Wireless Settings and set to exact same as "Master Router" including 64 bit WEP key and MAC access list for laptops etc
 - Disable DHCP in Basic Setup (I think)
 - "Advanced Wireless Settings" menu option
 - "Enable Bridging and Repeating"
 - Select the "Wireless Bridge With Client Association" (or similar) option
 - Enter the "Master Router" MAC address here

Again, double check everything has stuck, that the "normal" wireless settings for both routers are identical and reboot both (in either order worked for me but booting the Master first is probably best practise)

I can confirm that wired and wireless connections worked on both routers - meaning WDS works for these Netgear routers as both Bridge AND Repeater and that DHCP worked for both wired and wireless too with 192.168.1.1 set as Gateway (192.168.1.2 slave router will be transparent to your devices)