

### Bonded DSL Windstream Modems

When running one router behind another in a configuration commonly known as 'Cascaded router', it is important to realize that unless some configuration changes are applied to the ISP-supplied router, it is effectively 'hiding' the IQrouter and certain services, like Skype port-forwarding, can't work and can diminish the call quality of Skype. Likewise many gaming systems require that certain ports forward traffic to the console. If 'hidden' behind another router, this can't occur.

The way to deal with this is to tell the first router to pass all traffic not directly targeted at it on to the IP (or MAC) address of the IQrouter.

This arrangement is often referred to as a DMZ (for DeMilitarized Zone), where if not other precautions are taken, that device is essentially 'on the internet'. But since an IQrouter is a secure, firewall-protected router in its own right, that's exactly what we want.

### IQrouter Setup with the Sagecom 4320 Bonded DSL Modem/Router

This one is simple, just plug a cable from the WAN/Internet port on the IQrouter into one of the yellow LAN ports of the 4320. Disconnect any other Ethernet cables from the 4320, we will re-connected them to the IQrouter when we are done with all the setup.

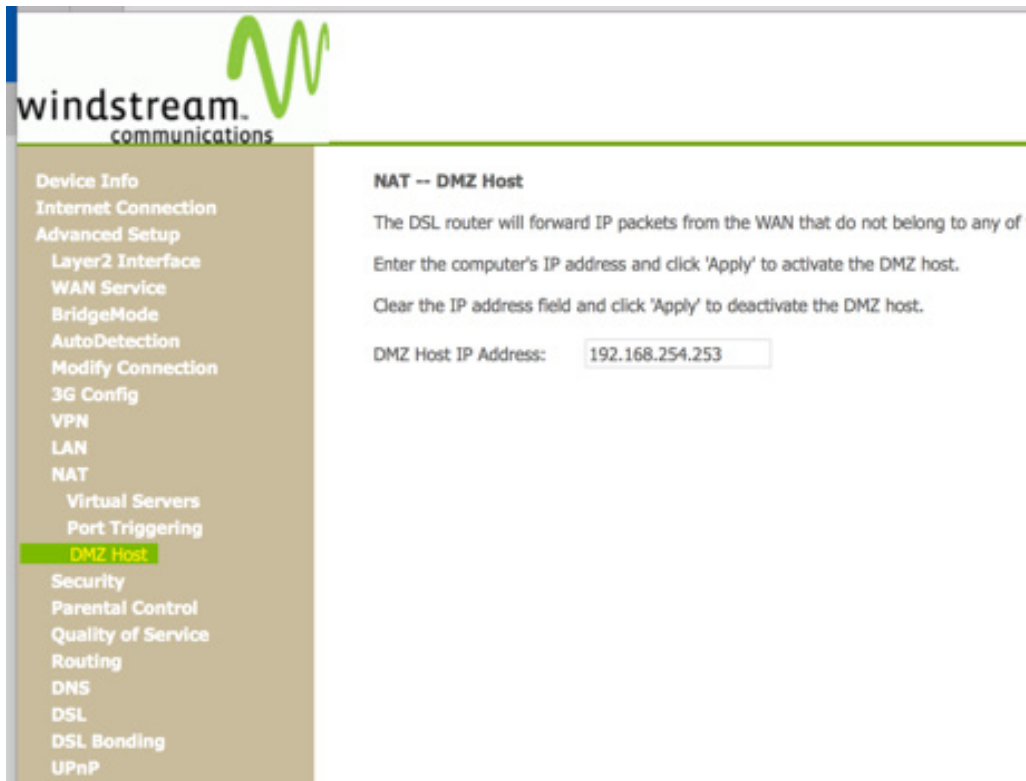
Go through the IQrouter setup Wizard, picking 'DSL', since we are on DSL.

It will auto-discover the connection to the internet, and create a path so your LAN clients can reach the admin UI of the 4320 .

One the wizard has completed, you need to perform one final step to ensure that the IQrouter gets all the traffic and handles the Wireless.

In the browser, go to the 4320 administrative interface at <http://192.168.254.254>, the default user/ password is admin/admin

In the 4320 GUI, we will go to Advanced Setup->NAT->DMZ Host and enter the address of the IQrouters WAN port, which can be found on the Overview page of the IQrouter.



Remember to press the save button.

Then go to the Wireless menu, and turn off wireless. Hit save.

Reconnect any Ethernet cables you might have unplugged from the 4320, and plug them into the LAN ports of the IQrouter.

On your wireless devices, you will need to re-enroll them with the IQrouters WiFi.

That's it; you should now be able to use services like Skype that use port-forwarding schemes to improve speed and quality of VoIP.

