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## How do i setup my netgear router as a repeater

By Steve McDonnell When you purchase a Netgear wireless router, you can remove it from the box, connect it to the Internet, plug it in and start using it right away. However, there are settings you should change on the router to establish security for your wireless network and for the router itself. You can access the router's settings by connecting a computer to the router and using an Internet browser to change them. Insert one end of an Ethernet cable into one of the ports labeled "1" through "4" on the back of the router. Insert the other end of the cable into the Ethernet port on a computer or laptop. Launch a browser on the computer. Type one of the following three URLs into the address bar in your browser and press "Enter" to access the router: , or . Type "admin" in the user name field of the login window and type "password" in the password field if you're setting the router up for the first time. Type the username and password you established for the router if you already configured it. Click "OK" to access the router's settings. Determine if you want to use the Setup Wizard if you're configuring the router for the first time. Select "Yes" to use the wizard or select "No" to go to the configuration menu. By Andy Walton | Hemera Technologies/AbieStock.com/Getty Images Your Netgear router features a comprehensive menu interface, allowing you to tweak many aspects of the router's operation. Although Netgear devices are designed to run with minimal configuration, exploring the more advanced aspects of your router's menu system is useful if you want to maximize its performance. In particular, settings such as dual band operation and Media Access Control filtering allow you to improve transfer rates while keeping your network free of unwanted users. Packet-switching networks such as the Internet break data into chunks known as "packets" before transmission. A router's Maximum Transmission Unit is the size of the largest packet that it can send. Selecting an MTU can be challenging, as although larger packets contain more data, they can destabilize the network. The optimum MTU size changes depending on the applications you are running. For example, Netgear recommends you reduce the MTU from its default value of 1500 to 1436 to get the best performance from a VPN connection. Find the MTU settings in the Advanced section of the Netgear menu. Changing channels helps to generate a clean wireless signal by avoiding frequencies that have a lot of local interference. You can change your router's wireless channel from the Wireless Settings menu. As a rule of thumb, try channels 1, 6 or 11, as these channels do not overlap each other on the frequency spectrum. Alternatively, some Netgear devices support dual band transmission. This causes the device to transmit in a completely different frequency band, and is an effective way of ensuring a clean signal. Media Access Control filtering is a method of restricting network access. With MAC filtering enabled, all network traffic is blocked except traffic from certain pre-approved MAC addresses. Turn this feature on from the Security tab of the Netgear menu. Although primarily a security feature, MAC filtering helps to improve network efficiency by ensuring that no unwanted devices can access the network. This in turn can produce speed benefits, as all available bandwidth is allocated to legitimate devices. A router's firmware is the built-in software that governs the device's operation. Netgear periodically releases firmware updates, some of which are intended to make its devices run faster or more efficiently. In addition, firmware updates are often used to patch security vulnerabilities that have been discovered since the router's release, making it important that you stay up to date with them. Check for firmware updates from within the Netgear menu by going to the "Administration" panel and clicking on "Firmware Update." By C. Taylor | Ethan Miller/Getty Images News/Getty Images The initial installation of your Netgear wireless router was comprised of a hardware and an optional software element. To fully uninstall your Netgear wireless router, you need to remove both of these. To remove the hardware, bypass the physical router so your computer connects directly to your Internet service provider's modem. Windows 7's Programs and Features can remove the Netgear software. However, this software is not required for proper router installation or setup, so this software may not have been installed, and therefore, it may not require removal. Unplug the Ethernet cable from the isolated port on the back of your Netgear wireless router. This port is usually colored yellow or set apart from the four numbered ports that are used for wired connections. If any computer makes a wired connection to the router via one of these ports, disconnect the Ethernet cables between the router and each computer. Plug the Ethernet cable from the modem directly to the Ethernet port on your computer to retain Internet connectivity on that single computer. Unplug the Netgear wireless router from the wall outlet to complete hardware uninstallation. Click "Start | Control Panel | Programs | Programs and Features." Click the "Netgear" software from the list of installed programs. If you cannot find this software in the list, it might not have been installed initially. Click "Uninstall" from the top toolbar and click "Yes" to the confirmation dialog to uninstall the Netgear software. Photo: istockphoto.comOnce you've grown accustomed to the wood router, the tool will fit naturally into your grasp. Initially, however, it may feel foreign indeed, quite unlike other tools you know and like. Wear ear protection, as well as safety glasses, since the tool tends to produce a considerable amount of noise.3 Ground Rules for Using a Wood RouterRule #1: Two-Hand the ToolUse both hands when running your router, that's the first rule. Which means that you must fix your workpiece securely onto a bench or other surface.Photo: istockphoto.comFold the router firmly until the motor reaches full speed. Keep the bit clear of the work-piece, as the rotation of the motor will make it want to spin out of your grip if it's in contact with wood at startup.Rule #2: Use the RotationWhen you look down at the top of the router, the motor turns in a clockwise direction. Use that to your advantage, moving from left to right on the edge facing you so that the rotation of the bit will draw the router into the cut.For routing the perimeter of a piece, work in a counterclockwise direction, when working on an interior cut, drive the machine clockwise.Rule #3: Listen to the ToolThe motor will "talk" as you use the tool. With some practice, you'll learn to recognize the sound of a groan (when you are pushing too hard, it means don't cut so much at a time) and the lonely squeal (when the blade spins at full speed with nothing to cut). There's a set of happier sounds in between, when the router is cutting its way at a measured, even pace.Photo: istockphoto.com3 Top Tips for DIY Project SuccessTip #1: Start with Straight EdgeWhen relying upon the pilot tip on a bit to guide your cut, make sure the workpiece has a straight or regular edge. If it doesn't, the shaped surface your router will make will reproduce any unevenness.If you're cutting dadoes or grooves, a straight piece of scrap stock can be clamped to act as a guide.Tip #2: Cutting End GrainWhen shaping only the ends of a workpiece, start at either edge and meet in the middle. If you're doing all four sides of the piece, do the sides first and then the end grain. This will avoid tearing out stock at the corners.Tip #3: Router Jigs, Guides, and TemplatesThe router is a remarkably versatile tool, and is made even more so when jigs or guides are used. Some are as simple as a piece of scrap clamped to the workpiece as a guideboard; commercially available jigs enable the router to make quick work of dovetails.Follower guides (a bushing mounted on the base, through which the bit passes) are also very useful in many applications, to protect the templates while still guiding the cut precisely. By ExtremeTech Staff on September 3, 2004 at 3:32 pm This site may earn affiliate commissions from the links on this page. Terms of use. Tips used for Top Tips come from the ExtremeTech forum and are written by our community. Question from Imanewbie "I have never config a Cisco router before, could anyone tell me where I can learn about it? Also, I would like to know what's the difference between, say, setup Cisco 1721 router and Netgear WGT624 router???" Answer from nicknomo "Cisco routers have a built in operating system that allows for a greater degree of configuration, aiding it's deployment in a network. Some routers (not the one you inquire about) have open slots, where you can put different interface cards in. This allows for different configurations.Cisco equipment often has more powerful routing capability than your average home router. They are also somewhat more reliable (although some home routers are indeed VERY reliable, and experience no down time as well).If just for home use, or single LAN use off of a cable connection, you do not need anything more than a home router. If you need to use a frame relay connection, or do anything not idiot proof, a Cisco router is a good choice." Answer from pentium4forever "A Cisco router is a big time a router that large corporations often use. I'm studying CCNA and got a few used Cisco 2500 routers off for practice and learning. Netgear is just an ordinary router that will likely meet your needs. A Cisco router has the operating system, the IOS(Internetworking Operating System). There's much more to it than that and I would know after taking CCNA 2 class. Myself and Warlok29 here can tell you a little bit about Cisco routers. We both have taken CCNA 1 and 2 of Cisco's Networking Academy Program. You can learn more about Cisco routers on Cisco.com. Or do a google search. Cisco routers connection WANS and such, and they're hundreds of dollars new."Got a better answer? Post it in the discussion that generated this tip.

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