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Linksys wireless-g router wap54g manual

Steven Hill In the battle between N-capable wireless routers, Belkin and Linksys are both making some strong strides. Before you say goodbye to your hard-earned money from the network, you should compare the best offer of each company before deciding. Your final choice falls not only on your budget, but also on your home network needs and which router best meets them. Since its publication, Belkin's N750 wireless router has been the company's top wireless N router. This router carries the recommended price of \$ 129.99. It's compatible with Windows 7, Mac, and Wi-Fi devices. The N750 operates with 2.4 GHz bandwidth and can produce wireless networks using 802.11b, 802.11g and 802.11n standards. It supports a maximum of 16 wireless connections and can transmit data at 450 Mbps. Available encryption methods are 128-bit WEP, 256-bit WPA, 64-bit WEP, and WPA2. It also offers a WPS button function to increase security. Since publication, Linksys is the top available wireless N router's E4200. The recommended price for this device is \$ 189.99. It offers dual-band support that is capable of working at both 2.4 GHz and 5 GHz. Operating systems used with the device must be either Windows-based or Mac-based. Depending on the type of network, the router can transmit data up to 300 to 450 Mbps. It uses Linksys' SpeedBoost technology to create a more even Wi-Fi signal strength. The encryption methods used by this router include WPA and WPA2. There are some notable differences between the high-end N wireless routers offered by Belkin and Linksys. The N750 offers support for multiple types of Wi-Fi networks where the E4200 seems to only support wireless N. E4200 can operate at two different bandwidths, however, where the N750 only works at 2.4 GHz. If you use multiple wireless access points at home, using one band can lead to interference. The Belkin unit offers a lower point price, coming in at \$50 cheaper than its rival Linksys. You should consider a few things before you commit to one product. If you have a budget, maybe the Belkin unit is for you. If you have more than one wireless access point at home, it can spend more on dual-band support with Linksys, which can save you headaches with your home network. If you have a network covering a large area, Linksys can be your solution. If simplicity is your thing, then Belkin's WPS security button gets you up and running faster and easier. From Ruri Ranbe Software, which comes with Linksys WRT120N includes a setup guide for both Mac and Windows. However, if you want advanced control over router configuration, you can set up your device using a browser-based tool. After you install the router in your modem, you can access the connection setup tool, assign a name and password to the network, and your device's administrator account. Disconnect the modem from the power source and connect one end of the Ethernet cable to the Internet port on the back of the router. Connect the other end of the cable to the Ethernet port or 1000BASE-T on the back of the modem. Connect one end of the Ethernet cable to one of the blue color ports on the back panel of the WRT120N. Insert the other end of the cable into the Ethernet port on your computer. Connect the modem and wrt120N to power. Open the browser and type (omit quotation marks) in your address bar to access the router's browser-based configuration tool. Type admin in the Password box, leave the Username field blank, and then click OK to sign in to your Linksys device. The Basic Settings screen appears. Click the Internet Connection Type drop-down menu, and then select Automatic Configuration - DHCP for Broadband Cable or PPPoE for DSL. Enter your account credentials, if applicable. Click Save Settings. Select Wireless, and then click the Basic Wireless Settings button from the menu bar. Click Manual. In the Network Name (SSID) box, type a unique network name, and then click Save Settings. Choose Wireless Security from the menu bar, and then change the security mode from Disabled to WPA2 Personal. In the Passp password box, type a security key consisting of 64 hexadecimal characters or eight to 63 alphanumeric characters. Click Save Settings, select Manage, and then type a new administrator password in the Router Password box. Re-enter the password in the appropriate box, and then click Save Settings to complete the Linksys WRT120N settings. By Zyon Silkett instead of throwing away or storing an old Linksys router, set it as a switch, also known as a repeater. In doing so, you have the ability to hard-wire seven computers to the network and effectively double the size of the wireless network. After making several changes to the basic input and output system of the router or in the BIOS via the graphical user interface, you will be in operation with a very powerful network. Major reset of linksys router to avoid complications with any past changes to BIOS settings such as filtering, bridge or service set identifier or SSID broadcast. To reset, connect the router to the power supply and place the pin in the reset hole located on the back of the router. Hold the pin in place until the lights flash. Not only does it reset the router's BIOS, but it also resets the user interface of username and password management. Connect the router to your computer by connecting an Ethernet cable to the LAN port located on the back of the router. Plug the other end of the Ethernet cable into the Ethernet port on the back of your computer. In the address bar of your web browser, type 192.168.1.1 a stisknĕta tĕaĕtko Enter Enter When the verification box appears, type the admin into the user passwords and press enter on the keyboard. If the default information does not work, skip the password and try again. Some Linksys routers use the default password and some do not. Go to the Basic Settings page and disable the dynamic host configuration log or DHCP server. This prevents the router from routing IP addresses to devices on the network. Because this task is left on the main router on the network, turn it off on this router to avoid connectivity issues. If the main router on the network is also a Linksys router, or if it has the same IP address, change the local IP address to a different address than the current address. For example, if both routers are Linksys, change the IP address from 192.168.1.1 to 192.168.1.2. Each device must have a unique IP address to avoid network conflicts. Click Wireless and change the SSID to match the network name on the main router. Therefore, if you named the SSID network on the main router on the eHow Rules, change the SSID on that router to eHow Rules. Click Wireless Security and change your passphrase to match the access phrase used on the main router. If you do not secure the network, skip this step. Click Update Settings to save bios changes to the router. Disconnect the Ethernet cable from your router and computer. Connect the Ethernet cable to the number one LAN port located on the back of the main router. Connect the other end to the WAN lines port that you converted to a repeater. Upgrading your router can increase wireless speed, especially if you're streaming high-definition videos or playing games online. Buying a newer model can also improve wireless coverage so you can watch and play anywhere in your home or office. Our current favorite is the Netgear Nighthawk RAX50 AX5400, and that's because it packs tons of great features into a device that remains very affordable. Along with our favorite, we reviewed and compared some of the latest models to pick the best wireless routers you can buy right now. Check out the recommendations below to get a better idea of which device fits your needs. Whether you're looking for a Wi-Fi 6 Router, a budget-based alternative, or the best router for gaming, we have it all for you. Do you shop on a budget? We also rounded up the best wireless router deals available now. Best wireless routers at a glance Best wireless router: Nighthawk RAX50 AX5400 Why you should buy this: It is fully equipped, cost competitive and provides great speed. Who's it for: People who want the best new router for their homes. Why we chose netgear nighthawk rax50 ax5400: If you want a new router that will take years, it must be ready for 6 - formerly known as Wireless AX and 802.11ax - which brings new benefits and important changes. It's a huge step away from wireless AC (now Wi-Fi 5) and is backwardcompatible with all your current devices. Since our devices are capable of w-fi 6, our routers must also be upgraded. However, upgrades can be quite expensive. Fortunately, this six-stream Nighthawk router combines the latest Wi-Fi compatibility with a more affordable price than many alternatives. You can get a better version of the model, but this option is perfectly suited for the average home while providing excellent dual band speeds. There are four Gigabit Ethernet ports, along with a 1.5GHz three-core processor, USB connectivity, and WPA3 compatibility for the latest Wi-Fi security. The Nighthawk RAX50 AX5400 is also a very smart router. It offers beam shape and Smart Connect to make sure your devices get the attention they need without dead zones, plus OFDMA tech for the most efficient signals. It's even compatible with Amazon's Alexa if you ever want to control your Wi-Fi connection with voice commands - something parents can find at hand when, for example, they make sure their kids are studying. Best high performance router: TP-Link Archer AX6000 Why you should buy this: It offers Wi-Fi 6 connection without compromising performance. Who it is: Those who are ready to invest in the latest Wi-Fi technology. Why we chose the TP-Link Archer AX6000: Like our first pick, this model supports Wi-Fi 6 - but offers a performance upgrade for those who want to push their routers to do even more. The Archer AX6000 is an excellent dual-band wi-fi 6 router that gives speeds of up to 4,804 Mbps in the 5 GHz band and up to 1,148 Mbps in the 2.4 GHz band. Port-wise, it provides a USB-C port for charging and high-speed data transfer, along with nine Gigabit Ethernet ports. This router also includes proprietary technology, such as software that moves devices between bands when one band is too crowded. Alexa compatibility is also available, so you can perform basic network management actions using voice commands. Many router manufacturers already offer Wi-Fi 6 models, but the TP-Link Archer AX6000 is particularly versatile. The easiest wireless router to use: Google Nest WiFi John Velasco / Digital Trends Why you should buy this: It creates a powerful network, ideal for larger houses. For anyone who needs a large, unified network. Why we chose Nest WiFi: Google Nest WiFi is an excellent example of a network router where multiple nodes connect to form a wireless network with more and better coverage. The router itself covers 2,200 square feet, but you can bundle with one or two points to cover up to 5,400 square feet. It is ideal for large spaces or houses that struggle with heavy interference and Zones. Real Real the point is its ease of use, however. Unlike many other routers, Nest WiFi makes setting up and managing your home network very simple. More than that, each Google Wi-Fi unit also acts as a Google Assistant smart speaker that can play music and control your smart home device. The \$169 router unit includes two Ethernet ports tucked away in the tray on the underside - one for the modem and one for other wired devices such as a switch or desktop computer. The \$149 points do not have an Ethernet port, so all wired devices must be located near the router. It also means that you can't wire the router and point together for better throughput. You can buy a combo pack with Google Nest WiFi and one point for \$269 or a router and two points for \$349. Points can be earned in white, fog and sand colors. Best budget wireless router: TP-Link Archer C1200 Why you should buy this: Few routers can compete with the TP-Link Archer C1200 at this price. Who's for: Anyone who wants to expand their network on a budget. Why did we choose the TP-Link Archer C1200: Looking for a budget router? This \$68 model has everything you need without breaking the bank. It's ideal for a home that only needs a simple clean connection to check email, browse and stream light media. The TP-Link Tether app is one of the better router apps for mobile devices, which means that setting up and managing your router shouldn't be a hassle. The router itself is equipped with dual-band speeds of ac1200 class (300 Mbps at 2.4 GHz and 867 Mbps in the 5 GHz band), two USB ports and gigabit Ethernet ports. While these specifications are not earth-shaky, they are important basics you need for a good wireless connection. If you're planning to stream 4K content or perform other data-intensive tasks, you might want to consider a more powerful model, but the TP-Link Archer C1200 is an excellent choice for saving money while providing Wi-Fi for all basic tasks. Best Gaming Router: Netgear Nighthawk Pro Gaming XR500 Why you should buy this: It prioritizes gaming services and game data for best results. Who's for: Players and anyone who wants the fastest network possible. Why we chose Netgear Nighthawk Pro Gaming XR500: This AC2600-class router supports speeds of up to 800Mbps in the 2.4GHz band and up to 1.733 Mbps in the 5GHz band. The XR500 includes a 1.7 GHz processor and four Gigabit Ethernet ports. It prioritizes gaming connectivity and optimizes connectivity for low ping gaming on more edgy shooters. It also helps you connect to a gaming VPN for additional security or regional capabilities. And that's just the beginning. The XR500 also gives you more direction adjustments and connection monitoring. It still has options such as geo-filtering that allow you to choose your favorite servers (where a VPN will come in in case again). More More is an application option for monitoring ping and network status in real time, device by device. The XR700 is a newer and of course better model, but it costs almost twice as much as the Netgear Nighthawk Pro Gaming XR500. Going big with a gaming router upgrade is a no-brainer if you can afford the higher cost of the XR700. If not, the XR500 is still a solid choice that won't disappoint. Knowing what to look for is crucial when upgrading your router. Our guide covers the latest models for home use, business apps and gaming, from budget options to other cutting-edge models. Time for your research will help you choose the best match for your needs (and wallet). Editor's recommendations