

# Access Free Absolute Beginners Guide To Wi Fi Wireless Networking Pdf Free Copy

**Hacking Wireless Networks For Dummies** Aug 07 2021 Become a cyber-hero - know the common wireless weaknesses "Reading a book like this one is a worthy endeavor toward becoming an experienced wireless security professional." --Devin Akin - CTO, The Certified Wireless Network Professional(CWNP) Program Wireless networks are so convenient - not only for you, but also for those nefarious types who'd like to invade them. The only way to know if your system can be penetrated is to simulate an attack. This book shows you how, along with how to strengthen any weakspots you find in your network's armor. Discover how to: Perform ethical hacks without compromising a system Combat denial of service and WEP attacks Understand how invaders think Recognize the effects of different hacks Protect against war drivers and rogue devices

**Wi-Fi Home Networking** Apr 22 2020 ·Describes the costs, benefits and necessity of networking ·Reviews software networking tools that save money for small-time operators ·Summarizes business expenses and savings to help a prospective user choose their office setup ·Offers criteria for deciding on distribution media ·Compares wireless versus wired connections ·Includes important, practical information about security, viruses, and backing up

**3G Wireless with 802.16 and 802.11** Jun 24 2020 The integration of 802.11 (Wi-Fi) and 802.16 (Wi-Max) into wireless networks is a major new potential revenue stream for service providers. This rigorous tutorial shows communications engineers how to re-engineer existing networks to integrate the new standards. Contents: Introduction \* Radio Engineering \* Network Engineering \* Digital Wireless Systems \* 802.11 \* 802.16 \* 802.20 \* Convergence Wireless Mobility

*Absolute Beginner's Guide to Wi-Fi Wireless Networking* Feb 25 2023 Provides information on wireless networking, covering such topics as 802.11 standards, hotspots, and setting up a wireless network.

Build Your Own Wi-Fi Network Mar 02 2021 This guide explains how professional and home users can take advantage of Wi-Fi to achieve their mobility goals around the house or in the office. It features step-by-step processes, tips, sidebars, illustrations and screenshots to convey information visually. Readers will learn about the components of a wireless network including access points, and network cards. Plus how to choose, install and configure them for use in a new or existing network.

**Wireless Networks For Dummies** Oct 09 2021 You've probably heard the expression, "It's time to cut the cord." Well, it may be time to "cut the cables" at your office and free yourself from your desk and computer. Wireless networks are the waves of the future—literally. *Wireless Networks For Dummies* guides you from design through implementation to ongoing protection of your system and your information so you can: Remain connected to the office in airports and hotels Access the Internet and other network resources in the lunchroom, conference room, or anywhere there's an access point Use your PDA or laptop to query your database from the warehouse or the boardroom Check e-mail wirelessly when you're on the road Get rid of the cable clutter in your office *Wireless Networks For Dummies* was coauthored by Barry D. Lewis, CISSP, and Peter T. Davis, who also coauthored *Computer Security For Dummies*. Barry Lewis is president of an information security consulting firm and an internationally known leader of security seminars. Peter Davis is founder of a firm specializing in the security, audit, and control of information. Together, they cut through the cables, clutter, and confusion and help you: Get off to a quick start and get mobile with IrDA (Infrared Data Association) and Bluetooth Perform a site survey and select the right standard, mode, access point, channel and antenna Check online to verify degree of interoperability of devices from various vendors Install clients and set up roaming Combat security threats such as war driving, jamming, hijacking, and man-in-the-middle attacks Implement security and controls such as MAC (Media Access Control) and protocol filtering, WEP (Wireless Equivalent Privacy), WPA, (Wi-Fi Protected Access), EAP (Extensible Authentication Protocol), and VPN (Virtual Private Network) Set up multiple access points to form a larger wireless network Complete with suggestions of places to get connected, Web sites where you can get more information, tools you can use to monitor and improve security, and more, *Wireless Networks For Dummies* helps you pull the plug and go wireless!

Wi-Fi Enabled Healthcare Feb 13 2022 Focusing on the recent proliferation of Wi-Fi in hospital systems, this book explains how Wi-Fi is transforming clinical work flows and infusing new life into the types of mobile devices being implemented in hospitals. Drawing on years of consulting with hospitals in the US and abroad, and with first-hand experiences from one of the largest healthcare systems in the United States, it covers the key areas associated with wireless network design, security, and support. Reporting on cutting-edge developments and emerging standards in Wi-Fi technologies, the book explores security implications for each device type. It covers real-time location services and emerging trends in cloud-based wireless architecture.

The Innovation Journey of Wi-Fi Sep 27 2020 Wi-Fi has become the preferred means for connecting to the internet - at home, in the office, in hotels and at airports. Increasingly, Wi-Fi also provides internet access for remote communities where it is deployed by volunteers in community-based networks, by operators in 'hotspots' and by municipalities in 'hotzones'. This book traces the global success of Wi-Fi to the landmark change in radio spectrum policy by the US FCC in 1985, the initiative by NCR Corporation to start development of Wireless-LANs and the drive for an open standard IEEE 802.11, released in 1997. It also singles out and explains the significance of the initiative by Steve Jobs at Apple to include Wireless-LAN in the iBook, which moved the product from the early adopters to the mass market. The book explains these developments through first-hand accounts by industry practitioners and concludes with reflections and implications for government policy and firm strategy.

*Wi-Fi Enabled Healthcare* Oct 17 2019 Focusing on its recent proliferation in hospital systems, *Wi-Fi Enabled Healthcare* explains how Wi-Fi is transforming clinical work flows and infusing new life into the types of mobile devices being implemented in hospitals. Drawing on first-hand experiences from one of the largest healthcare systems in the United States, it covers the key areas associated with wireless network design, security, and support. Reporting on cutting-edge developments and emerging standards in Wi-Fi technologies, the book explores security implications for each device type. It covers real-time location services and emerging trends in cloud-based wireless architecture. It also outlines several options and design consideration for employee wireless coverage, voice over wireless (including smart phones), mobile medical devices, and wireless guest services. This book presents authoritative insight into the challenges that exist in adding Wi-Fi within a healthcare setting. It explores several solutions in each space along with design considerations and pros and cons. It also supplies an in-depth look at voice over wireless, mobile medical devices, and wireless guest services. The authors provide readers with the technical knowhow required to ensure their systems provide the reliable, end-to-end communications necessary to surmount today's challenges and capitalize on new opportunities. The shared experience and lessons learned provide essential guidance for large and small healthcare organizations in the United States and around the world. This book is an ideal reference for network design engineers and high-level hospital executives that are thinking about adding or improving upon Wi-Fi in their hospitals or hospital systems.

*Wi-Fi Technologies and Applications* Oct 29 2020 Wi-Fi has become the mainstream technology for fixed and mobile operators, as well as the retail and hospitality industry in meeting business challenges. Wi-Fi data rates and spectral efficiencies have continued to improve over the past two decades. This book covers the foundational principles of Wi-Fi, including the latest technologies and applications. It is the first book to discuss the technical details of the emerging 802.11ax amendment and provide a comparative assessment of 802.11ac and 802.11ax. The book also describes practical issues in Wi-Fi performance optimization and LTE-unlicensed coexistence. More specifically, it covers orthogonal frequency division multiple access, multi-user multi-antenna technologies, beamforming protocols, dynamic channel switching, operating range versus rate tradeoffs, Internet of Things (802.11ah), cognitive radio (802.11af), and challenging Wi-Fi deployments such as large-scale mesh networks, long-range point-to-point networks, unmanned aircrafts, drones and flying hotspots, naval sensors and sonobuoys, undersea environmental monitoring, communicating balloons, and location management systems. As you will discover, Wi-Fi technologies are never standing still but constantly evolving. At the same time, Wi-Fi applications are becoming more pervasive and diverse than before.

**802.11 Wireless Networks** Oct 21 2022 As we all know by now, wireless networks offer many advantages over fixed (or wired) networks. Foremost on that list is mobility, since going wireless frees you from the tether of an Ethernet cable at a desk. But that's just the tip of the cable-free iceberg. Wireless networks are also more flexible, faster and easier for you to use, and more affordable to deploy and maintain. The de facto standard for wireless networking is the 802.11 protocol, which includes Wi-Fi (the

wireless standard known as 802.11b) and its faster cousin, 802.11g. With easy-to-install 802.11 network hardware available everywhere you turn, the choice seems simple, and many people dive into wireless computing with less thought and planning than they'd give to a wired network. But it's wise to be familiar with both the capabilities and risks associated with the 802.11 protocols. And 802.11 Wireless Networks: The Definitive Guide, 2nd Edition is the perfect place to start. This updated edition covers everything you'll ever need to know about wireless technology. Designed with the system administrator or serious home user in mind, it's a no-nonsense guide for setting up 802.11 on Windows and Linux. Among the wide range of topics covered are discussions on: deployment considerations network monitoring and performance tuning wireless security issues how to use and select access points network monitoring essentials wireless card configuration security issues unique to wireless networks With wireless technology, the advantages to its users are indeed plentiful. Companies no longer have to deal with the hassle and expense of wiring buildings, and households with several computers can avoid fights over who's online. And now, with 802.11 Wireless Networks: The Definitive Guide, 2nd Edition, you can integrate wireless technology into your current infrastructure with the utmost confidence.

Wi-Fi and the Bad Boys of Radio Nov 22 2022 At 36,000 feet, Wi-Fi converts our airline seats to remote offices. It lets us read email in airports, watch video in coffee shops, and listen to music at home. Wi-Fi is everywhere. But where did it come from? Wi-Fi and the Bad Boys of Radio takes us back to when the Internet was first gaining popularity, email took ten minutes to load up, and cell phones were big and unwieldy. But Alex Hills had a vision: people carrying small handheld devices that were always connected. His unwavering purpose was to change the way we use the Internet. After being a teenage "ham operator" and bringing radio, TV and telephone service to the Eskimos of northern Alaska, Dr. Hills led a small band of innovators to overcome "the bad boys of radio" - the devilishly unpredictable behavior of radio waves - and build the network that would become the forerunner to today's Wi-Fi. "I know of no one so capable of telling the Wi-Fi story and explaining so clearly how the technology works. Alex Hills is certain to capture the public imagination with this new book." Jim Geier, Principal Consultant, Wireless-Nets, Ltd. and Wi-Fi author "Alex Hills has contributed to the developing world and to developing advanced wireless technology at one of the world's most tech-savvy universities. Working on both frontiers, Dr. Hills pioneered wireless Internet and launched a revolution in the way the world communicates. His story of how we "cut the cord" begins in a place where there were no cords to begin with -- remote Alaska." Mead Treadwell, Lieutenant Governor of Alaska and former Chair, United States Arctic Research Commission Alex Hills is Distinguished Service Professor of Engineering & Public Policy and Electrical & Computer Engineering at Carnegie Mellon University. Dr. Hills is frequently invited to speak at conventions, conferences, university seminars, corporate training sessions, and community events. His talks, with their vivid stories and clear explanations of technology, have been well-received by audiences throughout the United States and in more than twenty foreign countries. An inventor with eleven patents, Dr. Hills can write and speak in technical jargon. But in his writing, as in his talks, he speaks to everyone -- technical specialists and the public alike. People of all backgrounds have been fascinated by his contributions to Scientific American and IEEE Spectrum magazines -- articles that explain technology in a style that is clear to any reader.

**How Wi-Fi Works** May 04 2021 This essential volume explores the invisible world behind wireless computer technology. From our homes and workplaces to public coffee shops, Wi-Fi has changed how we connect to the internet and how we send and receive information. The Wi-Fi story spans from the discovery of radio waves to high-speed wireless connectivity. This book covers it all in a relatable and fun way that kids will enjoy.

**Wireless Networking Absolute Beginner's Guide** Sep 08 2021 Make the most of your wireless network...without becoming a technical expert! This book is the fastest way to connect all your wireless devices, get great performance with everything from streaming media to printing, stay safe and secure, and do more with Wi-Fi than you ever thought possible! Even if you've never set up or run a network before, this book will show you how to do what you want, one incredibly clear and easy step at a time. Wireless networking has never, ever been this simple! Who knew how simple wireless networking could be? This is today's best beginner's guide to creating, using, troubleshooting, and doing more with your wireless network...simple, practical instructions for doing everything you really want to do, at home or in your business! Here's a small sample of what you'll learn: • Buy the right equipment without overspending • Reliably connect Windows PCs, Macs, iPads, Android tablets, game consoles, Blu-ray players, smartphones, and more • Get great performance from all your networked devices • Smoothly stream

media without clogging your entire network • Store music and movies so you can play them anywhere in your home • Keep neighbors and snoopers out of your network • Share the files you want to share—and keep everything else private • Automatically back up your data across the network • Print from anywhere in the house—or from anywhere on Earth • Extend your network to work reliably in larger homes or offices • Set up a “guest network” for visiting friends and family • View streaming videos and other web content on your living room TV • Control your networked devices with your smartphone or tablet • Connect to Wi-Fi hotspots and get online in your car • Find and log onto hotspots, both public and hidden • Quickly troubleshoot common wireless network problems

Michael Miller is the world's #1 author of beginning computer books. He has written more than 100 best-selling books over the past two decades, earning an international reputation for his friendly and easy-to-read style, practical real-world advice, technical accuracy, and exceptional ability to demystify complex topics. His books for Que include *Computer Basics Absolute Beginner's Guide*; *Facebook for Grown-Ups*; *My Pinterest*; *Ultimate Digital Music Guide*; *Speed It Up! A Non-Technical Guide for Speeding Up Slow PCs*, and *Googlopedia: The Ultimate Google Resource*. Category: Networking Covers: Wireless Networking User Level: Beginning

**How Does Wi-Fi Work?** Dec 23 2022 This essential volume explores the invisible world behind wireless computer technology. From our homes and workplaces to public coffee shops, Wi-Fi has changed how we connect to the internet and how we send and receive information. The Wi-Fi story spans from the discovery of radio waves to high-speed wireless connectivity. This book covers it all in a relatable and fun way that kids will enjoy.

**Jeff Duntemann's Wi-Fi Guide** Jan 20 2020 The first edition of this book has quickly become the best-selling guide for Wi-Fi users around the world. Master technical author, Jeff Duntemann, makes tangled Wi-Fi technological issues very comprehensible. Jeff explains the blizzard of Wi-Fi concepts and standards, including the new 802.11g, the complex and fluky security issues, and shows users how to protect themselves from both obvious and non-obvious threats. He also covers the human element in the Wi-Fi movement, including hacker threats and Wi-Fi communities. Jeff's coverage of wardriving has been highly praised by many Wi-Fi experts and the top Wi-Fi Web sites. Many technical drawings clarify difficult concepts, with abundant Web pointers to further information. The book features numerous hands-on projects that can dramatically increase the performance of home and small business Wi-Fi systems. Some of the important and new topics covered in the book include: Money-saving Wi-Fi network design and implementation techniques Wi-Fi communities Access points and gateways Security and privacy Wireless security auditing with WarLinux and Kismet The art of wardriving How to create powerful low-cost antennas How to protect yourself against clever hackers

**Basic Wifi Hacking** Nov 29 2020 This book contains interesting information for those who are interested in Ethical hacking. This book is written from a hackers point of view, pentesting our most popular wireless communication in our home This book was created to help and teach beginners about WiFi-Hacking, this book contains some of my tutorials that I have written online, but also new material. This book covers most of the stuff beginners need to know before they succeed in this area. The examples in the book is equipped with images and the coverage from hardware, to encryption protocol presentation and further in to cracking/hacking and of cause introduction of my real life experience. This book is the second edition!

**How Secure is Your Wireless Network?** Jul 18 2022 A guide to implementing a realistic, successful game plan for safe and secure wireless LANs, this volume has step-by-step guidelines and best practices for deploying secure wireless LANs in an enterprise or home environment and also within community networks.

**Wireless Network Emulation with Mininet-WiFi** Jun 05 2021 Telecommunication networks are continually evolving and are deeply impacted by new technologies such as Software Defined Networking (SDN), Software Defined Wireless Networking (SDWN) and Network Functions Virtualization (NFV) paradigms. Research and solutions that explore new concepts, however, need to be tested in controlled environments, provide reliable results, and preferably have portability to physical network infrastructures. Thus, seeking to fill an important gap about experimenting with projects and research on wireless networks, the Mininet-WiFi emulator was developed. Also capable of emulating the wired medium, Mininet-WiFi can be used as a tool in the process of teaching computer networks for various levels of education and addressing multiple case studies including mobility, mesh and ad hoc networks, load balancing, security, quality. of Service (QoS), MultiPath TCP (MP-TCP), vehicular networks, IoT, P4, among others. This book takes an approach to the world of wireless networking with an emphasis on experimentation and case studies, which are separated at different levels of complexity, but always

following a didactic step-by-step approach, with access to source code for reproducing activities. proposed practices and supplemented with additional readings and demonstrative videos.

**WiFi User Guide 2020 Edition** Dec 31 2020 This book was first published in 2015. Since then, the Wi-Fi technology has evolved tremendously. This 2020 edition has important updates about security. Once hackers take control of your Wi-Fi router, they can attack connected devices such as phones, laptops, computers! Fortunately, it is easy to harden the defense of your home network. There are important steps you should take in order to protect your connected devices. An exhaustive catalog of the latest home security devices has been updated in this 2020 edition. Why would you spend a lot of money to have a home security system installed when you can do it yourself! A chapter about health risks has also been added. Are EMF radiations safe? We regularly post updates on our site <http://mediastimulus.com> such as security alerts and the latest in Wi-Fi technology. Your feedback is always welcome <http://mediastimulus.com/contact/>

**Wi-Fi Toys** Mar 14 2022 This ultra-cool volume invites readers to tap into your inner geek and build seventeen ultra-cool wireless devices including a solar powered access point, a wireless picture frame that dynamically changes its own photos, and even a wireless car-to-car audio and video system With a few simple tools, some off-the-shelf parts, and this book, readers will be creating wireless devices they never thought were possible-toys that certainly can't be found at the local computer store Written by the cofounder and members of the Southern California Wireless Users Group, this book provides readers with hands-on instruction and insider tips and tricks from those who are on the bleeding edge of wireless technology New addition to the ExtremeTech line of books-books for serious technophiles

**The WiFi Networking Book** Jan 24 2023 'The WiFi Networking Book: WLAN Standards: IEEE 802.11 bgn, 802.11n, 802.11ac and 802.11ax' starts from the ground up for a new user and does a gradual progression into the technical details around IEEE 802.11 Wireless Lan communications standard. The book details the 'legacy' 802.11 stack (a/b/g) and also goes into the latest wave of 802.11 standards - 802.11n, ac and ax. Introduction A wireless LAN (WLAN) is a data transmission system designed to provide location-independent network access between computing devices by using radio waves rather than a cable infrastructure . In the corporate enterprise, wireless LANs are usually implemented as the final link between the existing wired network and a group of client computers, giving these users wireless access to the full resources and services of the corporate network across a building or campus setting. The widespread acceptance of WLANs depends on industry standardization to ensure product compatibility and reliability among the various manufacturers. The 802.11 specification as a standard for wireless LANS was ratified by the Institute of Electrical and Electronics Engineers (IEEE) in the year 1997. This version of 802.11 provides for 1 Mbps and 2 Mbps data rates and a set of fundamental signaling methods and other services. Like all IEEE 802 standards, the 802.11 standards focus on the bottom two levels the ISO model, the physical layer and link layer. Any LAN application, network operating system, protocol, including TCP/IP and Novell NetWare, will run on an 802.11-compliant WLAN as easily as they run over Ethernet. What is inside Overview on Wireless Technologies, Usage Scenarios and related Taxonomy Wireless LAN and 802.11 WiFi: Architecture, 802.11 Physical Layer, 802.11 Data Link Layer, 802.11 Security 802.11 Standards: 802.11b, 802.11a, 802.11g, 802.11n MIMO, 802.11ac - Wave 1 and Wave 2, 802.11ax WiMax Networks: Forum, WiMax Protocol, WiMax Architecture

**Wi-Fi Home Networking Just the Steps For Dummies** Feb 19 2020 Wi-Fi Home Networking Just the Steps For Dummies is the way to go if you're ready to go wireless and install your own wireless home network. The book's easy-to-navigate design features two columns, with numbered step-by-step instructions on one side and corresponding illustrations, screen shots, or photos on the other. There's no fluff, just the vital stuff—Just The Steps you need to get up to speed fast. This guide covers common networking tasks, including: Setting up wireless access points and configuring your network Adding wireless devices to your network Activating Wi-Fi Security, managing firewalls, and preventing unauthorized network users You don't have to leave Wi-Fi behind when you leave home; this practical reference tells you how to find public hotspots where you can use your Wi-Fi-equipped portable computer and how to network wirelessly with your pocket PC. It covers practical applications like creating a network bridge or adding wireless network storage, plus fun ways to use your tech toys to integrate and enhance your digital life, such as: Setting up a wireless media center so you can use a computer for streaming media, as a TV tuner, as a digital video recorder, or to integrate with your TV and home entertainment system Turning your pocket PC into a remote control Adding a wireless camera to your network Even if your current system with its cables, wires, and convoluted connections works, it's time to cut the cord.

Going wireless gives you many advantages and new options. So take the first step—get this book.

802.11 Wireless Networks Dec 11 2021 With transfer speeds up to 11 Mbps the 802.11 wireless network standard is set to revolutionize wireless LANs. Matthew Gast's definitive guide to the standard is aimed at administrators, architects and security professionals.

**Going Wi-Fi** Jul 06 2021 Make informed decisions about planning and installing 802.11 'Wi-Fi' wireless networks. This book helps you tackle the challenge, whether installing Wi-Fi within an existing corporate network or setting up a wireless network from scratch in any business

**Wifi Hotspot: Advantages and Disadvantages of Wifi Hotspots** May 16 2022 In this ebook, you'll find helpful tips on the history of wifi, how to connect to a wireless network, where to find wifi hotspots, commercial vs free hotspots and much more. GRAB A COPY TODAY!

Wi-Fi 6 Protocol and Network Jan 12 2022 This book provides an in-depth technical overview of six generations of Wi-Fi standards covering protocol, implementation, and system deployment aspects. The new features and capabilities of the latest sixth generation standard called Wi-Fi6, and its security are described. Alternate use cases of Wi-Fi are addressed, including 60 GHz Wi-Fi (802.11ad/ay) and indoor positioning using Wi-Fi. Wi-Fi6 is described as it compares 5G technology. Readers will understand practical implementation challenges, problems, and common solutions relevant to Wi-Fi deployment in different environments.

**Wireless Home Networking For Dummies** Nov 17 2019 Wireless home networks are better than ever! The emergence of new industry standards has made them easier, more convenient, less expensive to own and operate. Still, you need to know what to look for (and look out for), and the expert guidance you'll find in *Wireless Home Networks For Dummies*, 3rd Edition helps you ensure that your wire-free life is also a hassle-free life! This user-friendly, plain-English guide delivers all of the tips, tricks, and knowledge you need to plan your wireless home network, evaluate and select the equipment that will work best for you, install and configure your wireless network, and much more. You'll find out how to share your Internet connection over your network, as well as files, printers, and other peripherals. And, you'll learn how to avoid the "gotchas" that can creep in when you least expect them. Discover how to: Choose the right networking equipment Install and configure your wireless network Integrate Bluetooth into your network Work with servers, gateways, routers, and switches Connect audiovisual equipment to your wireless network Play wireless, multiuser computer games Establish and maintain your network's security Troubleshoot networking problems Improve network performance Understand 802.11n Whether you're working with Windows PCs, Mac OS X machines, or both *Wireless Home Networking For Dummies*, 3rd Edition, makes it fast and easy to get your wireless network up and running—and keep it that way!

*Wireless LAN*. May 24 2020

*Wi-Fi Security* Sep 20 2022 By following this resource, corporations can go wireless and still protect mission-critical data. Top corporate security consultant Stewart Miller covers security for Windows, Linux, Macs, Palms, and other PDAs and shows how to prevent breaches caused by weak encryption protocols.

\* Review security approaches for the different standards currently competing for the U.S. market \*

Addresses data compromise, unauthorized access, and denial of service--all critical to WLAN users \*

Covers the 802.11 IEEE standard in regards to security, performance, and throughput \* Discusses encryption and privacy through the WEP (Wired Equivalent Privacy) protocol

*Local and Metropolitan Area Networks* Mar 22 2020 Like its predecessors, this fully updated Fifth Edition of *Local and Metropolitan Area Networks* provides a clear, comprehensive presentation of LAN/MAN technology and the many emerging approaches to high-speed local networking. It meets the needs of today's students by emphasizing both the fundamental principles as well as the critical role of performance in driving LAN/MAN design.

Take Control of Wi-Fi Networking and Security Aug 19 2022 Get more from your Wi-Fi network Version 1.3, updated November 23, 2021 Setting up and securing a Wi-Fi network can be complicated and confusing. This book helps you over every hurdle involved in picking gateways, setting up a network, adding devices, and securing the network and connected phones, tablets, and computers. It's useful for those who have set up networks in the past and want to replace them with new gear, as well as people who have never built a Wi-Fi network before. Updated! Version 1.3 of this book now covers iOS 15, iPadOS 15, and macOS 12 Monterey. Perhaps you already have a Wi-Fi network running in your home and office, but you're dissatisfied with it. Or maybe you're setting up a new house, apartment, business, or school room with Wi-Fi and need to know the basics about what to get and how to configure it. In either case, this book is for you. After over 16 years of writing regularly about Wi-Fi and answering reader

questions, author Glenn Fleishman finds that the same issues still crop up: How do I spend the least money to the best effect? What's the best place to put my Wi-Fi gateways? How can I get both high throughput (speed) on my network and solid coverage across everywhere I want to use Wi-Fi? What can I do to secure my network against outsiders near my house and elsewhere on the internet? How do I add networked hard drives and printers? Interference is slowing my network; what can I do to reduce it? What's the best way to extend my network to a garage, yard, or nearby building? This book answers those questions in depth, as well as many others related to Wi-Fi, including how to set up a personal or mobile hotspot with all major operating systems, how to access computers on your network remotely, and why you should use a VPN (virtual private network). If you have any question about overhauling your network, setting up a new one, or just finally figuring out something that's never worked, this book has the answer. Covers macOS, Windows, iOS, Android, and Chrome OS.

**Free Internet** Aug 27 2020 "How to log onto legal wi-fi (wireless) routers using passive DIY antennas you can build in an hour or two and for practically nothing! and how to 'protect' your own connection"--cover.

The Book of Wireless, 2nd Edition Jun 17 2022 Discusses the process of setting up and using a home or office wireless network, covering topics such as point-to-point networking, sniffer tools, and security.

**Wireless Home Networking For Dummies** Apr 15 2022 The perennial bestseller shows you how share your files and Internet connection across a wireless network Fully updated for Windows 7 and Mac OS X Snow Leopard, this new edition of this bestseller returns with all the latest in wireless standards and security. This fun and friendly guide shows you how to integrate your iPhone, iPod touch, smartphone, or gaming system into your home network. Veteran authors escort you through the various financial and logistical considerations that you need to take into account before building a wireless network at home. Covers the basics of planning, installing, and using wireless LANs Reviews essential information on the latest security issues Delivers valuable tips on how to stay current with fast-moving technology Discusses how to share resources such as printers, scanners, an Internet connection, files, and more with multiple computers on one network *Wireless Home Networking For Dummies, 4th Edition* skips the technical jargon and gets you connected with need-to-know information on building a wireless home network.

**Wireless Hacking: Projects for Wi-Fi Enthusiasts** Dec 19 2019 Sales of wireless LANs to home users and small businesses will soar this year, with products using IEEE 802.11 (Wi-Fi) technology leading the way, according to a report by Cahners research. Worldwide, consumers will buy 7.3 million wireless LAN nodes--which include client and network hub devices--up from about 4 million last year. This third book in the "HACKING" series from Syngress is written by the SoCalFreeNet Wireless Users Group and will cover 802.11a/b/g ("Wi-Fi") projects teaching these millions of Wi-Fi users how to "mod" and "hack" Wi-Fi access points, network cards, and antennas to run various Linux distributions and create robust Wi-Fi networks. Cahners predicts that wireless LANs next year will gain on Ethernet as the most popular home network technology. Consumers will hook up 10.9 million Ethernet nodes and 7.3 million wireless out of a total of 14.4 million home LAN nodes shipped. This book will show Wi-Fi enthusiasts and consumers of Wi-Fi LANs who want to modify their Wi-Fi hardware how to build and deploy "homebrew Wi-Fi networks, both large and small. Wireless LANs next year will gain on Ethernet as the most popular home network technology. Consumers will hook up 10.9 million Ethernet nodes and 7.3 million wireless clients out of a total of 14.4 million home LAN nodes shipped. This book will use a series of detailed, inter-related projects to teach readers how to modify their Wi-Fi hardware to increase power and performance to match that of far more expensive enterprise networking products. Also features hacks to allow mobile laptop users to actively seek wireless connections everywhere they go! The authors are all members of the San Diego Wireless Users Group, which is famous for building some of the most innovative and powerful "home brew" Wi-Fi networks in the world.

*802.11ac: A Survival Guide* Feb 01 2021 The next frontier for wireless LANs is 802.11ac, a standard that increases throughput beyond one gigabit per second. This concise guide provides in-depth information to help you plan for 802.11ac, with technical details on design, network operations, deployment, and monitoring. Author Matthew Gast—an industry expert who led the development of 802.11-2012 and security task groups at the Wi-Fi Alliance—explains how 802.11ac will not only increase the speed of your network, but its capacity as well. Whether you need to serve more clients with your current level of throughput, or serve your existing client load with higher throughput, 802.11ac is the solution. This book gets you started. Understand how the 802.11ac protocol works to improve the speed and capacity of a wireless LAN Explore how beamforming increases speed capacity by improving link margin, and lays the foundation for multi-user MIMO Learn how multi-user MIMO increases capacity by enabling an AP to send

data to multiple clients simultaneously Plan when and how to upgrade your network to 802.11ac by evaluating client devices, applications, and network connections

**Wi-Fi for the Enterprise** Jul 26 2020 The suite of WiFi standards has solidified this year and no license is required for setting up a WiFi network. From the technical standpoint, it's easy and cheap to install one in your corporate network. Already there are over 300 (and climbing) WiFi certified products on the market. Expansion into the enterprise is proceeding at a rapid pace, with the market projected at \$1 billion by year-end 2002. Despite the simplicity of the technology, IT is discovering that numerous problems accompany a WiFi integration project, not the least of which is security. This book is designed to drill down to the practical aspects of building the network to interoperate with the technology your company has already deployed.

**Wi-Fi/WLAN Monthly Newsletter** Apr 03 2021

The Wireless Networking Starter Kit Nov 10 2021 For readers ready to embrace the freedom of wireless, this is the place to start. In these pages they'll learn first about the underpinnings of wireless technology and network basics before getting down to the real business at hand: setting up, configuring, and maintaining a wireless network. Step-by-step instructions delivered in easily digestible chunks make it easy to get a network humming.

[heffsguns.com](http://heffsguns.com)