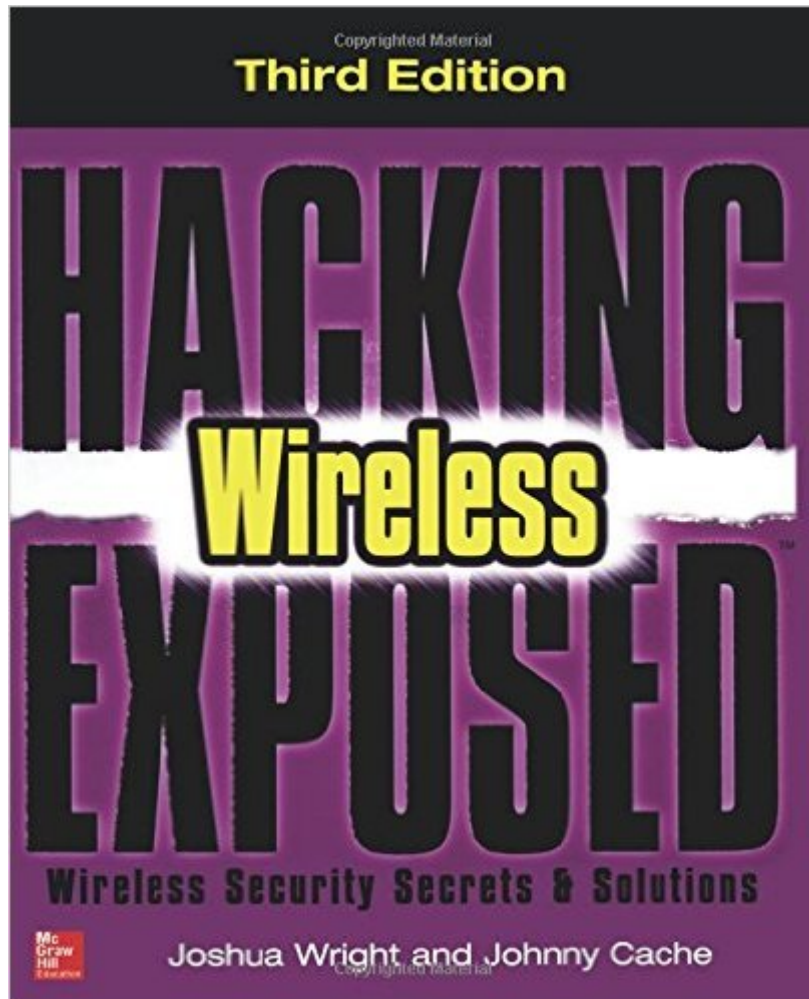


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# Hacking Exposed Wireless, Third Edition: Wireless Security Secrets & Solutions



## Synopsis

Exploit and defend against the latest wireless network attacks Learn to exploit weaknesses in wireless network environments using the innovative techniques in this thoroughly updated guide. Inside, you'll find concise technical overviews, the latest attack methods, and ready-to-deploy countermeasures. Find out how to leverage wireless eavesdropping, break encryption systems, deliver remote exploits, and manipulate 802.11 clients, and learn how attackers impersonate cellular networks. Hacking Exposed Wireless, Third Edition features expert coverage of ever-expanding threats that affect leading-edge technologies, including Bluetooth Low Energy, Software Defined Radio (SDR), ZigBee, and Z-Wave. Assemble a wireless attack toolkit and master the hacker's weapons Effectively scan and enumerate WiFi networks and client devices Leverage advanced wireless attack tools, including Wifite, Scapy, Pyrit, Metasploit, KillerBee, and the Aircrack-ng suite Develop and launch client-side attacks using Ettercap and the WiFi Pineapple Hack cellular networks with Airprobe, Kraken, Pytacle, and YateBTS Exploit holes in WPA and WPA2 personal and enterprise security schemes Leverage rogue hotspots to deliver remote access software through fraudulent software updates Eavesdrop on Bluetooth Classic and Bluetooth Low Energy traffic Capture and evaluate proprietary wireless technology with Software Defined Radio tools Explore vulnerabilities in ZigBee and Z-Wave-connected smart homes and offices Attack remote wireless networks using compromised Windows systems and built-in tools

## Book Information

Series: Hacking Exposed

Paperback: 544 pages

Publisher: McGraw-Hill Education; 3 edition (March 16, 2015)

Language: English

ISBN-10: 0071827633

ISBN-13: 978-0071827638

Product Dimensions: 7.4 x 1.2 x 9.1 inches

Shipping Weight: 1.7 pounds (View shipping rates and policies)

Average Customer Review: 4.7 out of 5 stars See all reviews (16 customer reviews)

Best Sellers Rank: #209,536 in Books (See Top 100 in Books) #54 in Books > Computers & Technology > Security & Encryption > Encryption #58 in Books > Computers & Technology > Security & Encryption > Cryptography #167 in Books > Computers & Technology > Networking & Cloud Computing > Network Security

## Customer Reviews

I have been in the security and networking business for more than 15 years. Over the years I have been both on the technical and business side dealing with many aspects of security spanning reverse engineering, operational security, incident management, security product management and so on. I recently got interested in 802.15.4 (ZigBee, 6LoWPAN, etc.) and software defined radio (SDR) primarily from a security perspective. So I bought this book to have a practical guide on the matter. I have only processed the chapters that I was interested in but I can say I have been impressed. The authors are clearly very knowledgeable on the topic and they convey their message very well. I learned quite a lot. One caveat, this may not be for the complete beginner. Authors provide a 'simplicity' score for the attacks they describe (10 being the easiest, like using an already available tool to point and click; 1 being the most difficult like requiring you write a new exploit code yourself) so complete beginners may be able to find few attack concepts that they can try. But overall the book assumes you are technical minded and have some technical background. With that in mind, highly recommended to anyone looking for an in-depth understanding of wireless security.

I have owned the previous two editions of this book, and as always the authors do not disappoint. This book will let anyone with basic linux knowledge understand the tools and techniques to hack wireless networks with ease. There is also a new chapter on Software Defined Radios which is a great primer into the subject.

I found this book to be very detailed and informative on the subject. Chapter 14 on hacking Z wave Smart Homes was very interesting. I would definitely recommend this book to anyone interested in wireless security.

Was waiting for this third edition for a long time, it was worth the wait. Goes in depth into the various wireless technologies and their hacks, but also suggests effective countermeasures. A must read for wireless security hackers, penetration testers, etc.

Josh is an author I can trust to provide valuable insight and accuracy in his writings. This book is a valuable resource for anyone with a modern network that probably includes some wireless.

One of the Best Wireless Hacking books out there. Provides a concise introduction of the material and follows up with more detail as you go. Information very updated and practical!

Great book and understanding of wireless Device. Used it during two different type of wireless assessment. This is becoming my to go book for answering customers questions.

Good read for those interested in the various wireless protocols. It is written in a way that makes it easily understandable and yet still covers the details well.

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