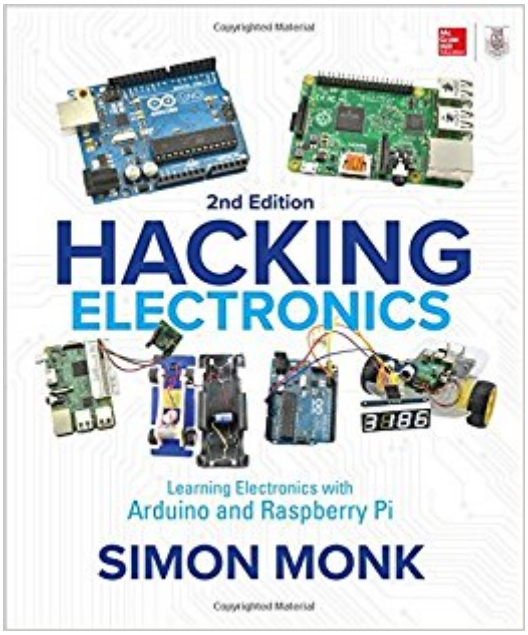
Hacking Electronics: Learning Electronics With Arduino And Raspberry Pi, Second Edition



Synopsis

Up-to-date hacks that will breathe life into your Arduino and Raspberry Pi creations!This intuitive DIY guide shows how to wire, disassemble, tweak, and re-purpose household devices and integrate them with your Raspberry Pi and Arduino inventions. Packed with full-color illustrations, photos, and diagrams, Hacking Electronics: Learning Electronics with Arduino and Raspberry Pi, Second Edition, features fun, easy-to-follow projects. Youâ ™ll discover how to build an Internet-controlled hacked electric toy, ultrasonic rangefinder, remote-controlled robotic rover, audio amp, slot car brakes and headlightsâ •even a smart card reader!â ¢Â Get up and running on both Arduino and Raspberry Pi â ¢Â Safely solder, join wires, and connect switches â ¢Â Identify components and read schematic diagrams â ¢Â Work with LEDs, including high-power Lumileds and addressable LED stripsâ ¢Â Use LiPo batteries, solar panels, and buck-boost power supplies â ¢Â Use sensors to measure light, temperature, acceleration, sound level, and color â ¢Â Build and modify audio amps, microphones, and transmitters â ¢Â Repair gadgets and scavenge useful parts from dead equipmentâ ¢Â Get the most out of cheap or free bench and software tools

Book Information

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Customer Reviews

Simon Monk has a bachelorâ ™s degree in cybernetics and computer science and a Ph.D. in software engineering. He has authored more than 20 books, including Programming Arduino, 30 Arduino Projects for the Evil Genius, Programming the Raspberry Pi, and is coauthor of Practical Electronics for Inventors. Dr. Monk also designs products for the electronic kit manufacturer, monkmakes.com.

Hacking Electronics: Learning Electronics with Arduino and Raspberry Pi, Second Edition Hacking: How to Hack Computers, Basic Security and Penetration Testing (Hacking, How to Hack, Hacking for Dummies, Computer Hacking, penetration testing, basic security, arduino, python) Hacking with Python: Beginner's Guide to Ethical Hacking, Basic Security, Penetration Testing, and Python Hacking (Python Programming, Hacking, Python Coding, Python and Hacking Book 3) Hacking: Ultimate Hacking for Beginners, How to Hack (Hacking, How to Hack, Hacking for Dummies, Computer Hacking) Raspberry Pi 3: The Ultimate Guide on how to design and build your own projects with Raspberry Pi 3 (Computer Programming, Raspberry Pi 3) (Raspberry Pi ... general,all,new, 2017 updated user guide) Hacking University: Freshman Edition Essential Beginnerâ ™s Guide on How to Become an Amateur Hacker (Hacking, How to Hack, Hacking for Beginners, Computer ... (Hacking Freedom and Data Driven Book 1) Hacking: Wireless Hacking, How to Hack Wireless Networks, A Step-by-Step Guide for Beginners (How to Hack, Wireless Hacking, Penetration Testing, Social ... Security, Computer Hacking, Kali Linux) Hacking: Basic Security, Penetration Testing and How to Hack (hacking, how to hack, penetration testing, basic security, arduino, python, engineering Book 1) Travel Hacking: Secrets: The Definitive Beginner's Guide to Travel Hacking and Flight Hacking: How to Fly Anywhere for Free and Make the Airlines Pay for You Getting Started with Sensors: Measure the World with Electronics, Arduino, and Raspberry Pi Beginning C for Arduino, Second Edition: Learn C Programming for the Arduino Raspberry Pi: The Ultimate Step by Step Guide to Take you from Beginner to Expert, Set Up, Programming, Projects For Raspberry Pi 3, Hints, Tips, Tricks and Much More! Hamshack Raspberry Pi: How to Use the Raspberry Pi for Amateur Radio Activities Raspberry Pi 3: The Ultimate Beginnerâ ™s Guide! (Raspberry Pi 3) Raspberry Pi :Raspberry Pi Guide On Python & Projects Programming In Easy Steps Make: Action: Movement, Light, and Sound with Arduino and Raspberry Pi JavaScript Robotics: Building NodeBots with Johnny-Five, Raspberry Pi, Arduino, and BeagleBone (Make) Make: Sensors: A Hands-On Primer for Monitoring the Real World with Arduino and Raspberry Pi Make: Bluetooth: Bluetooth LE Projects with Arduino, Raspberry Pi, and Smartphones Beginning Sensor Networks with Arduino and Raspberry Pi (Technology in Action)