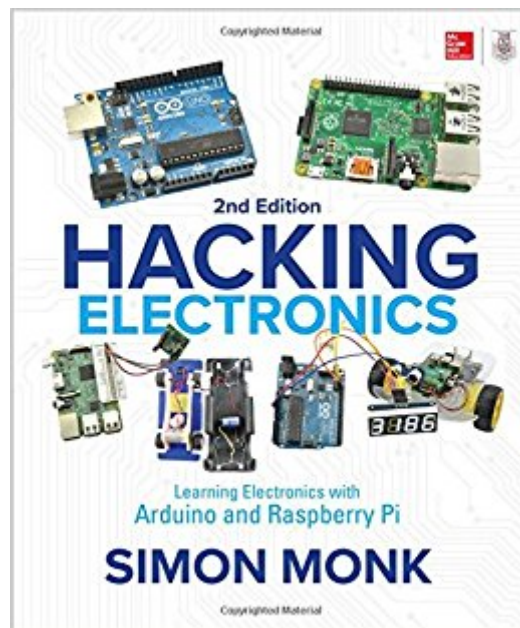




The book was found

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. You'll discover how to build an Internet-controlled hacked electric toy, ultrasonic rangefinder, remote-controlled robotic rover, audio amp, slot car brakes and headlights • even a smart card reader! •

- Get up and running on both Arduino and Raspberry Pi
- Safely solder, join wires, and connect switches
- Identify components and read schematic diagrams
- Work with LEDs, including high-power Lumileds and addressable LED strips
- Use LiPo batteries, solar panels, and buck-boost power supplies
- Use sensors to measure light, temperature, acceleration, sound level, and color
- Build and modify audio amps, microphones, and transmitters
- Repair gadgets and scavenge useful parts from dead equipment
- Get the most out of cheap or free bench and software tools

Book Information

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Customer Reviews

Simon Monk has a bachelor'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.

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