Hacking Electronics: Learning Electronics with Arduino and Raspberry Pi, Second Edition

© 2018

by **Simon Monk**

2nd Edition • Active, In-Print • 304 Pages • Paperback / softback
9781260012200 • 1260012204

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