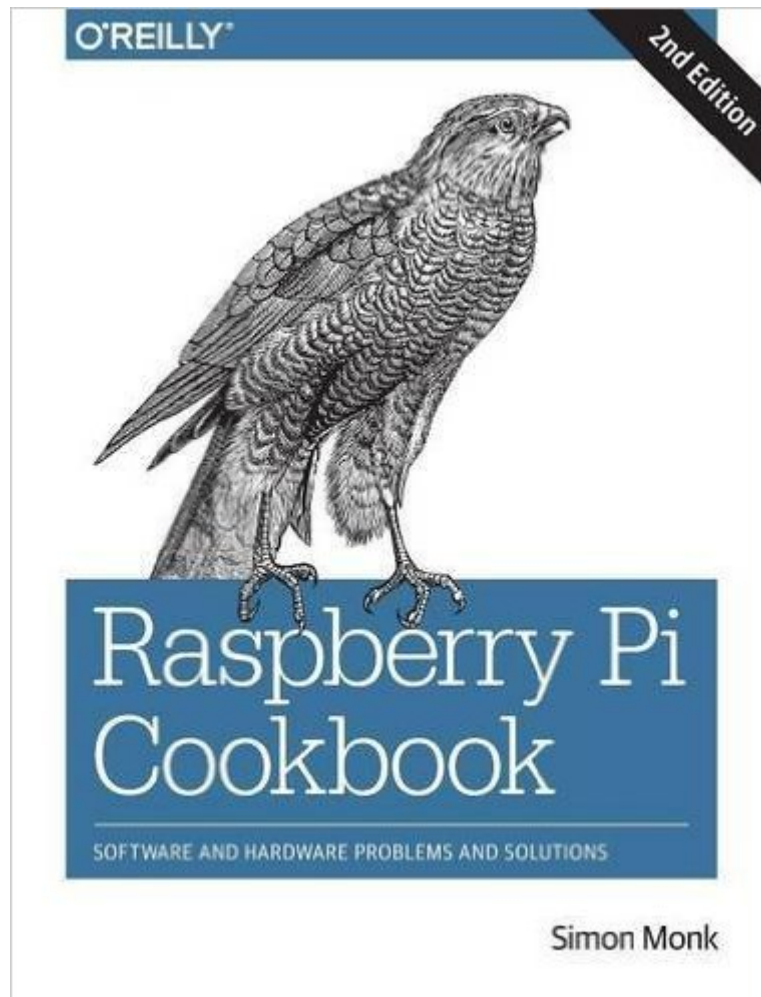


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# Raspberry Pi Cookbook: Software And Hardware Problems And Solutions



## Synopsis

With millions of new users and several new models, the Raspberry Pi ecosystem continues to expand along with a lot of new questions about the Pi's capabilities. The second edition of this popular cookbook provides more than 240 hands-on recipes for running this tiny low-cost computer with Linux, programming it with Python, and hooking up sensors, motors, and other hardware including Arduino and the Internet of Things. Prolific hacker and author Simon Monk also teaches basic principles to help you use new technologies with Raspberry Pi as its ecosystem continues to develop. This cookbook is ideal for programmers and hobbyists familiar with the Pi through resources, including *Getting Started with Raspberry Pi* (O'Reilly). Python and other code examples from the book are available on GitHub. Set up your Raspberry Pi and connect to a network with its Linux-based operating system. Program Raspberry Pi with Python. Give your Pi "eyes" with computer vision. Control hardware through the GPIO connector. Use Raspberry Pi to run different types of motors. Work with switches, keypads, and other digital inputs. Use sensors to measure temperature, light, and distance. Connect to IoT devices in various ways. Create dynamic projects with Arduino.

## Book Information

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## Customer Reviews

Great Cookbook. Get you started as well as going forward to the capability of the Raspberry GPIO and the Python program language. Some knowledge of Linux will help. Raspbian OS is one of the friendlier Linux OS

O'Reilly has always been a preeminent 3rd party computing handbook and this edition doesn't disappoint. Even right at 500 pages, the book isn't too heavy and the pages are easy to turn. The new release is a second edition, there are a few charts that mention the latest "pi 3," but it still seems like there's as many that don't. Certainly the most up to date diagrams aren't why you would purchase this book. I've tinkered around with mine before getting the book and have just got around to "controlling the pick remotely. For reference, that topic is discussed on page 40. It covers a lot, has plenty of useful wiring diagrams, code excerpts to execute, and explanations for it all. I think it's useful for a first book because it may be the last one you need. There's another small "Raspberry pi 3" kindle book, maybe 50 pages with big typeface, that wasn't more than \$2 that accompanies this book well. I recall a lot of older O'Reilly books came with a perforated quick reference guide and this would benefit from something like that. Maybe a bookmark that is printed with basic commands and command structure for those that haven't mastered everything, yet.

Great book, clearly written. Covers hardware, setup, config, software, operating system, interfacing.

Great introductory reference to many of the topics you'd be interested in as you get acquainted to the Raspberry Pi, even if you're an experienced engineer.

A wonderful resource. Monk really provides well-presented info that I find useful in teaching others about Raspberry Pis.

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