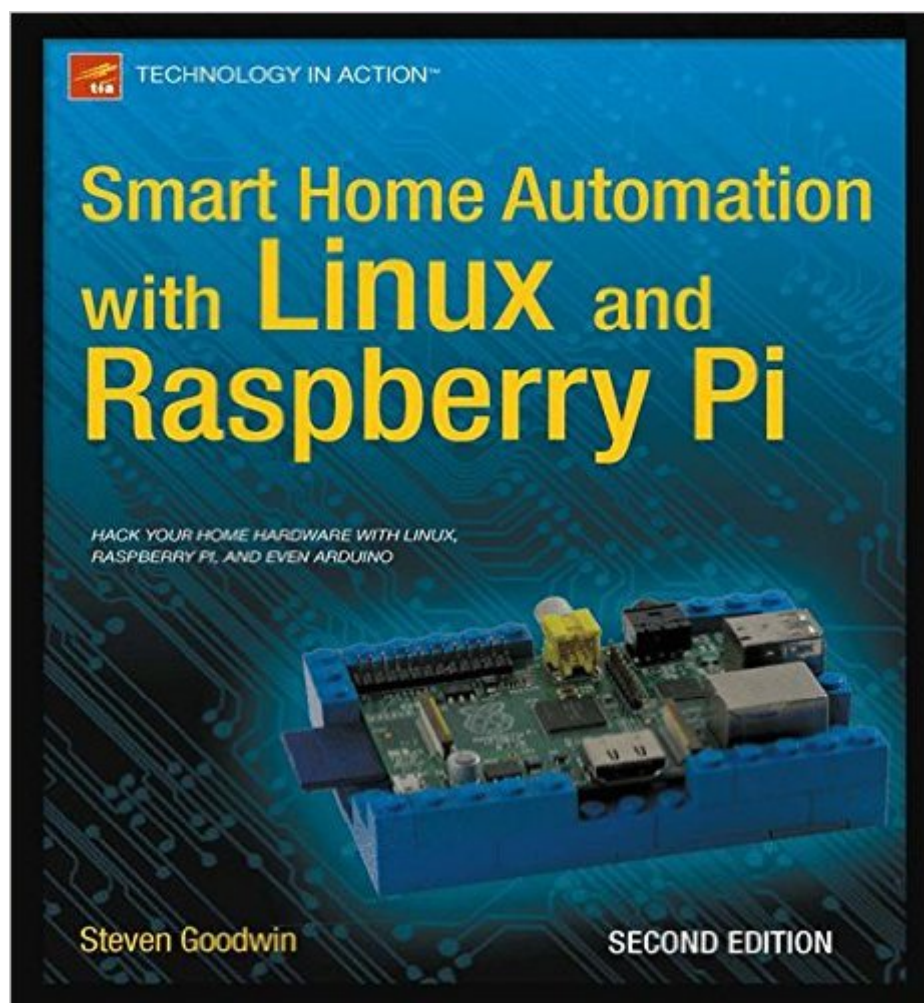


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# Smart Home Automation With Linux And Raspberry Pi



## Synopsis

Smart Home Automation with Linux and Raspberry Pi shows you how to automate your lights, curtains, music, and more, and control everything via a laptop or mobile phone. You'll learn how to use Linux, including Linux on Raspberry Pi, to control appliances and everything from kettles to curtains, including how to hack game consoles and even incorporate LEGO Mindstorms into your smart home schemes. You'll discover the practicalities on wiring a house in terms of both power and networking, along with the selection and placement of servers. There are also explanations on handling communication to (and from) your computer with speech, SMS, email, and web. Finally, you'll see how your automated appliances can collaborate to become a smart home. Smart Home Automation with Linux was already an excellent resource for home automation, and in this second edition, Steven Goodwin will show you how a house can be fully controlled by its occupants, all using open source software and even open source hardware like Raspberry Pi and Arduino.

## Book Information

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## Customer Reviews

I have been searching for books like this for over six months to support my home automation business and now I have one. Home Automation is currently divided among the Security, Video, Instrument, and Appliance support groups. No one is getting the overall picture which is that the Home itself is the venue. Every electronic support aspect of the Home should be considered as a

single unified thing. And that requires interchangeability of security, door entry, infant monitoring, automobile system monitoring, household expenses, energy usage, phone and video, and remote control devices. Currently, there are at least three different communications systems operating among potential home instruments. This book covers them in some detail and gives the reader insight into which suppliers support given standards in their devices. This information is vital to designing a comprehensive Home system without conflicts. In this book you will find the information to decode the confusing interplay of commercial offerings for your Home and be able to mix and match devices, communication standards, and command codes needed to fill out the custom package that will serve your personal idea of a living assistant that is your Home. Beware though, these Home support devices are expensive, tricky to integrate, and can break your security if you are not experienced in understanding electronic systems. I have an EE degree and over ten years experience in designing electronic systems and software to help me recognize the issues and solutions contained in this book. You should have a few years of experience in configuring and using complex audio and computer installations to make the best use of the information contained here. Or you can find a friend who has that background.

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