Raspberry Pi for Secret Agents - Third Edition

Matthew Poole

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Key Features

- Turn your Raspberry Pi into a multi-purpose secret agent gadget for audio and video surveillance, Wi-Fi exploration, or playing pranks on your friends
- Detect an intruder on camera or with sensors and set off an alarm or receive messages to your phone
- Find out what the other computers on your network are up to and make yourself anonymous on the Internet
- This book has been updated for new additions to your toolkit featuring the tiny, recently released Raspberry Pi Zero board

Book Description

This book is for all mischievous Raspberry Pi owners who'd like to see their computer transform into a neat spy gadget to be used in a series of practical pranks and projects. No previous skills are required to follow along, and if you're completely new to Linux, you'll pick up much of the basics for free.

We'll help you set up your Raspberry Pi Zero , Raspberry Pi 2 and Raspberry Pi 3 and guide you through a number of pranks and secret agent techniques that are so inconspicuous yet high on mischief. You'll learn how to configure your operating system for maximum mischief and start exploring audio, video, or Wi-Fi techniques. We'll show you how to record, listen, or talk to people from a distance and how to set up your own phone network. Then, you'll plug in your webcam and set up a motion detector with an alarm and find out what the other computers on your Wi-Fi network are up to. Once you've mastered the techniques, we'll combine them with a battery pack and GPS for the ultimate off-road spy kit.

What You Will Learn

- Install and configure the Raspbian Jessie operating system for maximum mischief
- Detect an intruder with motion detection or a laser trip wire and set off an alarm
- Listen in to conversations from a distance over Bluetooth
- Distort your voice in weird and wonderful ways
- Track the Pi's whereabouts using GPS
- Connect your Pi to the mobile Internet using a 3G dongle and make yourself anonymous on the net
- Display secret messages and codes to fellow agents on a LED display

About the Author

Matthew Poole is a systems engineer based near Southampton on the south coast of England, with over 20 years of industry experience. After graduating in electronics and communications engineering, he went on to train as and become an air traffic engineer for Civil Aviation Authority, UK, working on microprocessor-based control and communications systems.

Later, he became a software architect and mobile technology specialist, working for several consultancies and global organizations in both hands-on architecture and product-management roles .

He is now a partner at Connecting Objects, a boutique systems consultancy focusing on the design of

Bluetooth and other wireless-based IoT systems, taking ideas from concept to prototype. He is also the Director of Technology for Mobile Onboard, a leading UK-based transport technology company specializing in bus connectivity and mobile ticketing systems.

He is also the author of Building a Home Security System with Raspberry Pi, Packt Publishing.

You can find his blog at http://cubiksoundz.com and LinkedIn profile at https://www.linkedin.com/in/cubik, or you can reach him on Twitter at @cubiksoundz.

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