

# Contents

Issue 50 October 2016

raspberrypi.org/magpi

# **TUTORIALS**

> BUILD AN ACTION CAMERA  Who needs a Go Pro when you can build your own?	44
> RASPBERRY PI 101 - ETCHER Learn how to write SD cards using Etcher	48
> SONIC PI: PRACTICE Practice makes perfect when you're putting on a show	50

- > INTRO TO C PART 4 52 Take control of your funky flow
- > SKELETON DANCE 54 This month's Pi Bakery is a spooky bonetrousle
- > CAR MONITOR PART 2 60 Complete your Wyliodrin car monitor
- > ARCADE MACHINE PART 4 62 Start putting your cabinet together

## IN THE NEWS

# TEN MILLION PIS!



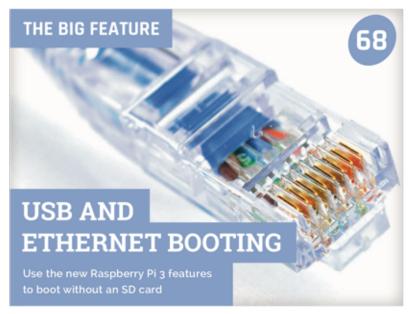


# 50 GREATEST PROJECTS

We celebrate 50 amazing Raspberry Pi projects for our 50th issue













# REGULARS

> NEWS The biggest stories from the world of Raspberry Pi	0
> TECHNICAL FAQ Answers to common problems	6
> BOOK REVIEWS This month's best reads for coders and hackers	8
> THE FINAL WORD The importance of #10MillionPi, by Matt Richardson	9

# COMMUNITY

> THIS MONTH IN PI

> MANCHESTER MAKEFEST The MagPi heads to Manchester to meet some makers	84
> MEET A JAM ORGANISER This month, James Mitchell from Berlin	86
> EVENTS We've got a new look for our listing of upcoming Jams	88
> YOUR LETTERS We answer your letters about the magazine and Pi	92

What else happened this month in the world of Pi?

### **REVIEWS**

> SUGRU REBEL TECH KIT	76
> MICRO DOT PHAT	78
> IOT PHAT	79

raspberrypi.org/magpi raspberrypi.org/magpi October 2016 MagPi | 5 MãgPi October 2016

82