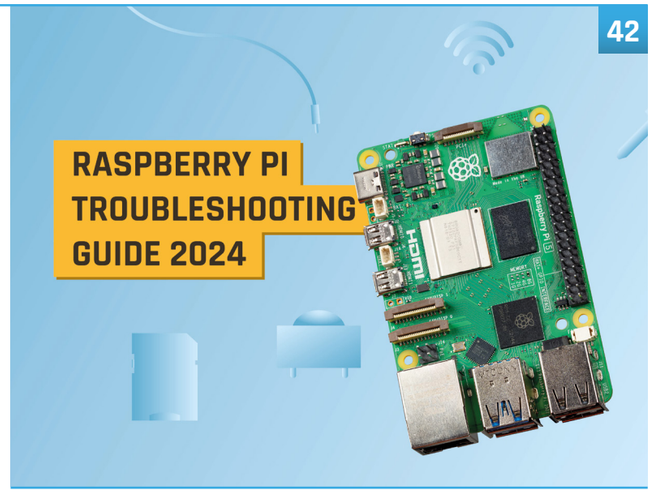
Contents

Issue 139 > March 2024

Cover Feature

42 Troubleshooting Guide



Regulars

08 World of Raspberry Pi
38 Case Study: Velo AI
92 Your Letters
94 Community events calendar
97 Next Month
98 The Final Word

Project Showcases

12 FREISA
16 Mac Mini KVMac16
20 PeggyBoard
24 YAFC Flux Capacitor
28 THEA500 Mini keyboard
30 3D Laser Radar
32 SNES XL
34 PicoZX Handheld

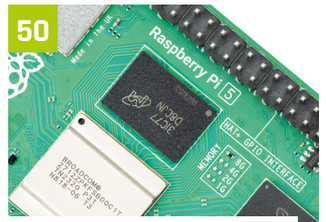
PeggyBoard

SNES XL

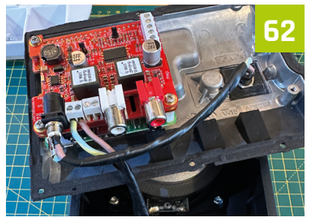
The MagPi is published monthly by Raspberry Pi Ltd, 194 Cambridge Science Park, Milton Road, Cambridge, England, CB4 0AB. Publishers Service Associates, 2406 Reach Road, Williamsport, PA, 17701, is the mailing agent for copies distributed in the US and Canada. Application to mail at Periodicals prices is pending at Williamsport, PA. POSTMASTER: Send address changes to The MagPi, c/o Publishers Service Associates, 2406 Reach Road, Williamsport, PA, 17701.

Tutorials

50 Get to know your Raspberry Pi
58 Twin lens reflex camera
62 Upcycle Sonos speakers – part 1
66 Connect cameras and displays



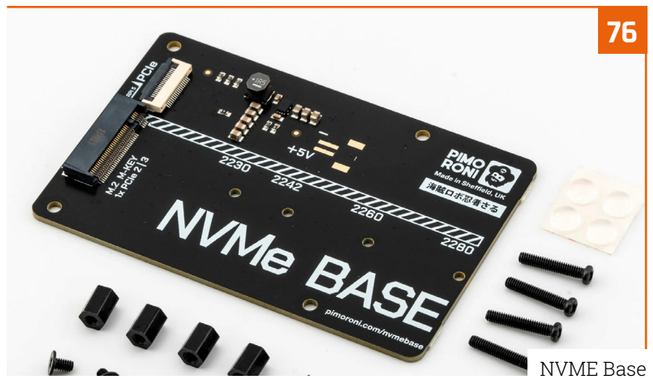
Get to know your Raspberry Pi



Upcycle Sonos speakers - part 1

The Big Feature

#MonthOfMaking 2024



NVME Base

Reviews

76 NVMe Base
78 Argon ONE V3 M.2 NVMe
80 ED-HMI3020
82 10 amazing Raspberry Pi 5 accessories
84 Learn AI

Learn AI

Community

86 Interview: Tim Stenning
88 This Month in Raspberry Pi

WIN 1 OF 5 ARGON ONE V3 CASES 96

DISCLAIMER: Some of the tools and techniques shown in The MagPi magazine are dangerous unless used with skill, experience, and appropriate personal protection equipment. While we attempt to guide the reader, ultimately you are responsible for your own safety and understanding the limits of yourself and your equipment. Children should be supervised. Raspberry Pi Ltd does not accept responsibility for any injuries, damage to equipment, or costs incurred from projects, tutorials or suggestions in The MagPi magazine. Laws and regulations covering many of the topics in The MagPi magazine are different between countries, and are always subject to change. You are responsible for understanding the requirements in your jurisdiction and ensuring that you comply with them. Some manufacturers place limits on the use of their hardware which some projects or suggestions in The MagPi magazine may go beyond. It is your responsibility to understand the manufacturer's limits.