

Contents

► Issue 101 ► January 2021

Cover Feature

36 Raspberry Pi 400 projects & guides

Regulars

- 10** World of Raspberry Pi
- 92** Your Letters
- 97** Next Month
- 98** The Final Word

Project Showcases

- 12** BOSEBerry Pi
- 18** Korg Monotron MIDI
- 20** The Stargate
- 22** OnionBot Sous Chef
- 26** PiTubeDirect
- 28** Multi-effects Guitar Pedal
- 30** Car Head Unit
- 32** Walking Robot

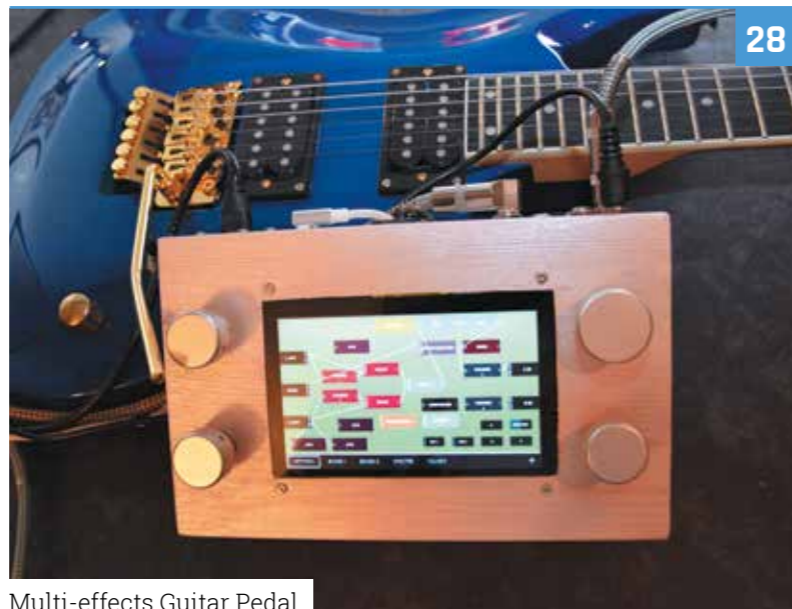
22



OnionBot Sous Chef



36



28

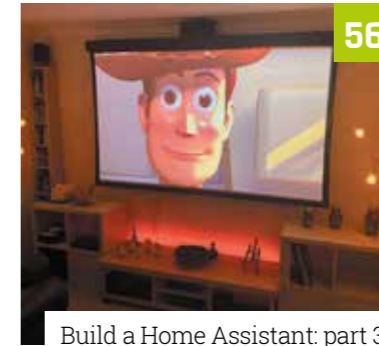
Multi-effects Guitar Pedal

52



DB9 joystick on Raspberry Pi 400

56



Build a Home Assistant: part 3

78



FHD Touch Display & Keyboard

86



Donald Hui interview

Tutorials

- 46** Raspberry Pi QuickStart Guide
- 52** DB9 joystick on Raspberry Pi 400
- 56** Build a Home Assistant: part 3
- 60** Code an Artillery-style game
- 62** Create GUIs with Python: part 1
- 68** Santa's Run: part 2

The Big Feature

72



Arts & Crafts

Reviews

- 78** FHD Touch Display & Keyboard
- 80** Pirate Audio: Dual Mic
- 81** Embedded Learner Board
- 82** 10 Amazing: Laptops
- 84** Learn LibreOffice

Community

- 86** Donald Hui interview
- 88** This Month in Raspberry Pi

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 (Trading) 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.

WIN
1 OF 5

RASPBERRY PI 400

95