Contents

Issue 61   September 2017

raspberrypi.org/magpi

IN THE NEWS

PIONEERS WINNERS

Victors from the latest round of Pioneers!   **10**

Photo credit: Raspberry Pi – Anna Gordon

COVER FEATURE
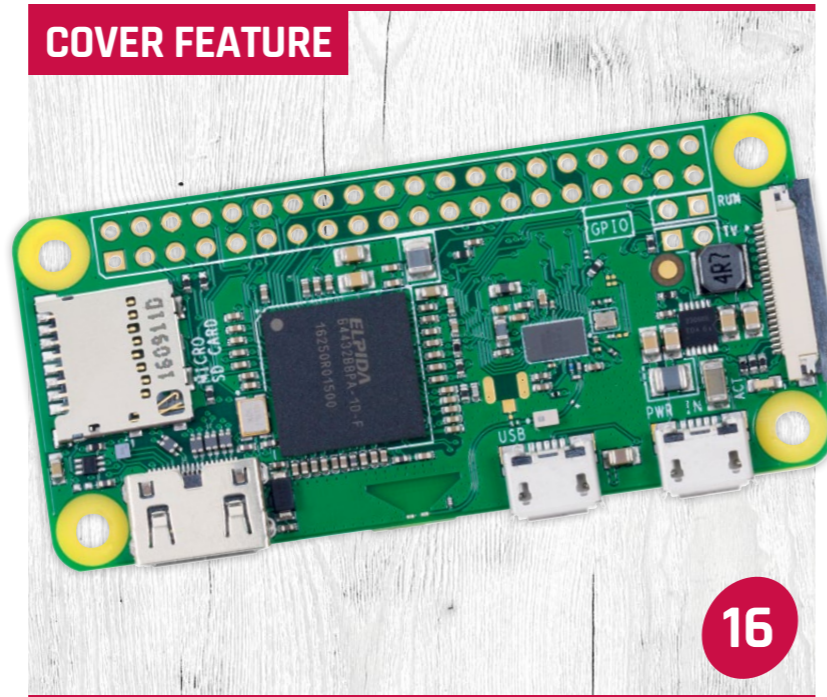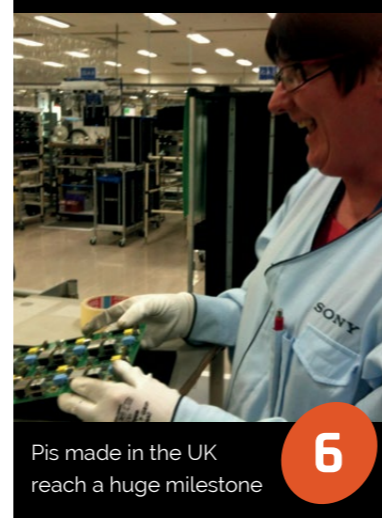
10 PI ZERO PROJECTS YOU MUST MAKE!   **16**

AIY NEEDS YOU

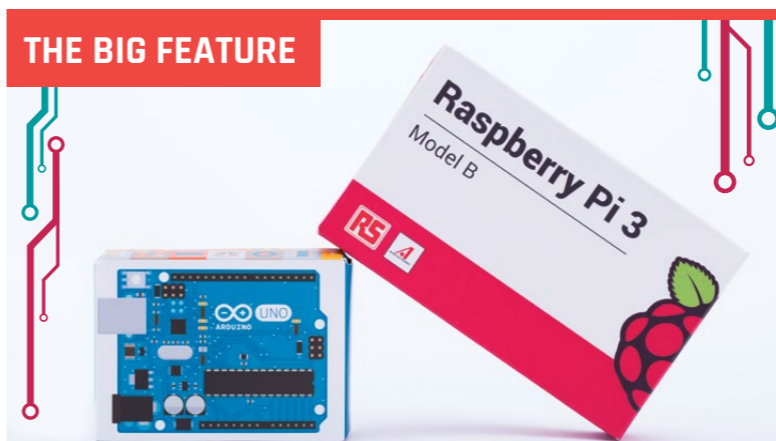AIY needs your voice to improve recognition   **11**

10 MILLION PIS

Pis made in the UK reach a huge milestone   **6**

THE BIG FEATURE

ARDUINO AND PI   **60**
A microcontroller and an SBC – one unstoppable team

YOUR PROJECTS

INTERCOM   **30**
Using the AIY Projects Voice Kit to upgrade old-school intercoms
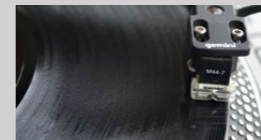
WAVES   **32**
Print the sound of your own voice
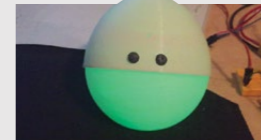
PI DECK   **34**
Scratching digital music

ALONSO'S ROBOTS   **36**
Cute robots everywhere!

WIN! RASPBERRY PI 3 RETRO GAMING BUNDLES   **97**

IN ASSOCIATION WITH: The PiHut   www.ThePiHut.com