Whether you played the original PacMan or PokemonGO is more your speed, it’s hard to ignore the siren call of an old-fashioned arcade game. Bring the fun home with this arcade starter pack from Adafruit Industries, full of clicky controls and nostalgia.

What’s in the box?
- Raspberry Pi3 Model B
- MicroSD card with SD adapter, preloaded with NOOBs
- Raspberry Pi Power Supply
- Smoke Case for Raspberry Pi
- Arcade buttons with quick-disconnect cables
- Joystick with cable
- Female-to-female jumper cables

You will also need:
- USB mouse and keyboard
- Display with cable
- ROMS from arcade games you already own
Raspberry Pi 3 and microSD Card

When it’s hard to choose a favorite game or emulator, why choose at all? Load RetroPie alone for immediate USB keyboard gaming, or on top of NOOBS or Raspbian to enable GPIO inputs.

Buttons and Joystick

The clear arcade buttons and joystick all act as normally-open switches that can interface directly with the Pi’s GPIO headers without pull-up resistors. Each button must connect across an available GPIO pin and ground. The joystick requires the black wire to be grounded, while the four colored wires attach to available GPIO.

Software

There are a wide range of resources and tutorials to help you get your system setup. We recommend the “Retro Gaming with Raspberry Pi” tutorial on adafruit.com and the getting started guide on RetroPie.org.uk.

The Cabinet

You can use the kit’s box as a cabinet buy punching holes for the joystick and buttons, then wiring the entire thing in the box. You could also use this pack as the base for a full-sized wood cabinet – feel free to go big!