



## Picade Console

- PIM407

Power-up your TV with Picade Console! It's a compact, Raspberry Pi-powered retro games machine with authentic arcade controls that plugs right into your TV, monitor, or other HDMI display.

Picade Console is fight stick-style arcade console that riffs off our new [Picade](#) with the same retro feel, same joystick and buttons, dedicated power button, and driven by the same powerful combo of the Raspberry Pi and Picade X HAT. It's beautifully packaged, comes with stickers and a neon-infused A3 Picade Console poster, and full assembly instructions.

It comes in kit form and takes an hour or two to build. The enclosure is made from powder-coated MDF and acrylic, giving it an authentic arcade look and feel. All you'll need to add is a [Raspberry Pi](#), [power supply](#), [HDMI cable](#), and [micro-SD card](#).

*\*TV not included! Using a CRT TV requires additional adaptors.*

## Features

- Black, powder-coated panels
- Acrylic console with retro artwork
- Push-fit arcade buttons
- Joystick with black ball top
- Speaker (3W, 4Ω, 2.5" driver)
- Easy access with removable back panel
- Dedicated illuminated power button
- Grippy rubber feet
- Dimensions (assembled): 245x120x140mm

## Picade X HAT features

- Easy DuPont connectors for buttons and joystick
- Push-fit speaker terminals
- I2S audio DAC with 3W amplifier (mono)
- Power management, power switch pins, and power button
- 4-way joystick inputs
- 6 player buttons
- 4 utility buttons
- Metal standoffs to hold your Picade X HAT securely

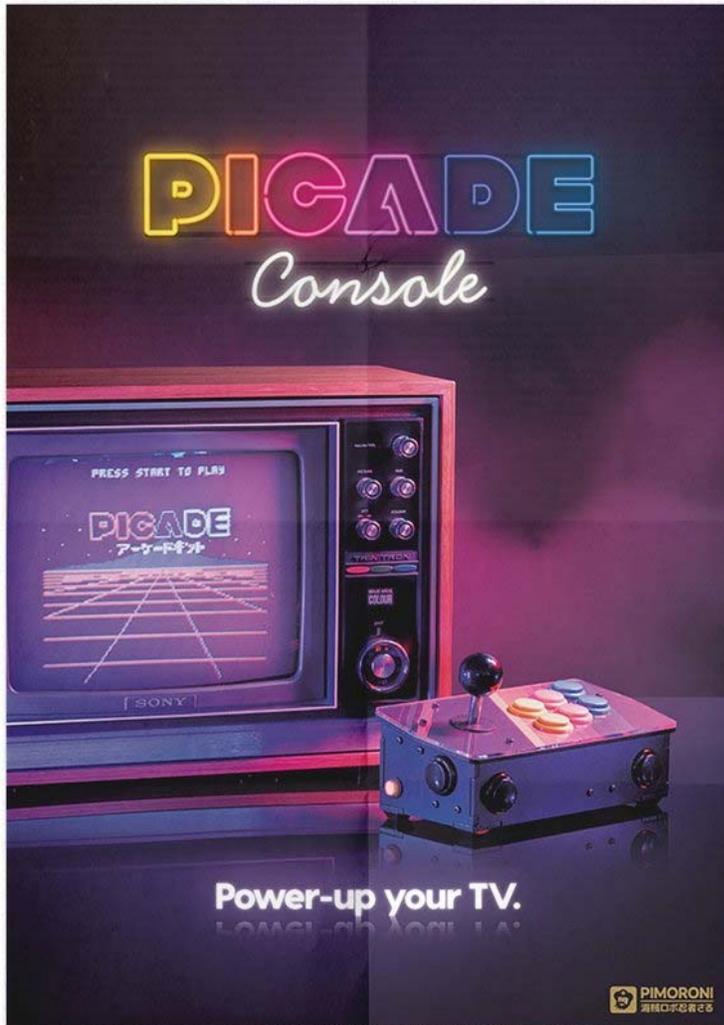
## Extras

- Picade Console poster / assembly instructions
- Picade stickers

## What's new!?

Picade Console is more compact and easier to build, but has a bunch of new features liked a dedicated power button, better cable routing out the back of the console with a panel-mount micro-USB connector for power, and slick new artwork.





# PICADE Console

Power-up your TV.

**PIMORONI**  
海標電子

Locks towards the middle of the console, holds the metal shell, sticking through the large hole in the console, mount the joystick using two M3 bolts and nuts. Put the dust cover on and screw the ball top onto the joystick, using a flat-head

while plastic spacers on top of each. Then place your PCB on the console, with the USB ports facing forward and the HDMI port facing the back. Screw the four metal stands into the slots, securing your PCB.

## Building Your Picade Console

### 5. Wiring the player buttons

Next, take one of the sets of twelve wires, and separate the strands if they are too thick. Strip the ends with the spooler, marking from one side of the cable, connect each pair of spooler to buttons 1 to 6 (marked on the underside of the console). Take the last pair of pins of the other end and connect them to the terminals marked BUTCHG from 1 to 6 (combination doesn't matter).

and the back to -. Connect the pins at the other end to the terminals marked LED, with the red one at the side marked +.

The speaker wires push into the terminals marked SPK+ (red) and SPK- (black) like a pin or pencil tip to gently press the clips on the speaker terminals, as you push the wires firmly in.

### 7. Attaching the console

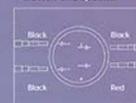
Before attaching the console, plug the other end of the panel mount micro-USB socket into the connector on the Picade X HAT. It's important that this plug is into the HAT and not into the Pi back, as the HAT handles power management.

Slide the console into the casing, with the joystick closest to the side of the casing with the power button in, and allow each pair of M3 bolts and nuts. Begin in from the rear of the console, to hold the nuts in place when you tighten the bolts.



Take the other set of twelve wires, and strip off one pair of wires (you'll only need five pairs). Again, separate the strands in the pair of the end with the spooler, taking each pair in turn, connect them to the INT, EXTERNAL COIN, and power button respectively. On the power button, connect the spooler connectors to the pair of spooler closest to the edge of the button. Take the pins at the other end and connect them to the terminals marked INT, EXTERNAL COIN, and ON respectively.

### 6. Wiring the power button and speaker



The remaining pair of wires, the red and black ones, are for the power button LED. Connect the red wire to the spools on the button marked +



Feed the backing off the rubber feet and stick them on the underside, in the four corners.

### 8. Mounting the panel-mount micro-USB socket

Unscrew the two screws from the panel-mount end of the cable and use them to attach the socket to the back panel of your console. You can now slide in the loose part, by boosting the top set of tabs in the slots in the console top, and then fitting the bottom of the console tightly to allow the bottom set of tabs to pop in.

### 9. Getting up and running

Connect an HDMI cable from the back of your Picade Console to your TV or monitor, and plug a micro-USB power supply into the panel-mount socket.

We recommend the RetroPie operating system. Download it from <https://retropie.org.uk/download/>, and burn it to a micro-SD card.

Plug a USB keyboard into your Picade.



Plug the micro-SD card into the slot on the Pi, into the slot on the underside of the console, and press the power button. Your Picade Console will boot up.

Connect to Wi-Fi in the RetroPie menu under "CONFIGURE WII". To run the Picade HAT installer, which will set up the joystick and buttons, the coin, and the power button, see the help page by pressing F4 on your keyboard, and type the following:

```
curl https://get.pimoroni.com/
python3 boot.py
```

Press 'Enter', then follow the instructions on screen.

PEW PEW PEW! Your Picade Console is now set up and ready to go!