



Retro TV Raspberry Pi Case V2



fantasticmrdauid

[VIEW IN BROWSER](#)

updated 19. 7. 2025 | published 19. 7. 2025

Summary

A retro TV case for Raspberry Pi based on a Toshiba Blackstripe. Includes a "no-signal" splashscreen for RetroPie.

[Gadgets](#) > [Computers](#)

Tags: [retro](#) [retrogaming](#) [raspberrypi](#) [raspberrypicase](#)
[retropie](#) [retropiecase](#) [television](#)

Retro TV case based on a Toshiba Blackstripe I made for a Raspberry Pi 3B to run RetroPie and play cartoons. Designed to fit a Pi with a 3.5 inch HDMI MPI3508 LCD display and audio module hat.

[Some demo videos here.](#)

V2 features the following improvements over the [original](#):

- Redesigned shell to fit an audio module.
- Added external access slot in the back for the Pi's micro SD card.
- Adjusted the viewport size to eliminate gaps between the 3.5" display and the TV shell.
- Removed the Pi case; the Pi is now mounted to the back piece which allows for much simpler opening and access to the Pi and USB ports.

In addition to the print you'll need:

- Raspberry Pi (I used a 3B but it should also fit a 4 or 5)
- 3.5 inch HDMI MPI3508 LCD display (such as [this one](#))
- Pi speaker expansion board (such as [this one](#)).
- HDMI flat flexible cable (such as [this one](#)). For a Pi 3B I used A2 + A2 + 5cm cable from the link.
- Right angle micro-usb adapter (such as [these](#)) to allow power cable to be connected from the back of the TV. Pi 3B uses the “down” version. For Pi's 4 and 5 that may need more clearance for the right angle USB-C adapters (such as [these](#)) please print the corresponding USB-C versions of the base and back.
- SD card with RetroPie (or whatever you want to run)
- 3x M2.5x5 screws for the Pi
- 4x M2.5x5 screws for the shell
- 2x M2.5x8 screws for the antennae
- 2x M2.5x8 screws for the base
- 3x M2.5x8 screws for the back
- A wireless controller or keyboard

Optional:

- 30mm 5V fan (such as [this one](#)) + 3x M3x10 screws. I also used a [JST 2-pin extension cable](#).

All parts should be printed with supports. The front is printed as multi-material.

OS Configuration Notes:

I used the following values in my `/boot/config.txt` to reduce the display output to 4:3.

```
overscan_left=-10
```

```
overscan_right=35
```

CHANGE LOG

July 19 2025

- Added screw ports to back and shell to secure fit. The back can now be used for both USB -C and USB Micro.

Feb 1 2024

- Added thicker USB-C adapter versions of back and base for Pi 4 and 5.

Jan 20 2024

- Tweak shell and base depth for better back fit.

Jan 16 2024

- Shifted Pi position to eliminate left side black bar. Updated overscan values.

This remix is based on



Retro TV Raspberry Pi case

by fantasticmrdauid

Model files



antenna_base.stl



antenna.stl



knob.stl



front.stl



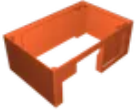
base.stl



viewport.stl



base_usb_c.stl



shell.stl



back.stl

License

This work is licensed under a
[Creative Commons \(4.0 International License\)](#)



Attribution

- ✗ | Sharing without ATTRIBUTION
- ✓ | Remix Culture allowed
- ✓ | Commercial Use
- ✓ | Free Cultural Works
- ✓ | Meets Open Definition