



Bring Your Own Pi Gaming Kit Instructions:



Thank you for purchasing the Bring Your Own Pi Gaming Kit. This kit is intended to be plug-and-play for the Raspberry Pi. It is compatible with the Raspberry Pi 2, 3, and 3+. The operating system for this product is called RetroPie, which can be freely downloaded [here](#).

Note: Downloading copyrighted ROMs is illegal. You're probably going to do it anyway but realize that if you get caught doing illegal stuff it's not our fault.

Tools Required:

- Philips Screwdriver (for assembling the enclosure)
- Hands (for doing all the things, though you could probably still do it with your feet maybe?)
- Fingernails (for removing the masking from the enclosure)

Tools Optional:

- Hobby knife

Step 1: Check the Parts

Your kit should contain the following items:

- 2 SNES-style controllers
- Laser Cut Enclosure Kit
- Pre-loaded microSD card (inside an SD adapter)
- HDMI cable
- Power supply

If you're missing anything it's probably because it's still in the box or we forgot it. If that's the case please e-mail us at makertradingpost@gmail.com and we'll get your fixed up.

Step 2: Assemble the Enclosure

[Please follow the Laser Cut Enclosure Kit assembly instructions available by clicking this link.](#)

Step 3: Plug Stuff In

Now that your Pi is inside the enclosure it's time to plug stuff in.



MicroSD Card – Remove the microSD card from the adapter and insert it into the Pi. Make sure the card is pushed in all the way but don't force it! If the card won't go in with gentle pressure it's probably upside-down. Turn it over and try again.



Controllers – The two controllers can be plugged into any of the four USB ports.



HDMI Cable – Plug the one end of the HDMI cable into the port and the other into your HDTV or computer monitor. Again, make sure the cable is fully pushed in (but don't force it.)



Turn it On (aka: Plug in the power cord) - When the above is done its time to fire this thing up! Turn your TV or monitor on and change the input to the appropriate

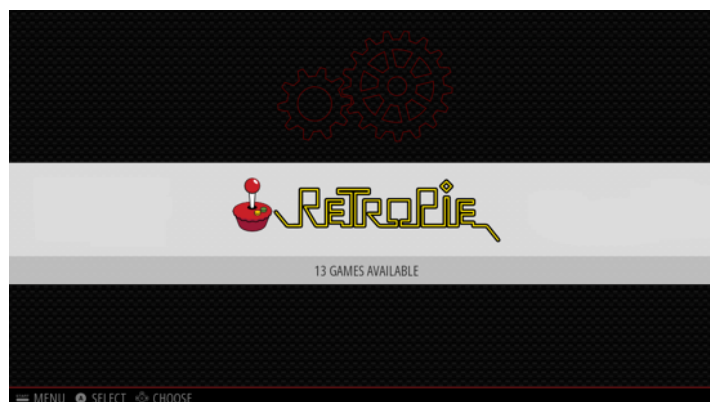
source. Plug the power adapter into a 110VAC outlet and plug the microUSB connector into the power port of the Raspberry Pi. The lights on the Pi should start blinking and the RetroPie logo should appear on the screen.

Troubleshooting: If it doesn't work, be sure to double check all connections (unplug and plug them back in just to make sure) and be sure the correct source is selected on your TV or monitor. If you try everything you can think of (including turning everything off then turning it back on again) and can't get it to work, email us at makertradingpost@gmail.com and we'll help you out.

Step 5: Navigating



You should be presented with this splash screen on your TV or monitor if everything is happy. If not, see the troubleshooting section above. After a few seconds you'll be presented with the EmulationStation front end that looks like this:

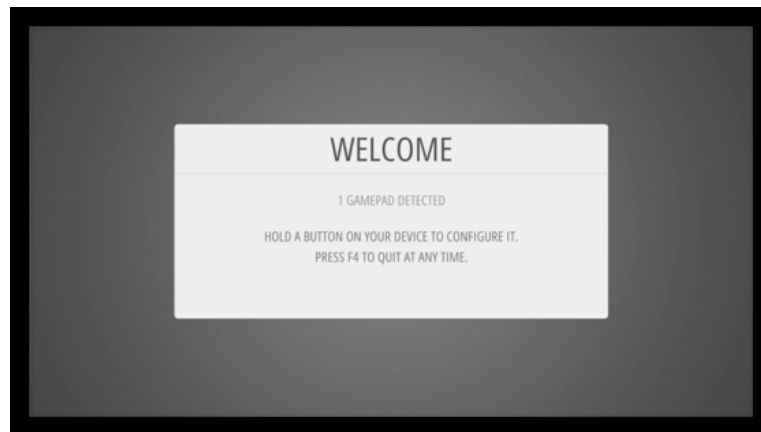


We pre-set the controller configurations in the image so you should be presented with this screen next. Use the left and right arrows on the direction pad to navigate between the RetroPie menu and each game system that you have games installed for. Select your choice with the 'A' button and use the 'B' button to go back.

Ending a Game:

To end a game and select a new one, hold down both the **'START'** and **'SELECT'** keys on the controller simultaneously. This will take you back out to the game system menu.

Controller Setup:



If you are presented with this screen it means that your controllers are not set up. We use a pre-loaded image that preconfigured the controllers so you probably won't see this image. If you do, setting up a controller takes just a few minutes. Hold the **'A'** button to begin.



Follow the instructions on the screen. Hit the button that corresponds to the description on the left. When you run out of buttons, hold down a button you previously configured for a few seconds to skip to the next line. Continue doing this until the **'OK'** prompt is highlighted then hit the **'A'** button to confirm. When you are prompted to set up a HotKey, select **'YES'** using the **'A'** button and continue.

To configure additional controllers or change a configuration hit the **'START'** button and select **'CONFIGURE INPUT'** using the **'A'** button.

Step 6: Loading ROMs

“Isn't downloading copyrighted ROMs illegal?” you ask? Yes, yes it is. So we're not going to tell you how to do it. As a law-abiding citizen, you should only download and install games that Open Source (aka Homebrew) or Shareware. While it's easy to find copyrighted ROMs for various game systems using your favorite non-Google search engine (like DuckDuckGo) and watch tutorials for finding them on YouTube, you shouldn't do it. If you do go looking for them (you shouldn't), make sure your ad-blocking software is enabled, your antivirus is up to date, and you're using “incognito” or “private” browsing modes on your browser just to stay safe. A lot of the sites are riddled with pop-ups and malware so you could get more than you bargained for. Don't say we didn't warn you!

Now, if you have found some nice, Open Source, homebrew, or shareware ROMs to play its time to get them installed! The easiest way to do it is to grab a USB drive of suitable size and follow these instructions:

- (Ensure that your USB drive is formatted to FAT32 or NTFS)
- Create a folder called retroPie on your USB drive
- Plug the USB drive into the pi and wait for it to finish blinking
- Pull the USB drive out and plug it into a computer
- Add the roms to their respective game system folders (in the retroPie/roms folder)
- Plug the USB drive back into the raspberry pi
- Wait for it to finish blinking
- Refresh EmulationStation by choosing restart EmulationStation from the start button menu

For other ways to load ROMs onto the Pi using FTP or SSH, please refer to [RetroPie](#).

Other:

Adjusting Audio:

Audio can be adjusted by selecting “RetroPie” from the EmulationStation menu and selecting **'AUDIO'** using the **'A'** button. From this screen you can change the output from HDMI to headphones, and adjust the volume. To adjust the volume, connect a USB keyboard and select **'4 Mixer – Adjust output volume'**. The volume can be adjusted from the game pad but you need a keyboard for the “Escape” button.)

For all other information such as WiFi setup and advanced configurations, please visit [RetroPie.co.uk](#).

Homebrew ROMs:

[Dinothawr](#) - Dinothawr is a block pushing puzzle game on slippery surfaces.

[Micropolis](#) - City simulator game similar to SimCity.

[Super Mario War](#) - Super Mario-style multiplayer game.

[Super Tux](#) - Side-scrolling 2D game featuring Tux the Penguin.

Enjoy!