

Raspberry Pi Game Streaming Machine



The Raspberry Pi Game Streaming Machine enables you to stream Steam games installed on another gaming PC in your house directly to your TV.

Requirements

1. A Steam account
2. A PC with Steam and games installed, connected to the same network as the Game Streaming Machine.

How it works

Ensure your normal gaming PC is powered on, connected to the network and is running Steam. This machine will act as the 'host'.

For the best experience, it is strongly advised that you connect the Raspberry Pi Game Streaming Machine to the network using a wired ethernet connection.

1. Connect the micro HDMI cable to the Game Streaming Machine
2. Connect the standard HDMI end of the cable to a free HDMI port on your TV
3. Connect your keyboard/mouse to a USB port on the Game Streaming Machine.
4. Plug in the included power supply to your Game Streaming Machine
5. Power on the Game Streaming Machine
 - a. Basic - The machine will power on as soon as you connect the power supply
 - b. Premium - Press the power button on the rear of the machine

6. Switch your TV to the HDMI source your Game Streaming Machine is connected to
7. Once the machine has booted, login to your Steam account
8. You should now see all the games you have installed on your 'host' machine.
9. Select a game and click the 'Stream' button (located where the 'Play' button usually is).
10. First time only: Steam will install the required drivers on the host machine to enable streaming
11. Your game will launch and begin streaming to your TV

Initial Setup

1. Steamlink will launch once the Game Streaming Machine has finished booting.
2. It will automatically start scanning for machines running Steam on the network.
3. Select the machine you wish to stream from.
4. A 4-digit code will be displayed on the TV, enter this code on the PC running Steam.
5. If you have a Steam controller, use the option to pair it. If you want to use another controller, skip this step for now.
6. Steam will now test the connection to your PC.
7. Once complete, press "Start" to begin the streaming session.
8. You can now access your Steam library on your TV.

Connecting a non-Steam controller

To connect a non-Steam controller (e.g. PS4, Xbox, etc), you will first need to exit Steam. Do this by pressing the Escape (ESC) key on your keyboard. If you are prompted to "End streaming session", do so then press Escape again to close SteamLink and take you to the Raspberry Pi desktop.

1. Click the Bluetooth icon at the top right of the screen (near the clock).
2. Select "Add device"
3. Put your controller into pairing mode (see "Pairing Mode" below)
4. After a few seconds, the controller should appear in the list of devices listed as "Wireless controller" or something similar.
5. Select this device and add it.
6. You may get a prompt that connection failed. Simply press the 'home' button on your controller (e.g. 'PS' button on Dualshock 4, "Guide" button on Xbox One controller)

Pairing Mode

Playstation Dualshock 4

1. Hold the Playstation 'PS' and Share buttons at the same time until the light bar starts rapidly pulsing.



Xbox One Controller

Ensure you have a Bluetooth version of the controller.

1. Turn on the controller by pressing the Guide button.
2. Hold the pairing button on the top of the controller for three (3) seconds to put the controller into pairing mode.



Other Bluetooth Controllers

For other controllers, please refer to the controller's manual for how to activate pairing mode.