



Birdly® Setup Manual

PSVR 2 Headset Inc. Adapter

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1 General

1.1 Headset details

Manufacturer	Sony		
Product name	PSVR 2		
Release	2023		
Screen	OLED		
Image Resolution	2000 x 2040 per eye.		
Max. Frequency	Up to 120hz		
Tracking	Inside out tracking		
Head strap	Fixed strap with knob to adjust		
Audio	Extra		
Additional Info	Need of PSVR2 to PC adapter and Bluetooth adapter		

The PSVR 2 is available worldwide and can be found at most consumer electronics and online stores.

1.2 Face covers

The full-face cover and all parts that come into contact with the face are easy to clean and require no additional effort.

1.3 Characteristics and Features

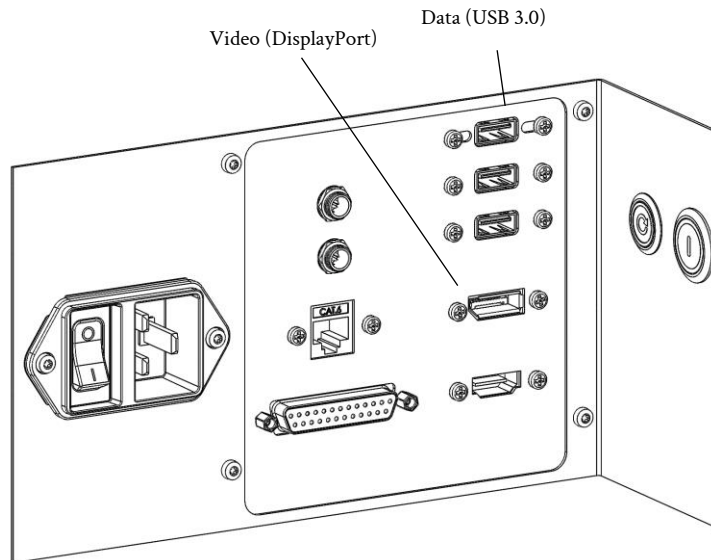
- The HMD only requires the adapter.
- The controllers are only needed during the initial installation or for recalibration.
- There is a power button located underneath the headset.
- If the Birdly does not have Bluetooth, a USB Bluetooth adapter is required.



2 Installation

2.1 Install headset

The PSVR 2 must be connected at the bottom connector box of the flying platform.



The PSVR2 adapter must be connected at three points: once to the DisplayPort, once to the USB port, and once directly to a power outlet.

The USB Bluetooth adapter can be plugged into any available USB port.

The PSVR2 does not require any additional sensors or trackers.



3 Software Setup

3.1 HMD Installation



IMPORTANT

Make sure to calibrate the headset as explained below and not with the SteamVR setup, which starts automatically. Otherwise, there will be a blue grid or circle shown on the headset. If that happens, perform the calibration again, as explained below, to remove it.

Step 1

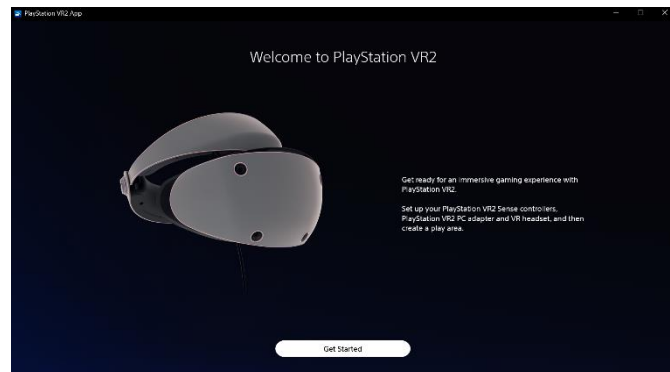
Install the PSVR app from Steam



Step 2

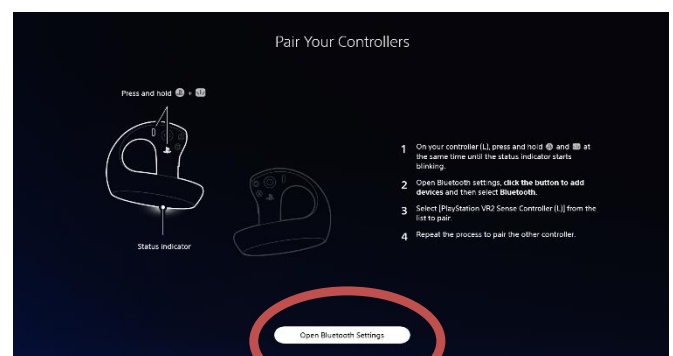
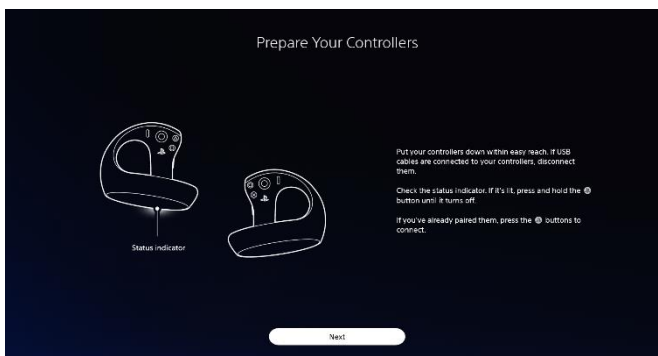
Place the headset on top of the chest cushion. The headset must look straight forward.

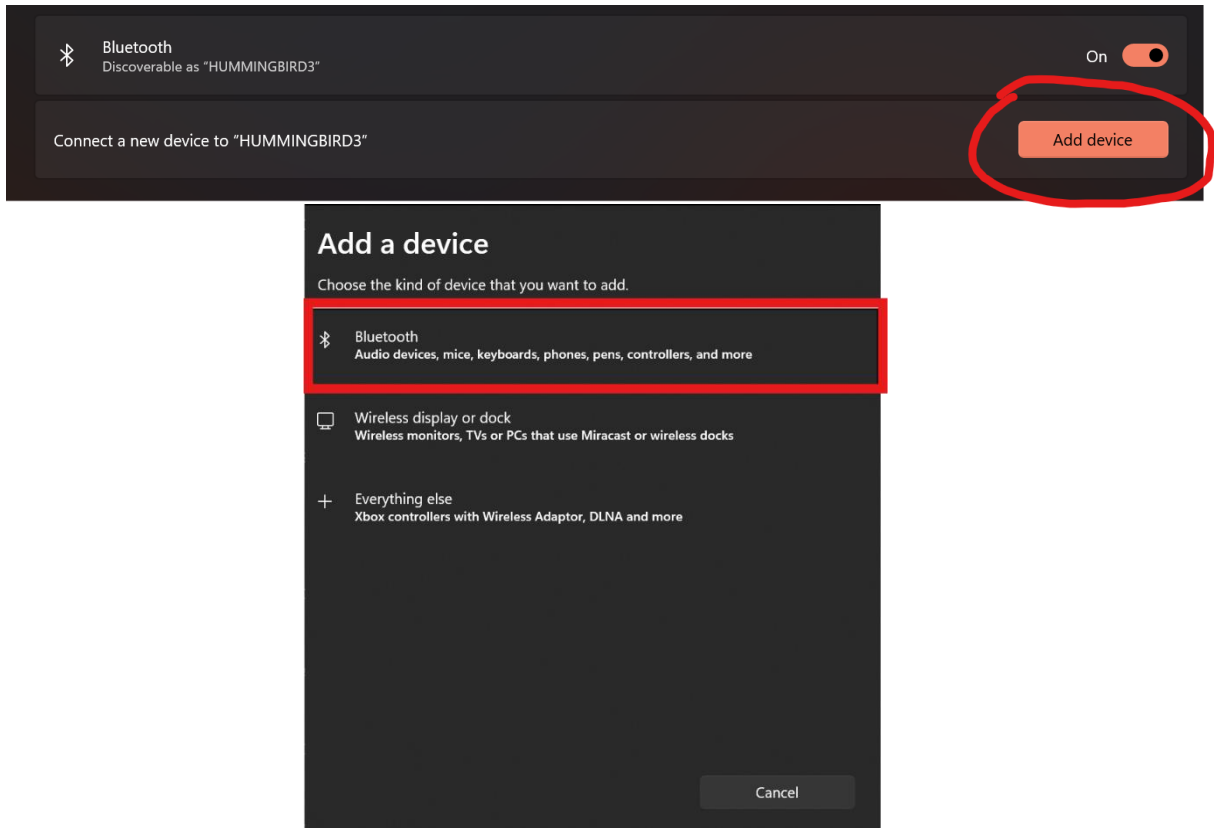
Start the application and follow the instructions.



Step 3

Connect the controllers to the PC.





Step 4

Go back on PSVR 2 Application

Step 5

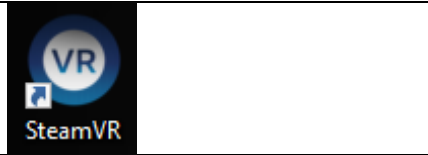
Follow the instructions of the application and complete the process.



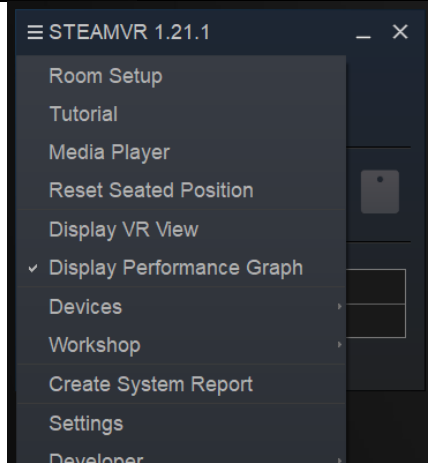
3.2 Settings

3.2.1 SteamVR settings

Open SteamVR on the computer desktop.

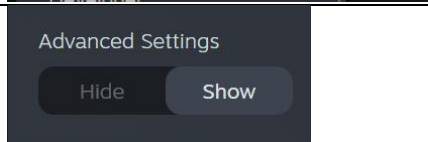


Click on the title at the top of the SteamVR window to open the dropdown menu.



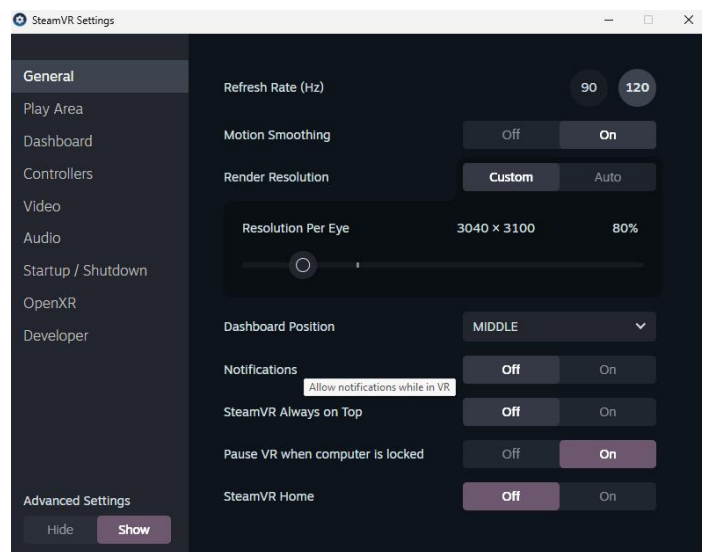
Select "Settings".

Enable advanced settings at the bottom



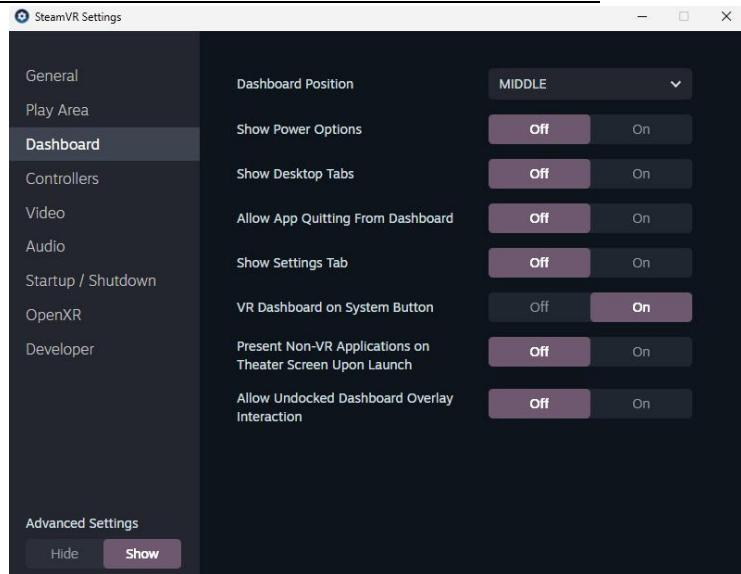
General settings

Change settings as seen in the image. Set the initially refresh rate to **90Hz** if this works well then you might change to **120Hz**.



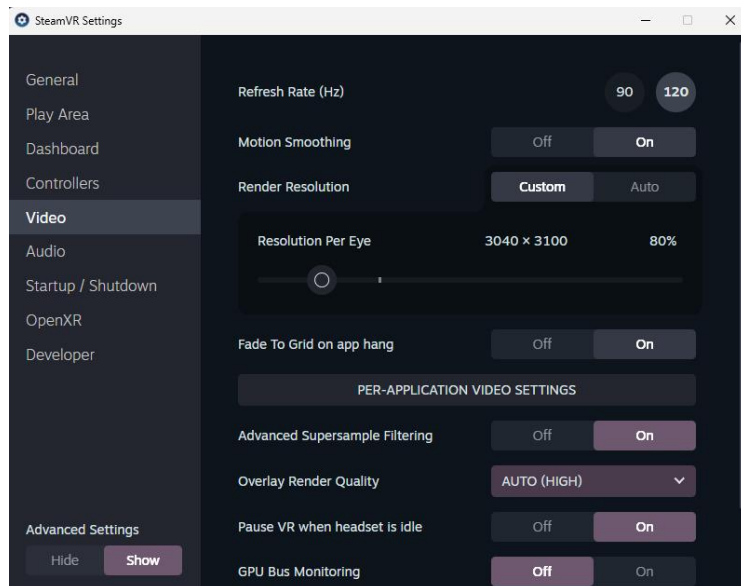


Dashboard settings
Change settings as seen in the image.



Video Settings
Change settings as seen in the image.

Make sure that Resolution per Eye is set to 80%. Different percentage can cause scaling issues with the experience.

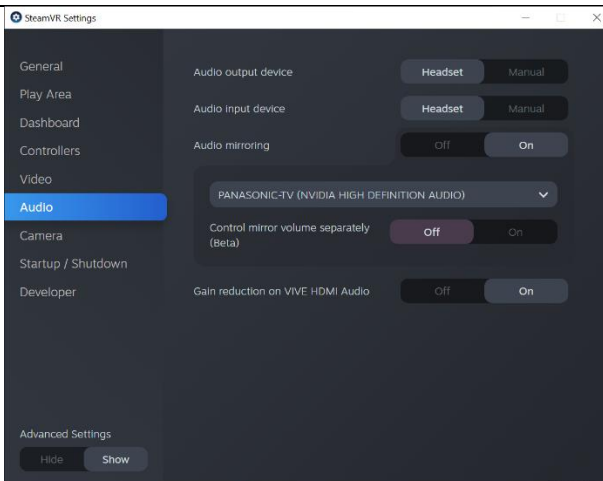


3.2.2 Mirror audio to TV

It's possible to mirror the game's audio to a tv. You can do this in the steamVR Audio settings

Enable audio mirroring.
Select the output device you would like to mirror the game audio to.

In the example on the right, we have selected the TV connected to also output audio.





4 Troubleshooting

Issue	Solution
HMD Screen is black and status LED on the front of headset has no light	<ul style="list-style-type: none">• Headsets does not receive power.• Check if HMD is properly connected (DC power).• Check if the power supply is receiving power.
HMD Screen is black and status LED are blue	<ul style="list-style-type: none">• Headset is not recognized or SteamVR not initialized.• Start SteamVR and check possible error message.• Start HTC Console and check possible error messages.
HMD Screen is Blue or Gray	<ul style="list-style-type: none">• Headset is not tracking properly.• Mirrored surfaces (windows) in the direct vicinity can cause tracking problems
Sound is very quiet or no sound at all	<ul style="list-style-type: none">• Check the audio settings as described in chapter 3.2.2.
The image flickers, has “snow” over the screen and/or the sound is weird/distorted	<ul style="list-style-type: none">• Possible broken headset/cable.• Unplug and re-plug all cables. Restart Steam VR.• Test headset with a different application and possibly with another computer.• Contact your vendor or headset manufacturer to report a possible broken headset.
Part of the headset is broken	<ul style="list-style-type: none">• Please contact the vendor or manufacturer of your headset.
I can see a blue grid or blue circle	<ul style="list-style-type: none">• SteamVR calibration has been done incorrectly.• Re-calibrate headset as described in chapter 3.1.

For more information, please visit the support page of the vendor:

www.playstation.com/de-ch/support/hardware/psvr/