

Chem VR: How to Start

Android mobile: slides 3-8

VIVE: slides: 9-26

(no apple versions available at the moment, look forward to
it in a later version!)

Mobile Controller

You should be seated when using ChemVR mobile

- You cannot see your surroundings or your virtual self while in the headset and may run into things if you are standing (SAFETY WARNING!)
- You will be more comfortable sitting for the duration of the experience.
- You can look all around (up, down, left, right, behind) and your head position while looking around will be tracked (just like in real life).
- Use a swivel chair, if possible, so you can easily turn around and face in other directions while in the headset

Download the APK here

https://drive.google.com/open?id=1qN5t7EltNOljB2RiALP2cv_jo0kAh7b0

Getting your Controller Paired to your Phone

-Turn on your controller press the On button

-Press and hold till the light flashes

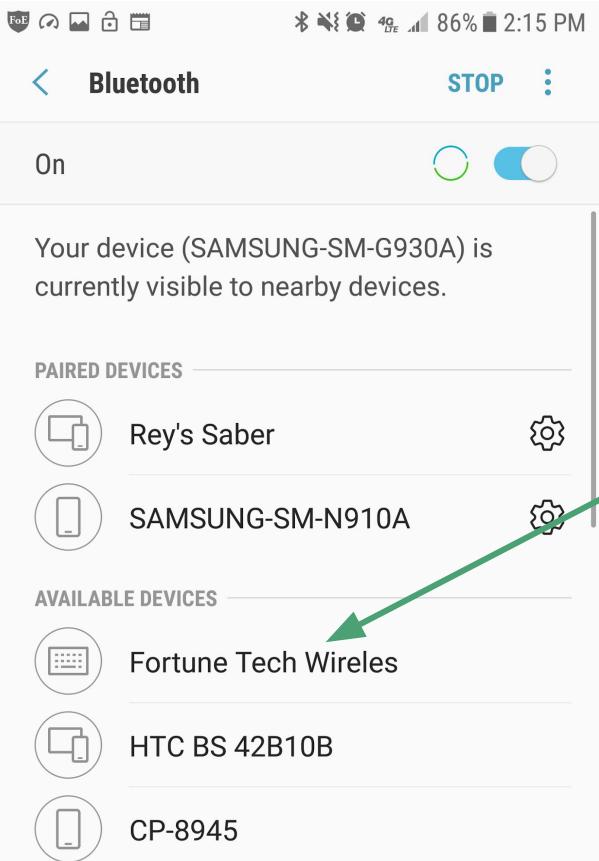


Power Button:

**Press and hold till the light goes on/off
press this button to pair the controller**

**with your phone
make sure the light is blinking while pairing**

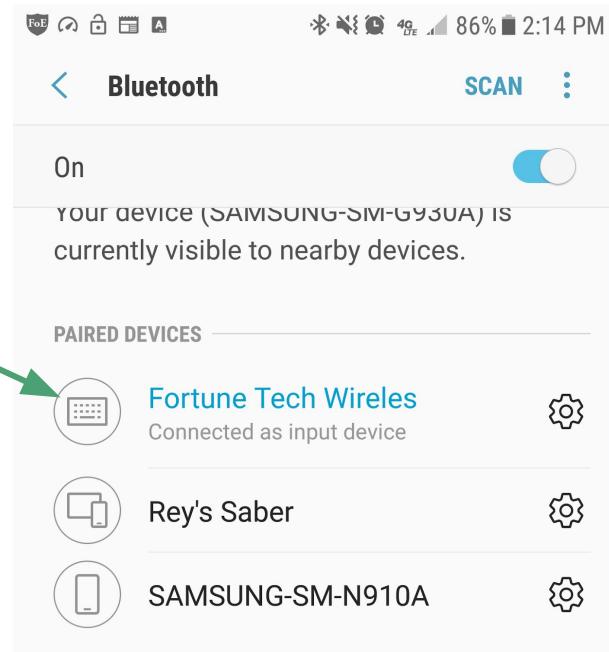
Pairing your bluetooth



After turning on the controller

Select the Fortune Tech Wireless

and pair the device

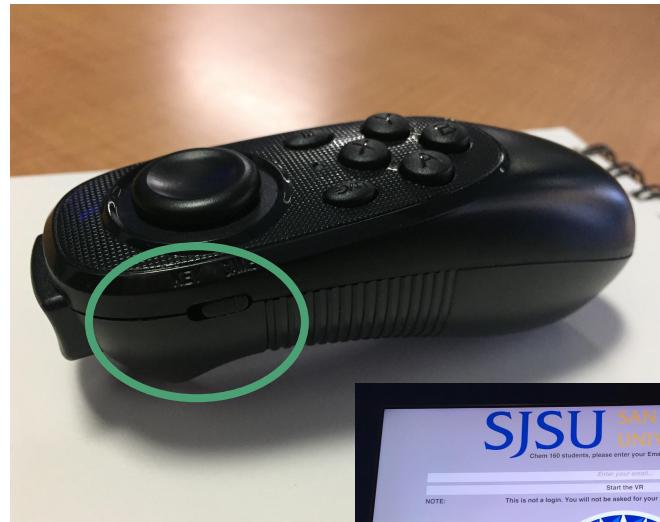


Make sure your Controller is in Game MODE

-If your controller is in key mode it will act as a cursor. Make sure to keep it in game mode (shown on right).

-Open the app, type in your email
and press start (shown on bottom right).

-Place your phone into the headset;
press the button on the top to pop open
the headset and press back to snap it in place



Thumbpad: (mode dependent)

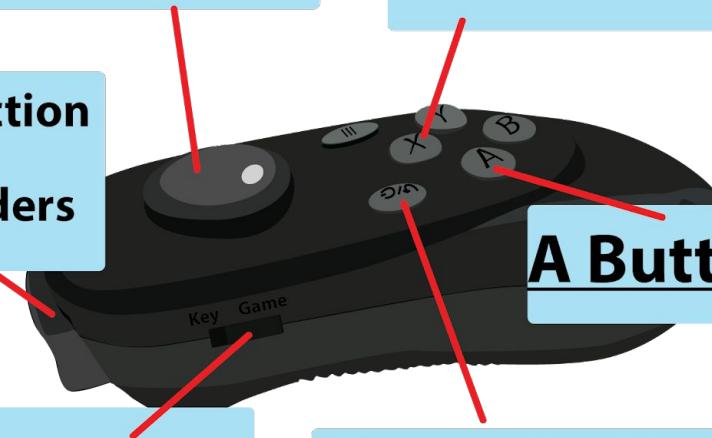
Movement Mode: Moving around the room
Laser mode: moving the laser

X Button: Toggle Thumbpad Modes

Laser Mode: Laser Control
Movement Mode: Movement Control

Trigger: Menu Items Selection

ex: buttons, tabs, arrows, sliders



A Button: Toggle Menu On/Off

GAME Mode: Keep in Game Mode ALWAYS

Power Button:

Press and hold till the light goes on/off
press this button to pair the controller
with your phone
make sure the light is blinking while pairing

Using the VIVE

Reserve the KLEVR Lab

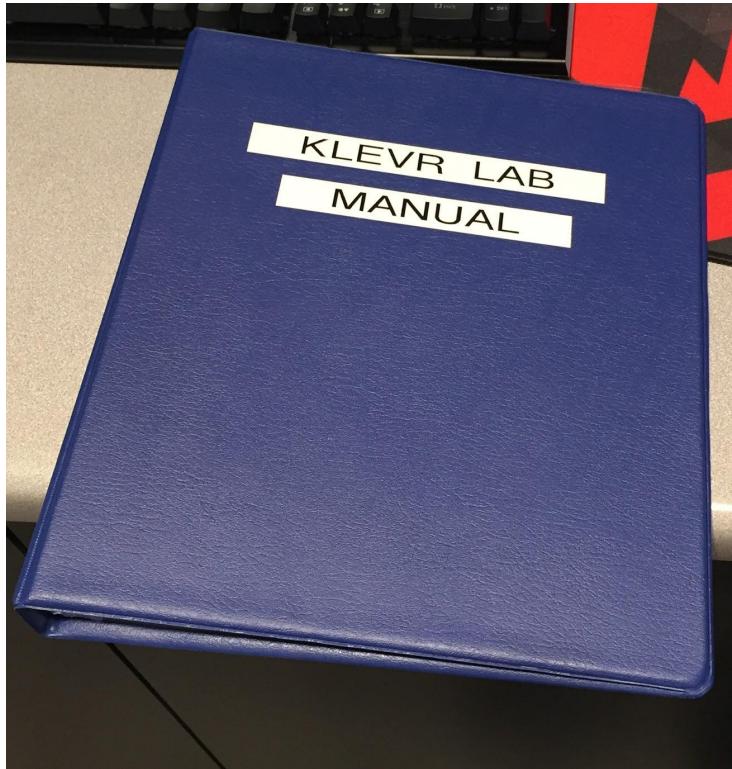
Go the SJSU library and book the room:

<https://booking.sjlibrary.org/spaces?lid=3691>

- Located on the 4th floor library go to the computer services and tell them you reserved the room
- have your student ID out and tell them you want the VIVE controller

Your booking will be 3 hours make sure you turn in the vive and the key **before your time** or risk a **\$10 fee per item** (\$20, \$10 for the vive and \$10 for the key)

Read the blue binder manual to set up the Vive



-The manual tells you how to turn on the tv and computer and plug in the headset but does not tell you everything

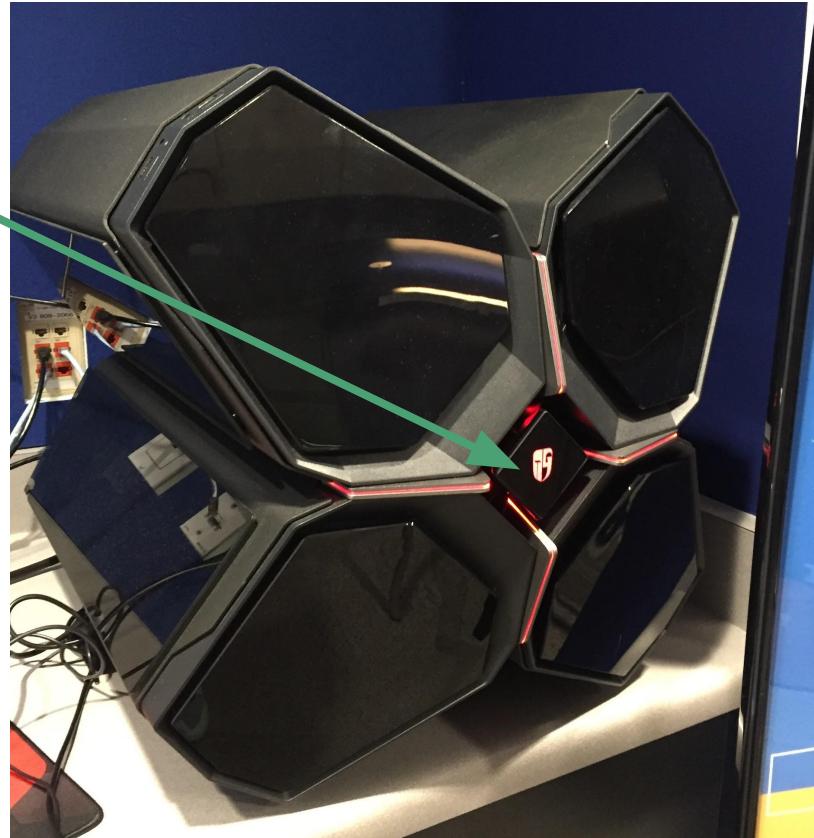
Turn on the monitor

-Press the Power button



Turn on the Computer

Press the center button to turn it on



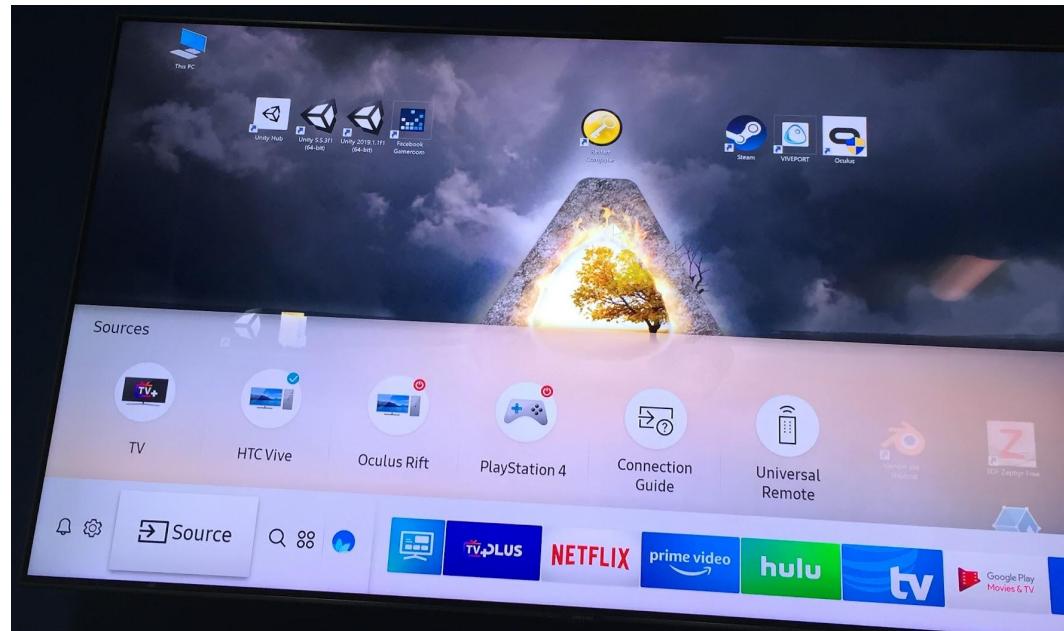
Turning on the monitor (part 2)

-make sure it is on HTC VIVE HDMI



If it is not on the correct setting...

-Navigate to the source
and press the button to get to
HTC VIVE



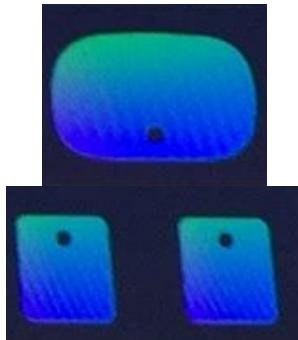
Plug in the headset

Find the hTC box and plug in the corresponding cables to their ports



Setting up, Click on the ChemVR application

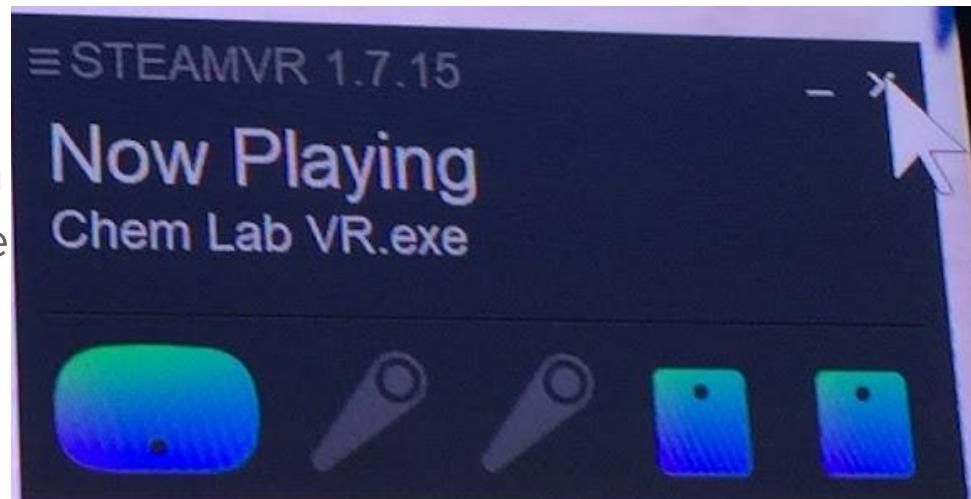
The STEAMVR window will pop in the corner



-this icons means the sensors can see the headset

-These are the sensors, called
Lighthouses

-These are the controller icons which turn
blue when your controller are seen by the
lighthouses



Turn on the controllers

- Turn on the controllers by pressing this button
 - you should see a green button and feel a vibration
- the first controller you turn on is ~~will~~ usually be your right hand controller and the second will be your left hand controller
- please put on the straps after turning the controller on.





General Tips:

-  **Green:** ready for use.
-  **Blue:** in pairing mode and searching for a heads^{et}.
-  **Blinking blue:** controller is in 'Pairing mode'
-  **Blinking red:** Low battery
-  **Orange:** Controller is charging
-  **White:** fully charged
-  **Off:** The controller LED will be off when your controller isn't powered on.

Launching the Application

-You should see this “Made with Unity” icon.



-Then in this window, enter your email then press the start button.



Put on the headset

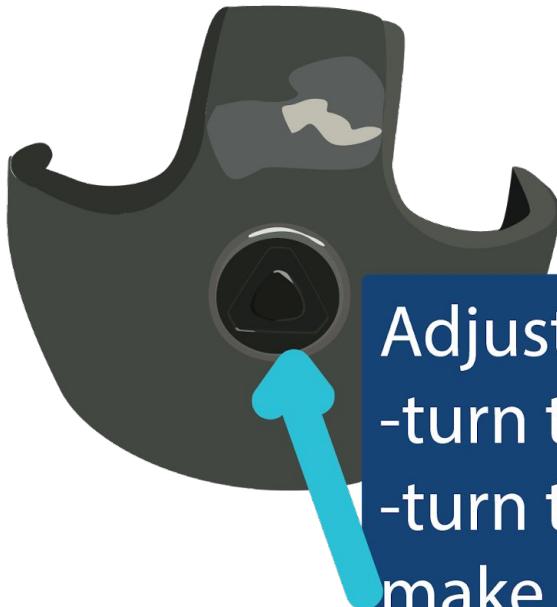
-Place the headset on your head.

It might be too big or small.

-Tighten it or loosen it with the knob on the back



Back Knob



Adjusts the sizes of the headset:

- turn the knob left to loosen the headset
 - turn the knob right to tighten the headset
- make sure this is comfortable but not too loose
that the headset slips or looks blurry

Adjusting your vision

-Turn this knob to change the distance
between the lenses of the VR headset



Adjust Lens Knob:
-adjusts the distance between the lens
to sharpen the image

Put the headphones to your ears



-Push the headphones down onto
your ears

All Set and Ready to Go!



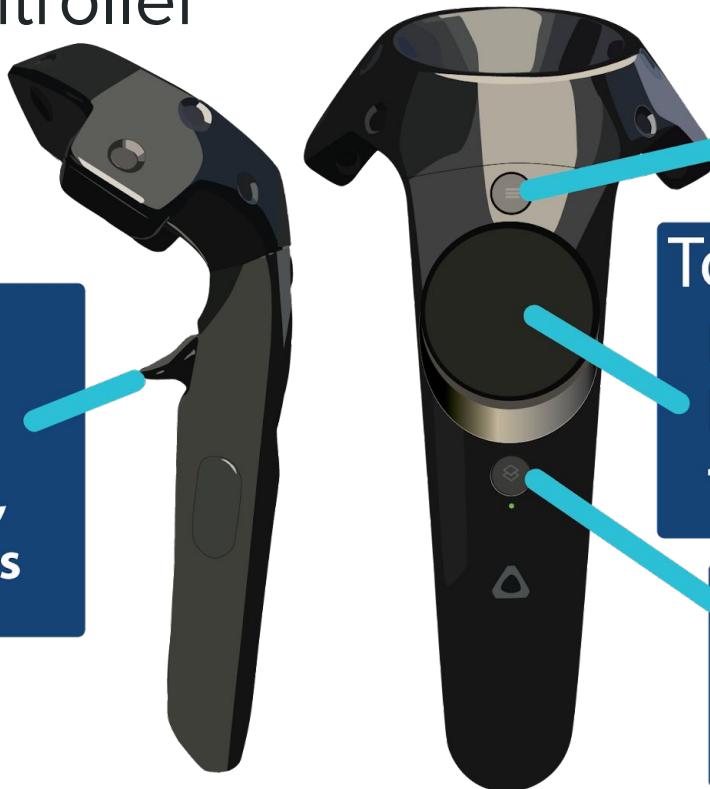
General Tips:

**Don't forget to walk around in the environment!
This is VR you can physically walk around the room
and move your body and head up and down.**

**Look at your controller to see your in-game hand
move as well.**

Caution: a blue cross hatched virtual wall should appear if you move close to the real wall indicating that your hands/body should not physically move beyond it.

VIVE Controller



Trigger:

Select Items
buttons, tabs,
arrows, sliders

Menu Button:
Press to open the pressure
and variables menus

TouchPad:

Press down and hold
hover over location you want
to teleport to then release

VIVE Menu Button:
Press to exit the game
and go to Steam