lumination

Lumination Learning Lab

Quickstart Guide

lumination

A place for deeper learning.

Lumination Learning Labs are state-of-the-art educational environments that allow students to use Virtual and Augmented reality technologies in a way that is uniquely immersive.

In this guide you'll find:

RESOURCES

LAB MODES	03
VR EQUIPMENT	04
VR HEALTH AND SAFETY	05
GETTING STARTED	06

We're here to help you get the most out of your Lab. Please feel free to contact us at any time using the support number on the back of this guide.

Happy learning!

The Lumination Team

Lumination Learning Lab Modes

01 Classroom mode

Turns the Lab into a flexible classroom environment for a variety of use cases. Utilise the projectors as presentation or media displays.

02 Virtual Reality mode

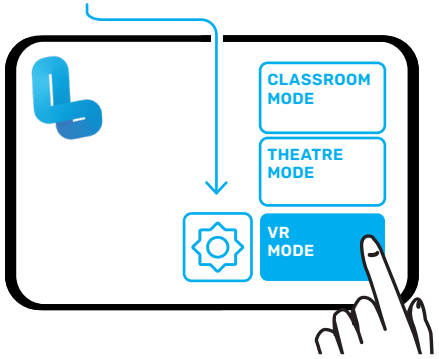
Sets the stage for immersive Virtual Reality (VR) learning experiences, and automatically launches VR software on the PCs.

03 Theatre mode

Combines the displays into one panoramic screen to show content and facilitate group interaction.

The automation tablet

Use the automation tablet to configure the Lab with a single touch. It functions as a smart hub for your Lab to control lights, blinds, and more. You can use the preset modes or control each part separately with **individual component control.**



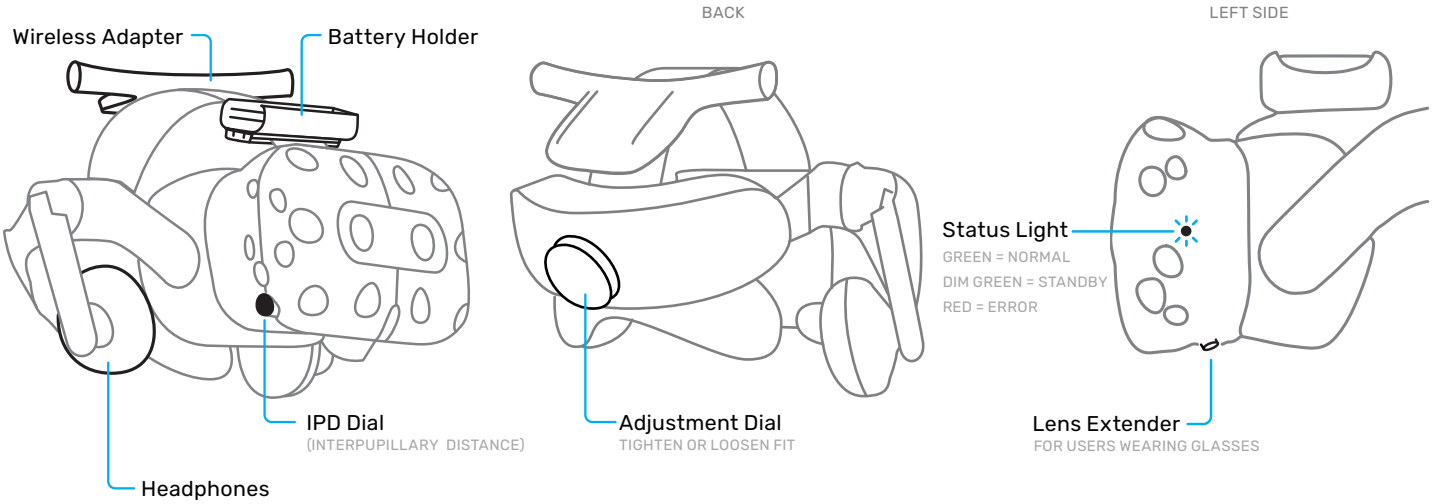
What does each mode do?

	CLASSROOM MODE	VR MODE	THEATRE MODE
LIGHTS	On	Off	Off
BLINDS	Up	Down	Down
VR STATION LIGHTS	Off	On	Off
DISPLAYS	Separate	Separate	Merged

Learning Lab VR Equipment

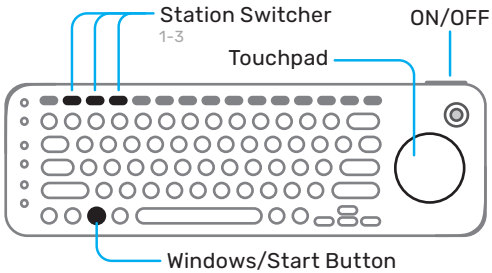
The VR headset

Vive Pro Eye



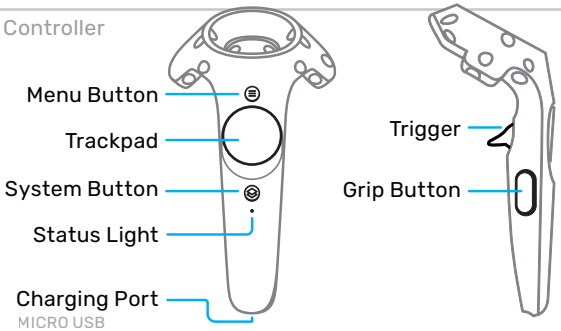
Control Keyboard

Logitech Smart TV Keyboard K600



Controllers

Vive Controller



Health & Safety Virtual Reality

IPD (Interpupillary Distance)

Why is accurate IPD important?

IPD is the distance between pupils, measured in millimetres. The **IPD dial** on the headset adjusts the distance between lenses, to match the user's IPD and provide a comfortable experience.

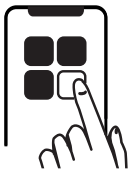
Setting the headset IPD correctly will help make the image appear clearer and reduce eye strain.

Misaligned IPD or improperly adjusted headsets can cause blurry images, dizziness, and eye strain.

Ways to measure IPD:

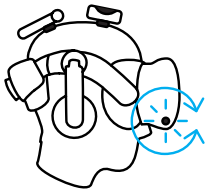
Use a ruler to measure the distance between pupils.

OR



Use a third-party eye-measuring app.

OR



Find a 'sweet spot' with the headset IPD dial.

Suggested IPD Measuring App

We suggest using the **GlassesOn** mobile app to measure IPD. All you need is a mobile device and a non-monetary card with a magnetic strip.

GlassesOn
iOS APP STORE
SCAN QR CODE TO DOWNLOAD

GlassesOn
GOOGLE PLAY STORE
SCAN QR CODE TO DOWNLOAD

VIRTUAL REALITY HEALTH & SAFETY

- Limit sessions to 10 minute intervals.
- Sanitise headsets and devices between users.
- Ensure space is clear of objects and hazards.
- Supervise users at all times when using VR.
- If a user feels sick, stop their VR session immediately.
- People with epilepsy should not use VR.

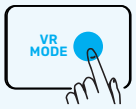
Get Started Running VR Sessions

01

Remember, safety first!

Check all health and safety information before using the Lab.
See page 5.

02



Configure the room

Use the **Automation Tablet** to change the room to **VR mode**.

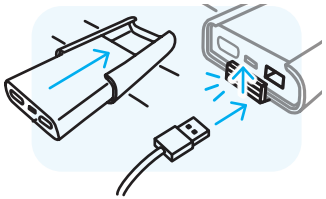
03

Brief users

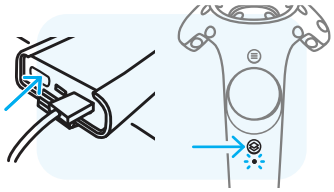
Explain to users how to use Virtual Reality safely, the software and other resources in the Lab.

Setting up a VR session

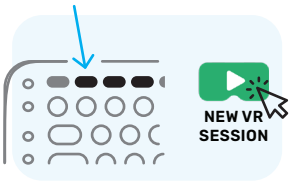
1. Place the headset stand outside the illuminated safe area.



2. Slide a battery into the battery holder, **lock in place** and connect the USB cable.

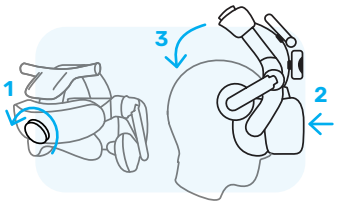


3. Power on battery and controllers.
Repeat 1-3 for all stations.

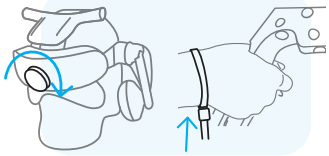


4. Using the Control Keyboard, select a station then open **New VR Session** on the PC.

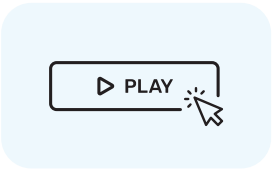
5. Once Steam, SteamVR and VIVE Wireless start automatically, check the headset is recognised.



6. Loosen headset dial, then place headset on user's head face-first.



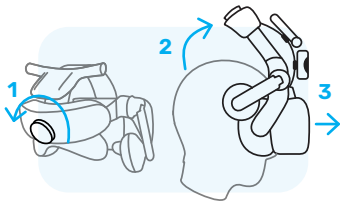
7. Tighten dial to fit, help place controller straps over the user's hands and tighten.



8. In Steam, pick an application to launch and press play.
Repeat 4-8 for all stations.

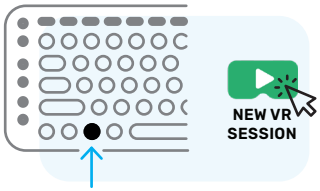
Get Started Running VR Sessions

Swapping users/applications



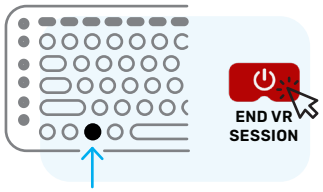
1. Loosen the user's headset and controllers, remove and place on headset stand. Sanitise and fit to next user.

2a. If continuing to use the same application, no further action is needed.



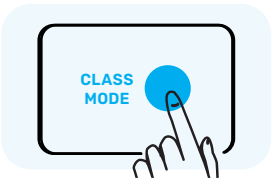
2b. To restart or change apps, press the **Windows/Start Key,** on the keyboard, then select **New VR Session** on the PC.

Ending a session

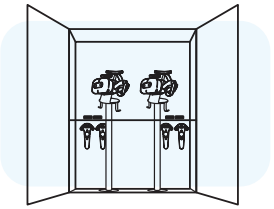


1. Press the **Windows/Start Key** then select **End VR Session** on the PC.

2. Shutdown the PC from the Start Menu. **Repeat steps 1-2 for all stations.**



3. Using the automation tablet, select **Class Mode**.



4. Return equipment to storage and charge for next use.

FOR REFERENCE

Steam is a game distribution service, where you can download, launch and manage games and applications.

SteamVR is a hub within Steam for launching and managing VR games and VR settings.

VIVE Wireless is a program that allows communication between the headset's wireless adapter and SteamVR.

LUMINATION SUPPORT

We're here to help you get the most out of your Lumination Learning Lab. If you have any issues, questions or feedback, please get in touch.

lumination.com.au/contact

1300 833 765