



發展局
Development Bureau



CONSTRUCTION
INDUSTRY COUNCIL
建造業議會

Construction Safety Week 2020

Virtual Reality Safety Training User Guide & Instructions

The following content does not conflict with the statements, terms and conditions of the Site Safety Gathering 2020.

This guide is prepared for the training application only. Please refer to the user manual in the VR kit box for safety guidance and details.

Disclaimer:

Before using the VR training kit, please read carefully the safety, maintenance and rules of use that come with the package.

User should make sure in good body state before starting the training. If there is any discomfort during the training, stop immediately.

Pregnant women and people who have taken drugs or alcohol should not use this VR kit. If you have recently undergone surgery, or suffer from high blood pressure, heart disease or other long-term illnesses, do not participate in this training. If you have any concern, ask your physician first.

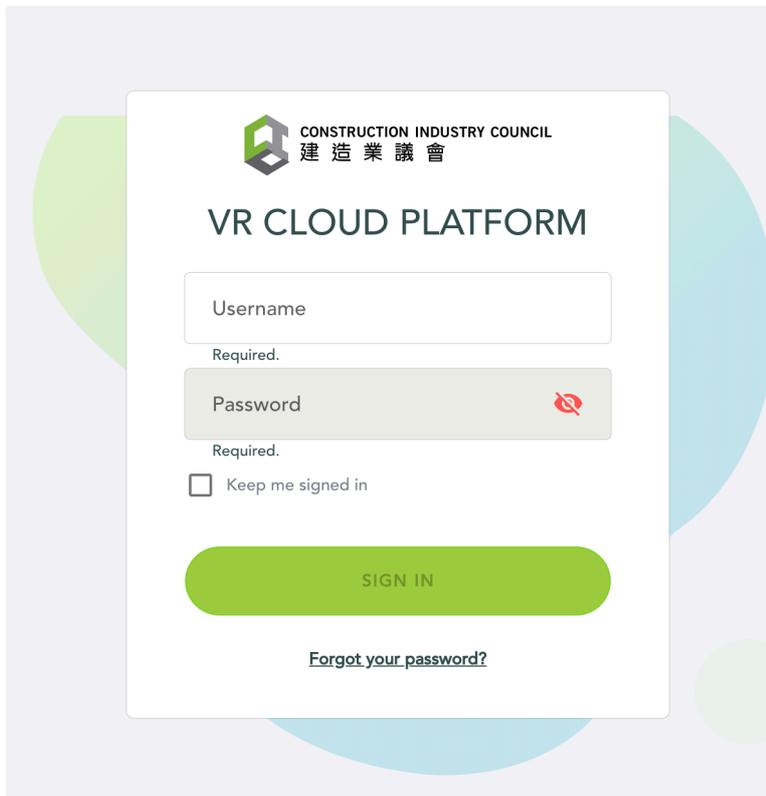
When using the VR kit, you should take off items that are easy to loose (such as accessories and mobile phones).

- It is recommended to use sterile wipes to clean the device before putting it on
- Please experience all training by yourself before instructing others to do so
- It is recommended to remind users of possible stimulating elements to prevent accidents

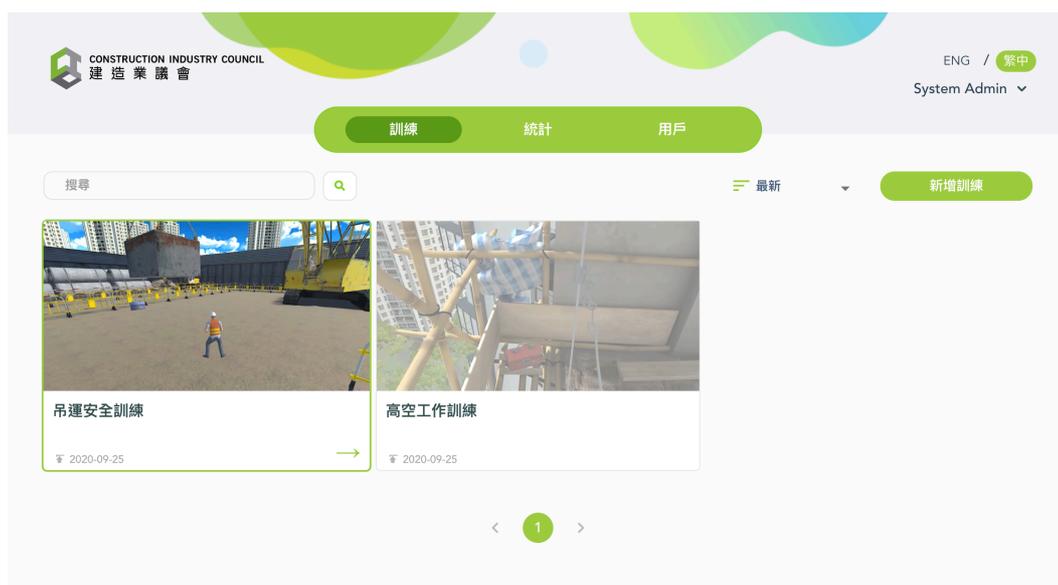
CIC VR Cloud Platform

CIC VR Cloud Platform : <https://ssg.chaintechdev.com>

1. Use computer to visit the cloud platform and log in (use the username and password given by CIC)



2. Select Training



3. Choose Download



4. Select responding VR device



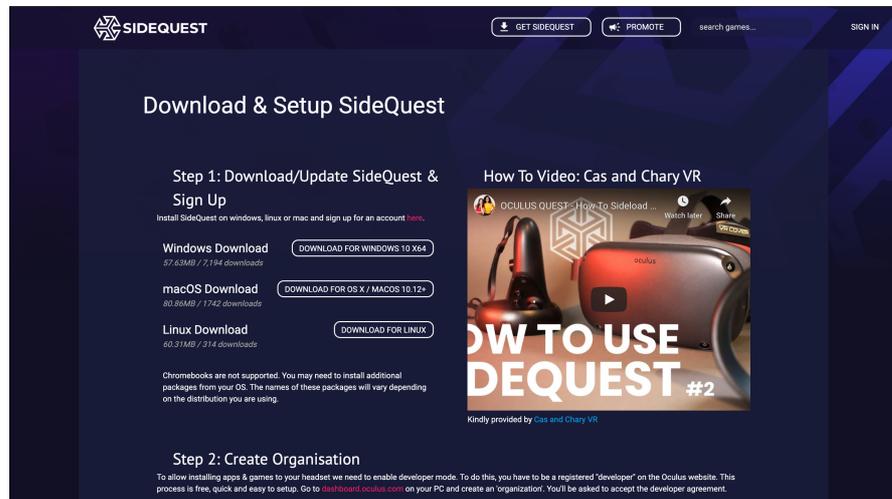
5. Select Download

6. Finish downloading the file and get the authentication code

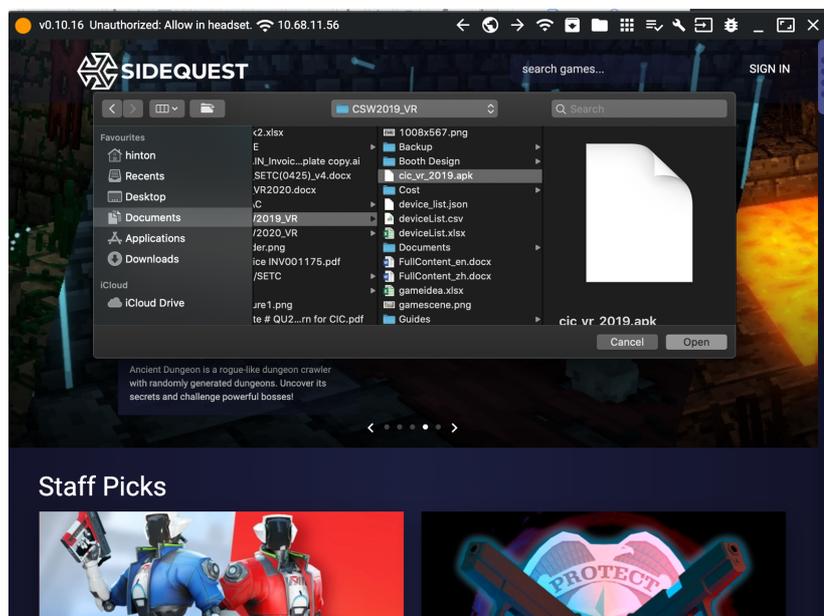
***Enter the authentication code when initializing the training for the first time**

(The following procedures **ONLY** available to standalone VR devices)

1. Visit <https://sidequestvr.com/setup-howto>, download and install the corresponding version to your operation system



2. Turn on the VR device and enable “Developer Mode” (Please refer to the introduction of each device type for more details)
3. Connect the VR device to your computer via the USB port, and authorize the connection inside the device
4. Turn on “SideQuest” and press the following icon



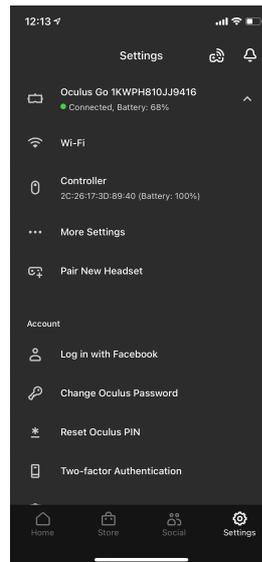
5. Choose the file just downloaded from the cloud platform
6. Installation completed

Oculus GO

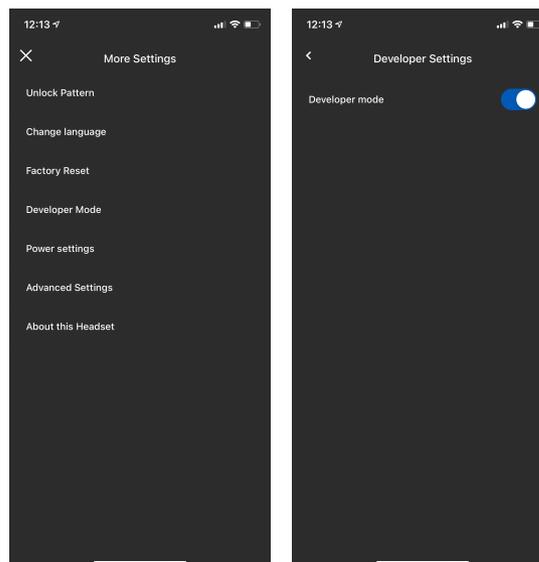
Oculus GO User Guide : <https://support.oculus.com/183135912238400/>

Enable “Developer Mode”

1. Setup the device according to the user guide
2. Connect your VR device to a smart phone app according to the user guide
3. Inside the smart phone app, choose “Settings” and then a connected device

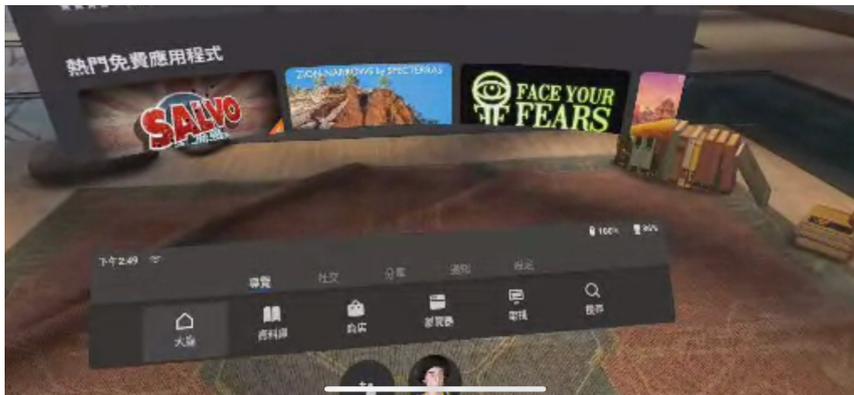


4. Choose “More Settings” and then “Developer Mode”, enable the “Developer Mode” by the toggle

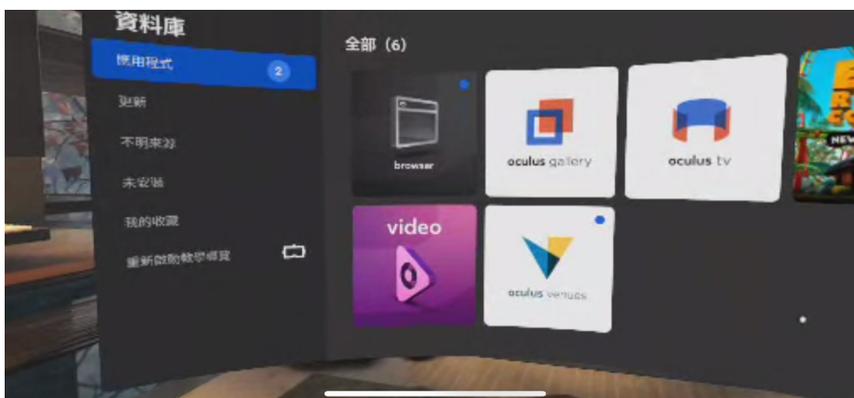


Start VR training application

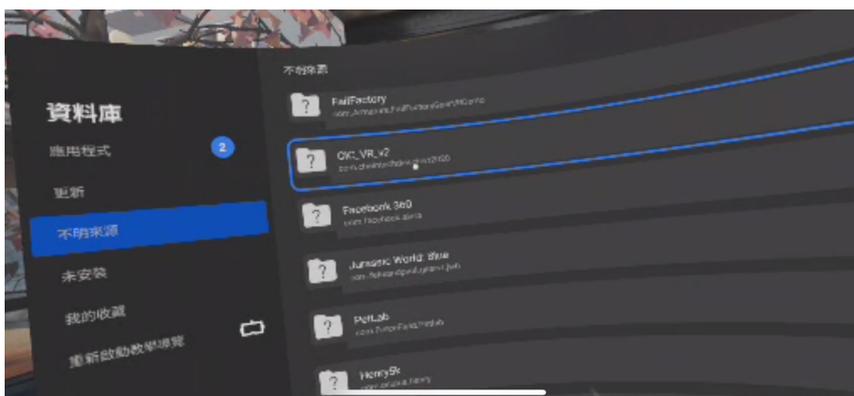
1. Select Library in the main page



2. In the Library, select "Unknown Sources"



3. Select the application



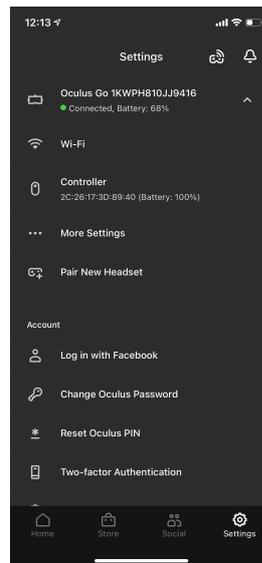
4. Enter the training

Oculus Quest

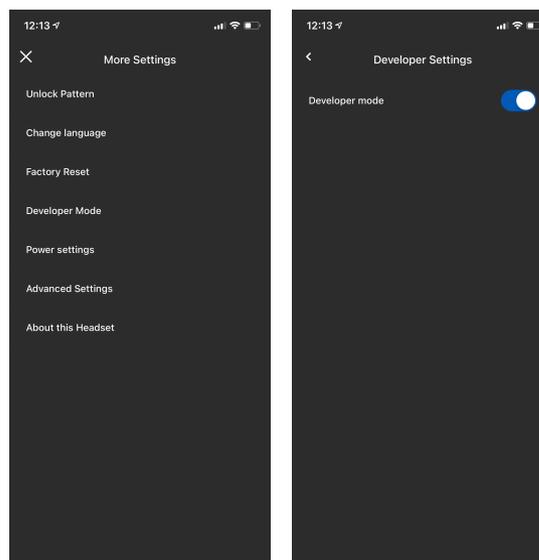
Oculus Quest User Guide : <https://support.oculus.com/855551644803876/>

Enable “Developer Mode”

1. Setup the device according to the user guide
2. Connect your VR device to a smart phone app according to the user guide
3. Inside the smart phone app, choose “Settings” and then a connected device



4. Choose “More Settings” and then “Developer Mode”, enable the “Developer Mode” by the toggle



Start VR training application

1. Select **Library** in the main page



2. In the **Library**, select **Unknown Sources**



3. Select the application
4. Enter the training

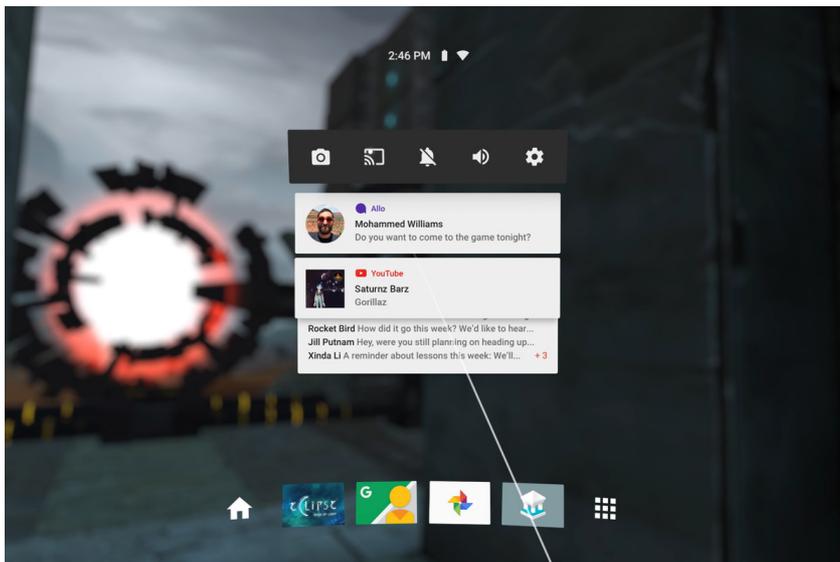
Lenovo Mirage Solo

Lenovo Mirage Solo User Guide :

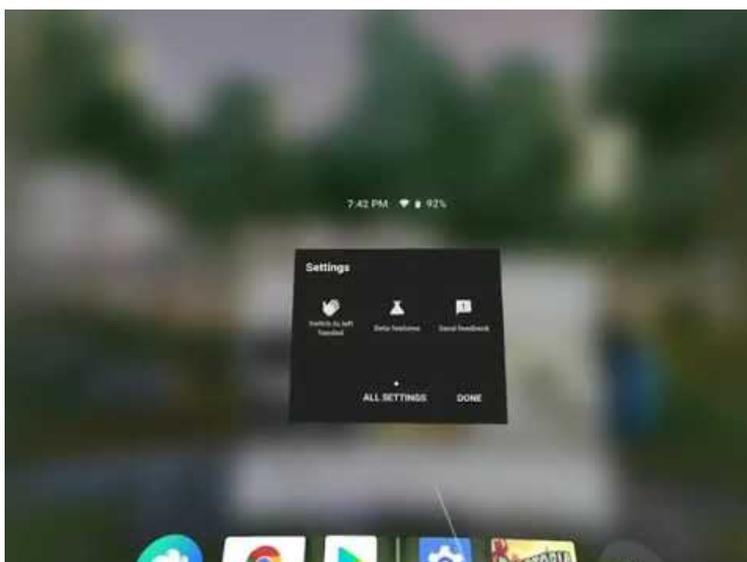
<https://smartsupport.lenovo.com/us/zh/products/smart/arvr/mirage-solo/za3c/solutions/ht506545>

Enable “Developer Mode”

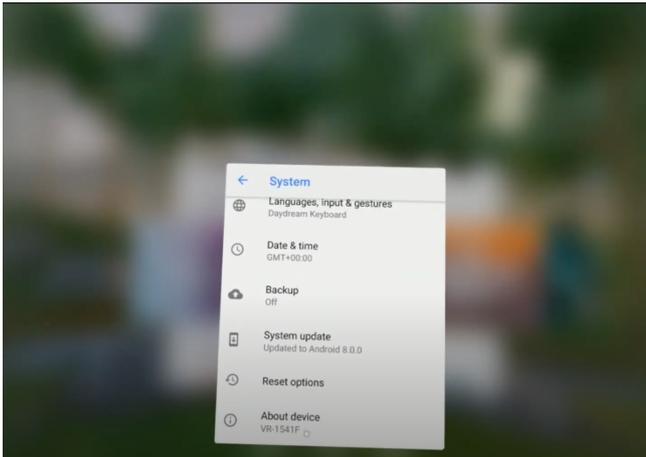
1. Setup the device according to the user guide
2. Press the main button of the controller, and then select the “Settings” icon on the top right corner



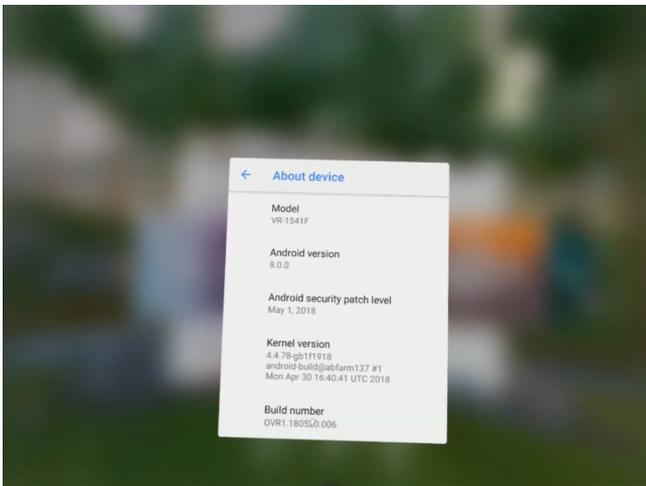
3. Choose “All Settings”



4. In the setting menu, choose “System” and then “About device”



5. Keep clicking “Build number”, until the system reminds “Developer Mode” enabled



6. Back to the previous page, choose “Developer Options”
7. Enable “USB debugging”

Start VR training application

1. Select **Library** in the main page



2. Select the below application



3. Enter the training

PC Desktop (with / without VR devices)

Please start from step 3 if not connecting to VR devices.

1. Download Steam (Official link: <https://store.steampowered.com/about/>)
2. Download and log in Steam
3. Unzip the .zip file downloaded from the cloud platform
4. Select below application



5. Enter the training

Casting with Oculus Go

***Before casting, make sure that your Oculus Go and phone are connected to the same Wi-Fi network.**

To start casting from your Oculus Go headset:

1. Turn on your Oculus Go headset and put it on.
2. From the Universal Menu, select **Sharing**.
3. Select **Cast** from the **Sharing** menu.
4. Select **Start** from the in-VR prompt.
5. On your phone, select the notification to open the Oculus app and begin casting.
 - If you already have the Oculus app open on your phone, select **Start Casting** from the in-app prompt.

To start casting from the Oculus app:

1. Open the Oculus app on your phone.
2. Select  from the top-right of your screen.
3. Under **Cast From**, select the headset you'd like to cast from.
 - Make sure that it says **Connected** under your listed headset.
4. Under **Cast To**, select **This Phone**.
5. Tap **Start** at the bottom of your screen, put on your headset and accept the in-VR prompt to start casting.

Casting With Oculus Quest 2 and Quest

Before casting, make sure that your Oculus Quest and Chromecast device are connected to the same Wi-Fi network.

Casting to your phone from your Quest 2 or Quest:

1. Press  on your right Touch controller to pull up your universal menu.
2. Select **Sharing**.
3. Select **Cast** from the **Sharing** menu.
4. Select **Oculus app** from the list of devices you want to cast to, then select **Next**.
5. Select **Start** from the in-VR prompt.
6. On your phone, select the notification to open the Oculus app and begin casting.
 - If you already have the Oculus app open on your phone, select **Start Casting** from the in-app prompt.

Casting from your Oculus Quest headset to casting-enabled devices:

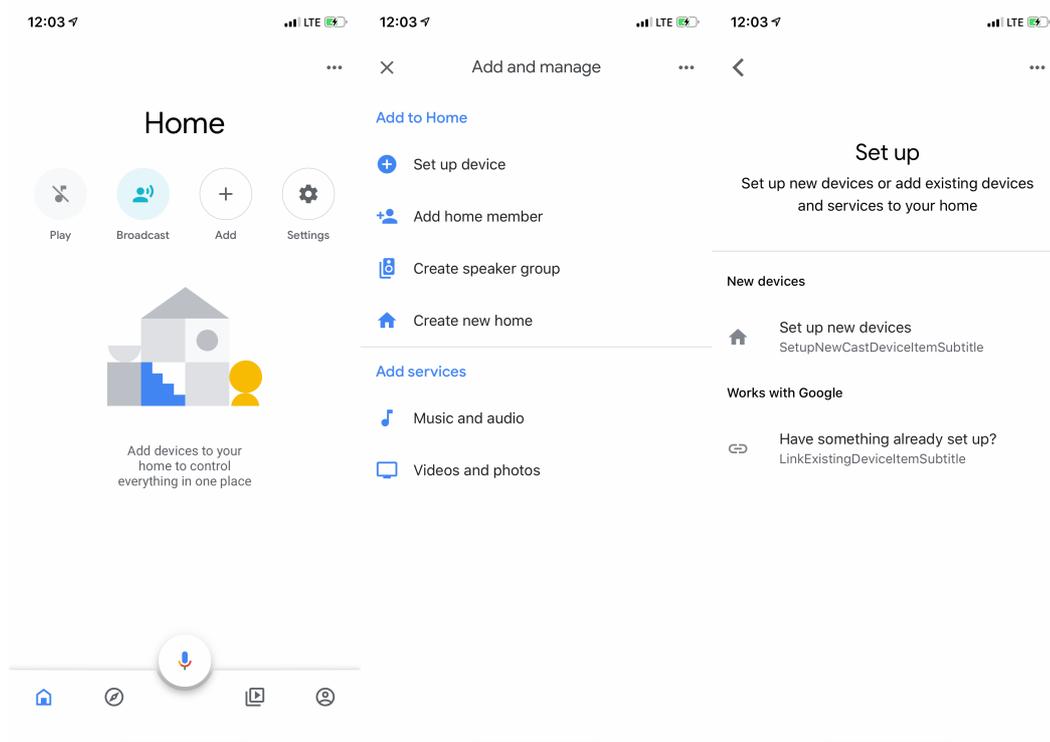
1. Turn on your Oculus Quest headset and put it on.
2. From the Universal Menu, select **Sharing**.
3. Select **Cast** from the **Sharing** menu.
4. Choose the device you want to cast to.
5. Select **Start** from the in-VR prompt.

Casting to your phone from the Oculus app:

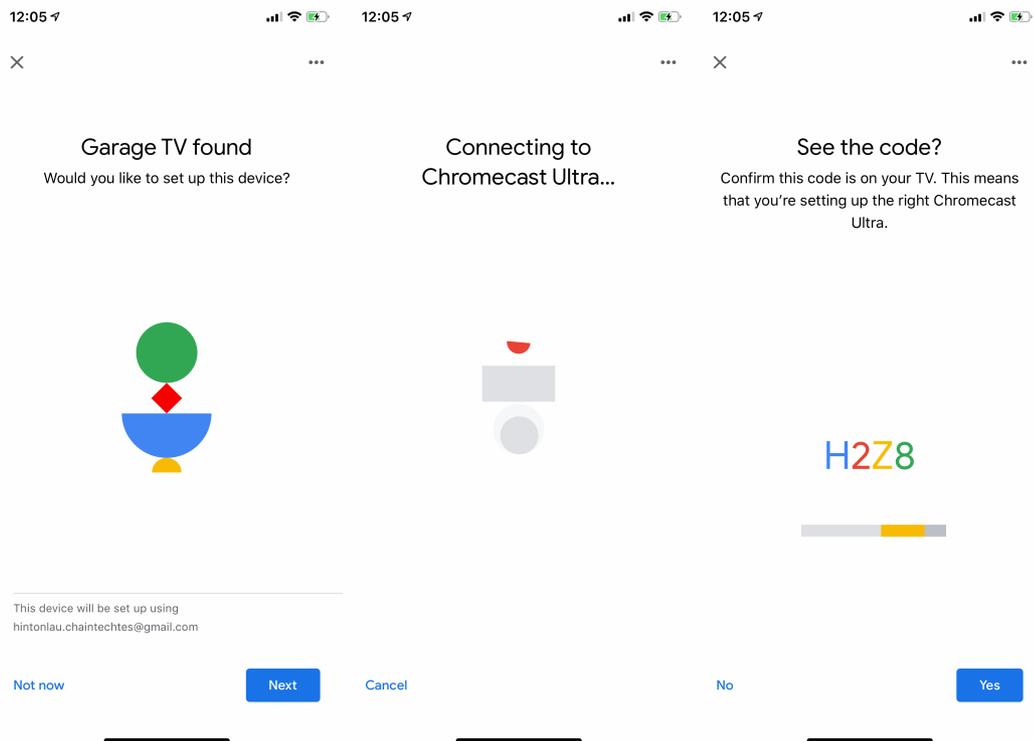
1. Open the Oculus app on your phone.
2. Select  from the top-right of your screen.
3. Under **Cast From**, select the headset you'd like to cast from.
 - Make sure that it says **Connected** under your listed headset.
4. Under **Cast To** select **This Phone** or the **Chromecast device** you want to use.
5. Tap **Start** at the bottom of your screen, put on your headset and accept the in-VR prompt to start casting.

Setting up Google Chromecast (Lenovo Mirage Solo)

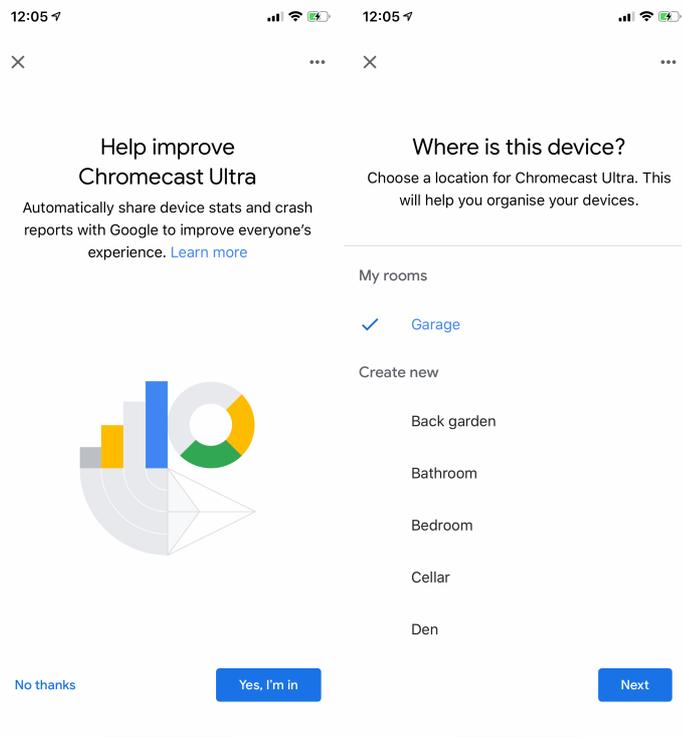
1. Turn on the power of Google Chromecast, and connect to display monitor with HDMI cable
2. Download and install Google Home on smartphone
3. Connect to the internet (either of below methods)
 - a. Connect to the Wi-Fi network with internet connection
 - i. Connect smartphone with the Wi-Fi network
 - b. Connect smartphone to personal hotspot
 - i. Turn on the personal hotspot of the first phone
 - ii. Connect the second phone to the same personal hotspot
4. Turn on the Bluetooth of the second phone
5. Open **Google Home** App
6. Select **Add > Set up device > Set up new devices**



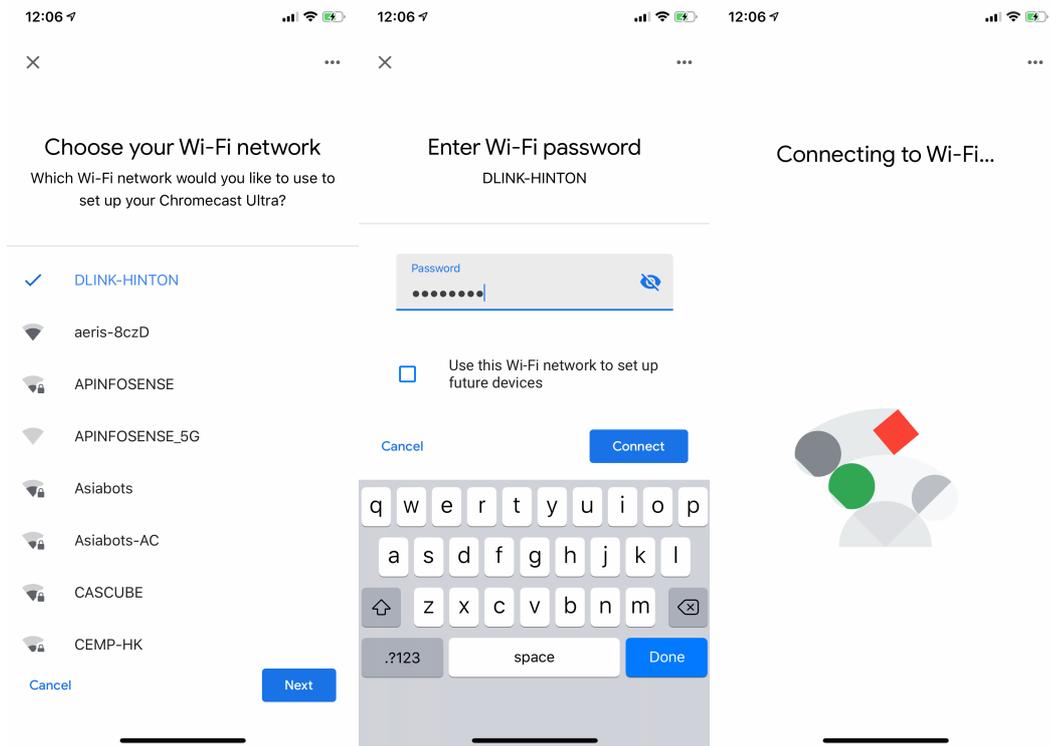
7. When the app found the Chromecast, select **Next**. After connected, press **Yes**.



8. Select **No thanks**, then select an option randomly



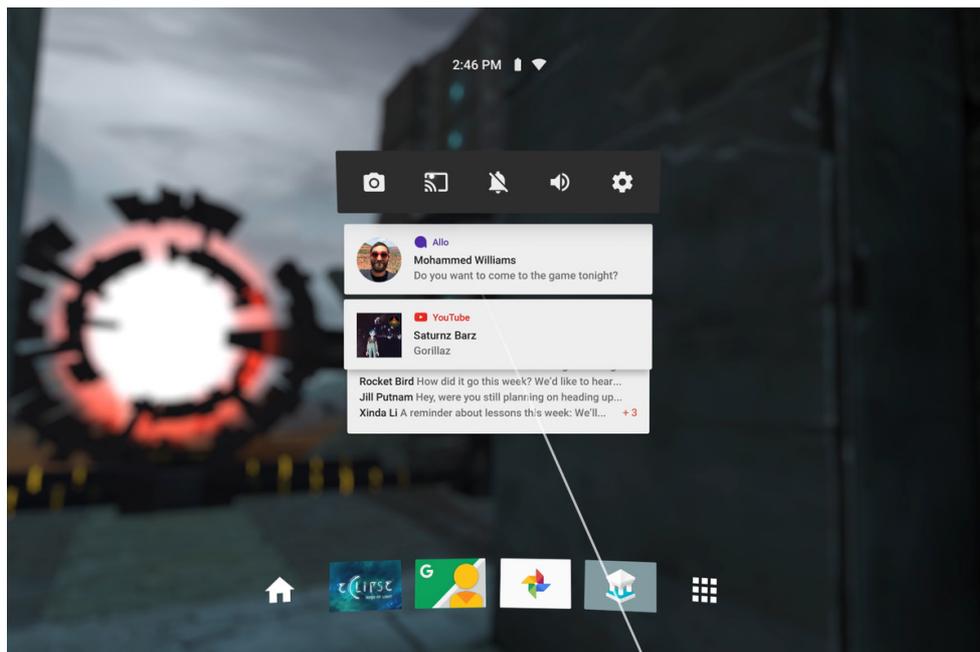
9. Select and connect to the same Wi-Fi network



How to connect Lenovo Mirage Solo VR device with display monitor (via Google Chromecast)

Attention: 10-30MB of mobile data would be consumed every time when connect to the internet

1. Turn on the power of the Google Chromecast, and connect to display monitor with HDMI cable
2. Connect to the internet (either of below methods)
 - a. Connect to the Wi-Fi network with internet connection
 - i. Connect the VR device to the Wi-Fi network with internet connection
 - b. Connect smartphone to personal hotspot
 - i. Turn on the personal hotspot of the smartphone
 - ii. Connect the VR device to the same personal hotspot
3. Connect VR device to the Chromecast



4. Open the training application

Connect PC with display monitor

1. Connect PC to display monitor with HDMI cable
2. Open the training application