

# Cart assembly and installation

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Immersive Learning system  
for use with Oculus Go and  
Pico G2+/4KS



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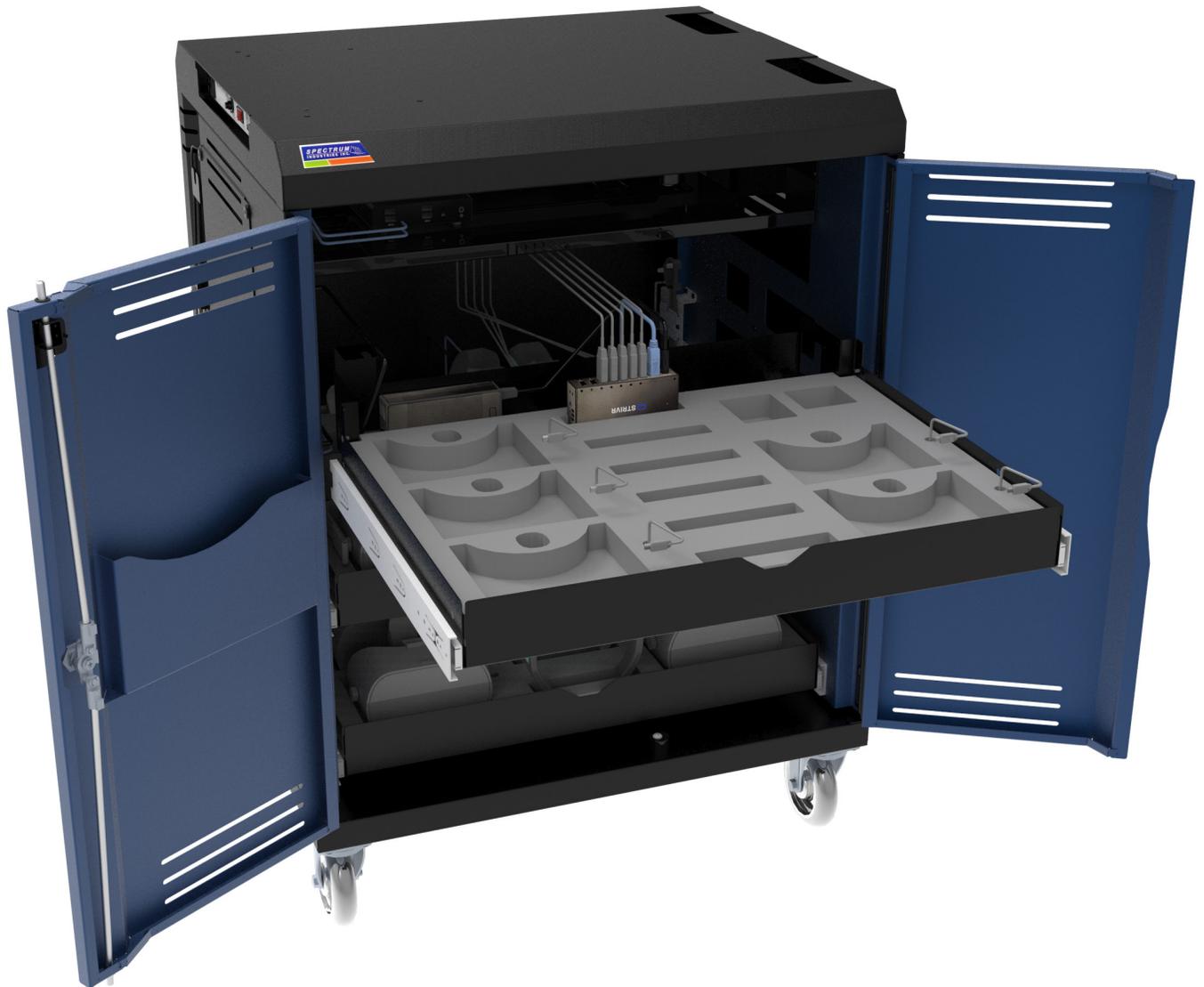
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## Introduction

This document describes how to set up the Strivr Immersive Learning system in a portable cart provided by Strivr.



Regardless of your storage solution, the basic Strivr Immersive Learning system is the same: A Management Device connected to a USB hub, with multiple VR headsets connected to the USB hub. The Management Device connects to the internet to download VR training content and upload reporting information.

You'll find the basic system setup in the Strivr Immersive Learning system User Manual.

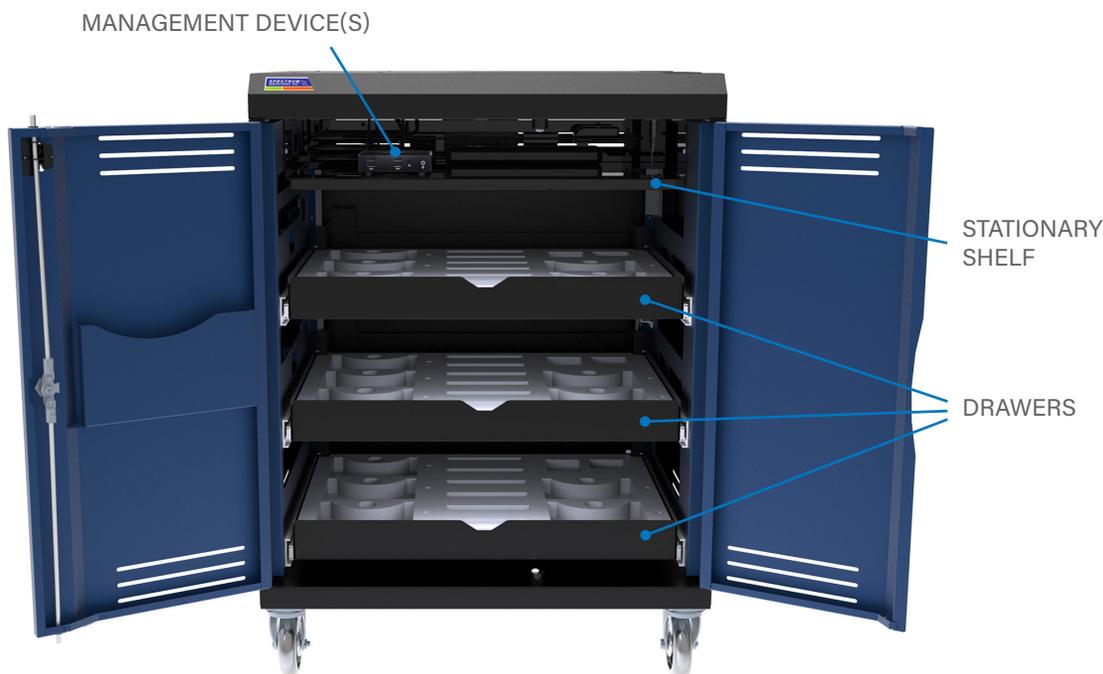
## System setup

### Cart overview

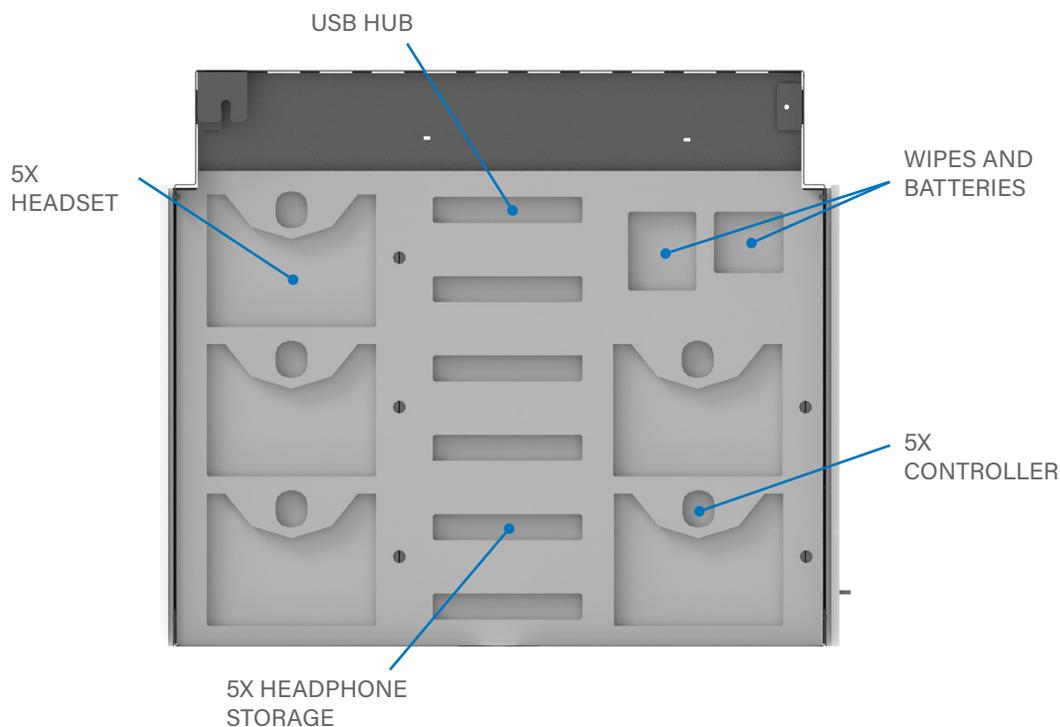
Locate the VR cart. The cart has been shipped to your facility on a pallet. Note that the cart weighs 175 pounds. Once the cart is removed from the pallet, wheel it to the location where you'll be assembling the system and lock the wheels in the ON position. The storage location should have access to a power outlet and a strong internet connection.

The cart can be locked with the provided keys. You can also choose to add your own lock to the doors and the back panel.

Inside the cart are a stationary shelf and three drawers that open and close. To prevent tipping, only one drawer can be open at a time. Management Devices will be placed on the shelf and a USB hub, headsets, and controllers will be placed in the drawers. You'll thread cables through the guide holes on the drawer and inside walls of the cart.

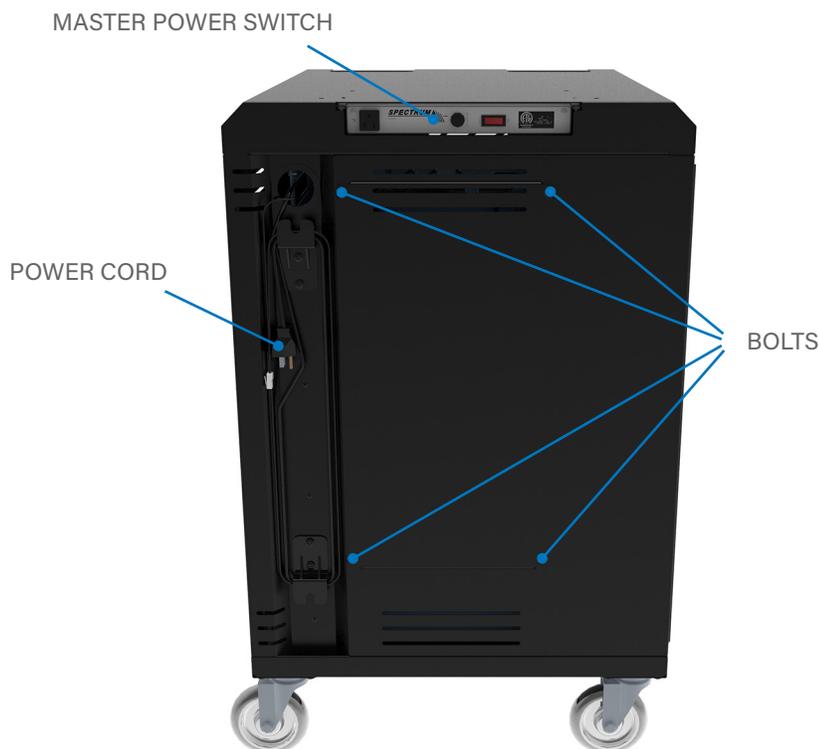


Each drawer includes a foam insert that can hold one USB hub, five headsets and controllers, and five pairs of headphones. We recommend completely setting up one drawer at a time, starting with the top drawer and working down.



**NOTE:** It's important to use the guide holes for cable management. Remember, the drawers must be able to open and close with no interference. The long guide hole in the side of the cart allows cables to slide back and forth.

On the side of the cart are a power cord and a master power switch. Do not plug in and power on the system until you reach the relevant step in these instructions.



### Remove side panel

You may find it easier to assemble the system if you detach the side panel. Remove the four bolts with the 4mm Allen wrench provided in your shipment and set the panel aside. Make sure to retain the bolts to reattach the side panel when you're done with assembly.



### Assemble management device

1. Locate the box containing the Management Device. Unbox the Management Device and the accessories with it:



MANAGEMENT DEVICE



MANAGEMENT DEVICE ANTENNAS



MANAGEMENT DEVICE POWER CORD

2. Assemble the Management Device and place it on the stationary shelf:

- a. Screw the Management Device Antennas onto the Management Device.
- b. Plug the Power cable into the Management Device.
- c. Plug the other end of the Power cable into the cart power strip. The power strip is on the left cart wall above the shelf.



## Assemble USB hub

Next, assemble the USB hub in the drawer. Connect all the cables and then place the hub in the top middle slot of the drawer's foam insert.

1. Locate the box containing the USB hub. Unbox the USB hub and the accessories with it:



2. Pull the drawer open.
3. Assemble the USB hub using the diagram below and place it in the drawer:
  - a. Plug the IEC cable into the cart power strip. Feed it through the guide holes in the side wall of the cart and then through the guide hole in the side of the drawer. (You can clip the cable into the guides within the side wall of the cart.)
  - b. Plug the power brick into the USB hub.
  - c. Plug the other end of the IEC cable into the power brick.



- d. Plug the USB end of the blue USB-to-SS cable into USB port 1 on the front of the MD (the top left port).



- e. Feed the cable down through the guide hole in the side wall of the cart and through the guide holes in the side and back of the drawer. (You can clip the cable into the guides within the side wall of the cart.)
4. Plug the SS end of the blue USB-to-SS cable into the SS port on the USB hub.



5. Locate the box containing the Wireless USB Adapter. Unbox the Wireless USB Adapter and its accessories. Note that you will only be using the adapter and the antennas.



6. Remove the cover from the adapter.
7. Screw the antennas onto the adapter. It does not matter to which port you connect the antennas.



- 8. Insert the USB adapter into USB port 1 on the USB hub (the port next to the USB cable.)



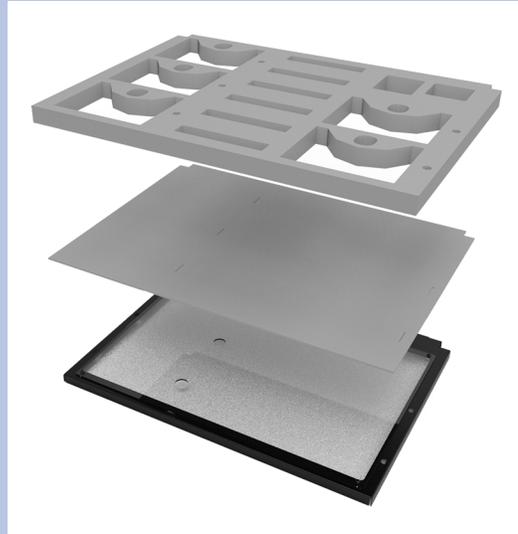
- 9. Locate the USB cables that came with your headsets. There will be one per headset. Plug each USB cable (up to 5 per USB hub) into the USB hub starting at Port 2.



### Cart Drawer Layers

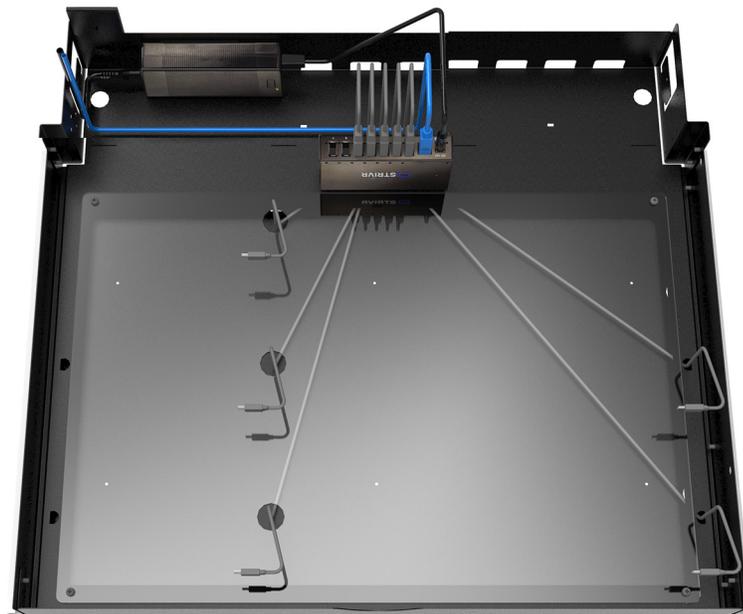
Each drawer in the cart includes three layers:

- a foam insert with cutouts for each headset and controller, headphones, wipes and spare batteries.
- a thin foam separator with slits for headset cables
- a clear acrylic insert with holes for headset cables

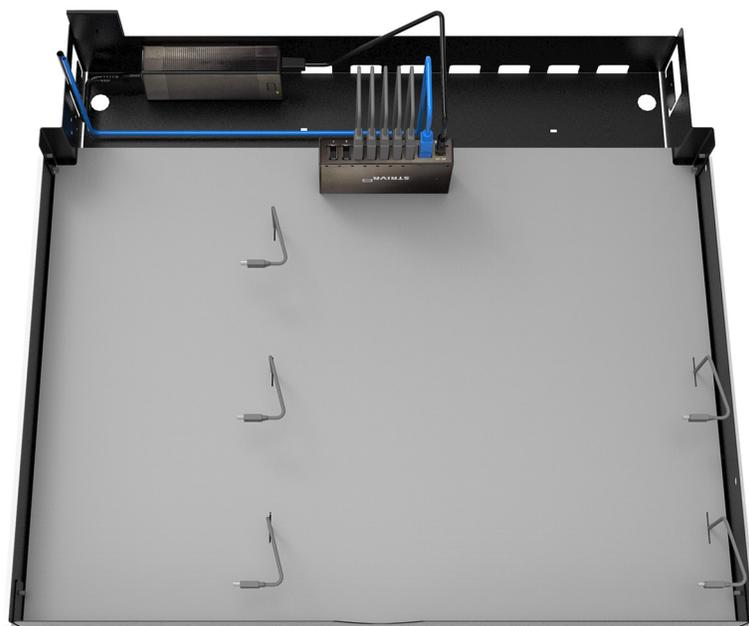


10. Remove the foam insert and thin foam separator from the drawer and set aside.
11. Feed each USB cable through a hole in the acrylic insert. You may need to lift the insert from the back.

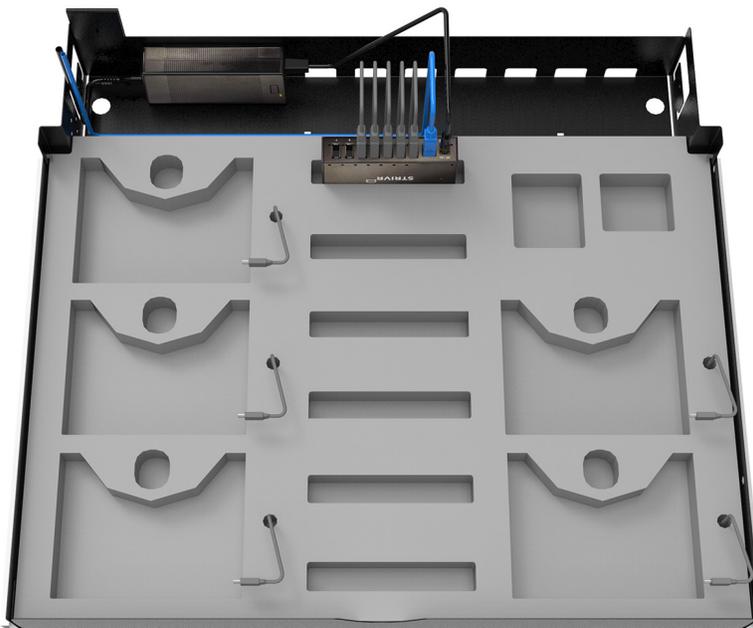
**NOTE:** Drawer images do not show Wireless USB Adapter.



12. Replace the thin foam separator in the drawer and feed the cables up through the slits.



13. Replace the foam cutout in the drawer, oriented so that the headset cable holes are to the right of the headset slots.
14. Feed each headset cable up through a headset cable hole. You may need to lift the foam cutout from the back. Then place the USB hub in the top middle slot in the foam insert.



15. Repeat these steps for as many drawers as you need to accommodate the number of headsets at your location.

## Reattach side panel

1. Make sure none of the cables are causing interference when opening and closing the drawers.
2. Reattach the side panel and secure the bolts with the Allen wrench.

## Power the system on

1. On the side of the cart, unwrap the power cord and plug it into an outlet.
2. Switch the master power switch on.
3. Check for lights on each device to ensure it is powered on.
  - a. Management Device: Green light on front
  - b. USB hub: Red light next to power port.



## Connect to the internet

The Management Device can connect to the internet via an LTE Modem or an Ethernet cable. If your installation uses an LTE modem, you'll find it included in the box.

### LTE modem

1. Plug the LTE modem into one of the USB ports on the front of the Management Device.



**NOTE:** The appearance and design of your LTE modem may vary according to brand.

2. A green light on the LTE modem indicates when it is connected. The light flashes green while it is searching and connecting.
3. If your signal is weak, and Strivr has provided you with an external cellular antenna and adapter, you can try to boost the signal by connecting the antenna to the LTE modem.



EXTERNAL ANTENNA



ANTENNA ADAPTER

- a. Detach the LTE modem from the Management Device.
- b. Open an antenna port cover on the side of the LTE modem by inserting your thumbnail under the port cover and lifting.
- c. Carefully insert the right-angle end of the cellular adapter in the antenna port.

**NOTE:** When the adapter is fully connected, you can still see some of the metal connector showing. Don't force the adapter.

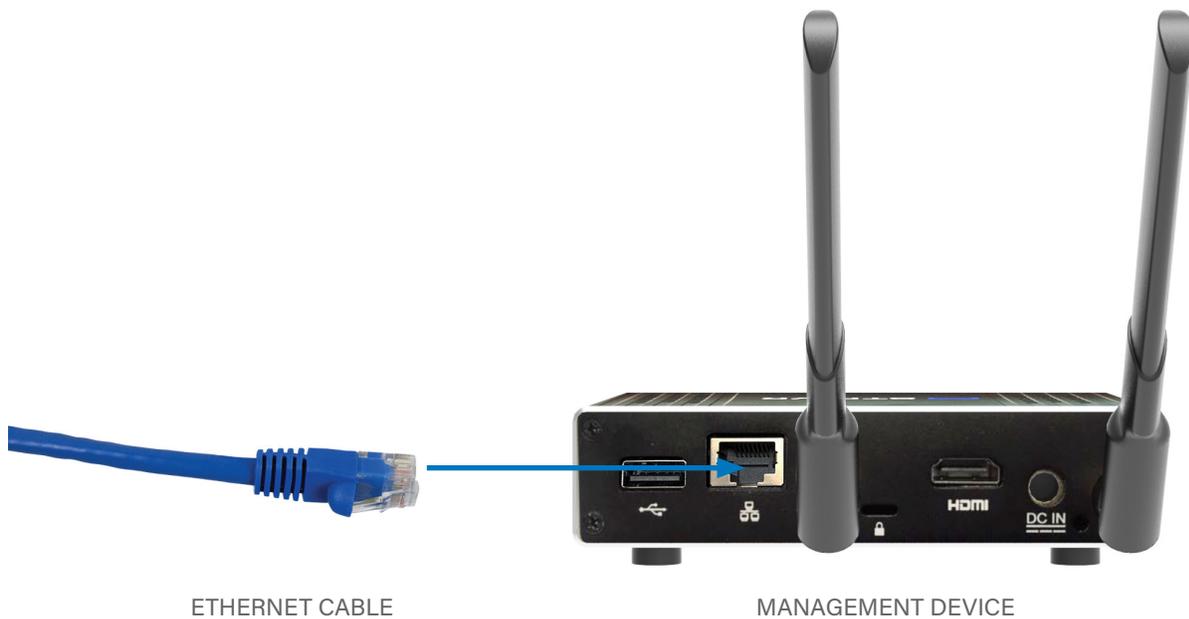


- d. Reattach the LTE modem to a USB port on the front of the Management Device inside the cart.
- e. Position the antenna on top of the cart. Its strong magnet will keep it in place.
- f. Thread the antenna cable through the Power cord hole in the side of the cart.
- g. Attach the antenna cable to the antenna adapter.



## Ethernet cable

1. Route the ethernet cable through the power cord hole in the side of the cart (see the Power the system on section.)
2. Connect the ethernet cable to the Management Device.



**NOTE:** Be sure to unplug the cable when moving the VR Cart.

## Connect headsets

After all drawers are set up, unbox and connect all the headsets.

1. Locate the headset boxes. Inside each box is a headset tethered to a controller.
2. Peel the protective plastic film off the lenses of each headset.
3. For each controller, pull down on the lower half of it to reveal the battery compartment and insert the batteries.

**NOTE:** Be careful not to detach the tether. If you do, reassemble it by feeding it through the bottom of the controller cap and looping it back around the small plastic peg.



OCULUS GO (1 AA battery)



PICO G2+/4KS (2 AAA batteries)

4. Plug a USB cable into each headset to charge:



Headsets need about 2 hours to reach full charge. When the headset is at 90% battery, the indicator light next to the power button turns green.

**NOTE:** When reconnecting Oculus Go headsets after a training session, turn each headset on: press and hold the power button on the top of each headset for about 20 seconds, or until you hear the device chime. When a headset is powered on, holding the headset up to your eyes causes the screen inside to illuminate.

## Contact us

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