Humanola

VR Teleoperation Software

Setup Guide

Version 1.0 • February 2026

Contents

Introduction

Humanola is a web-based VR teleoperation platform that lets you control robots remotely using virtual reality. No complex infrastructure setup required – just connect your robot, put on your VR headset, and start operating.

This guide will walk you through the complete setup process in just a few steps.

What You'll Need

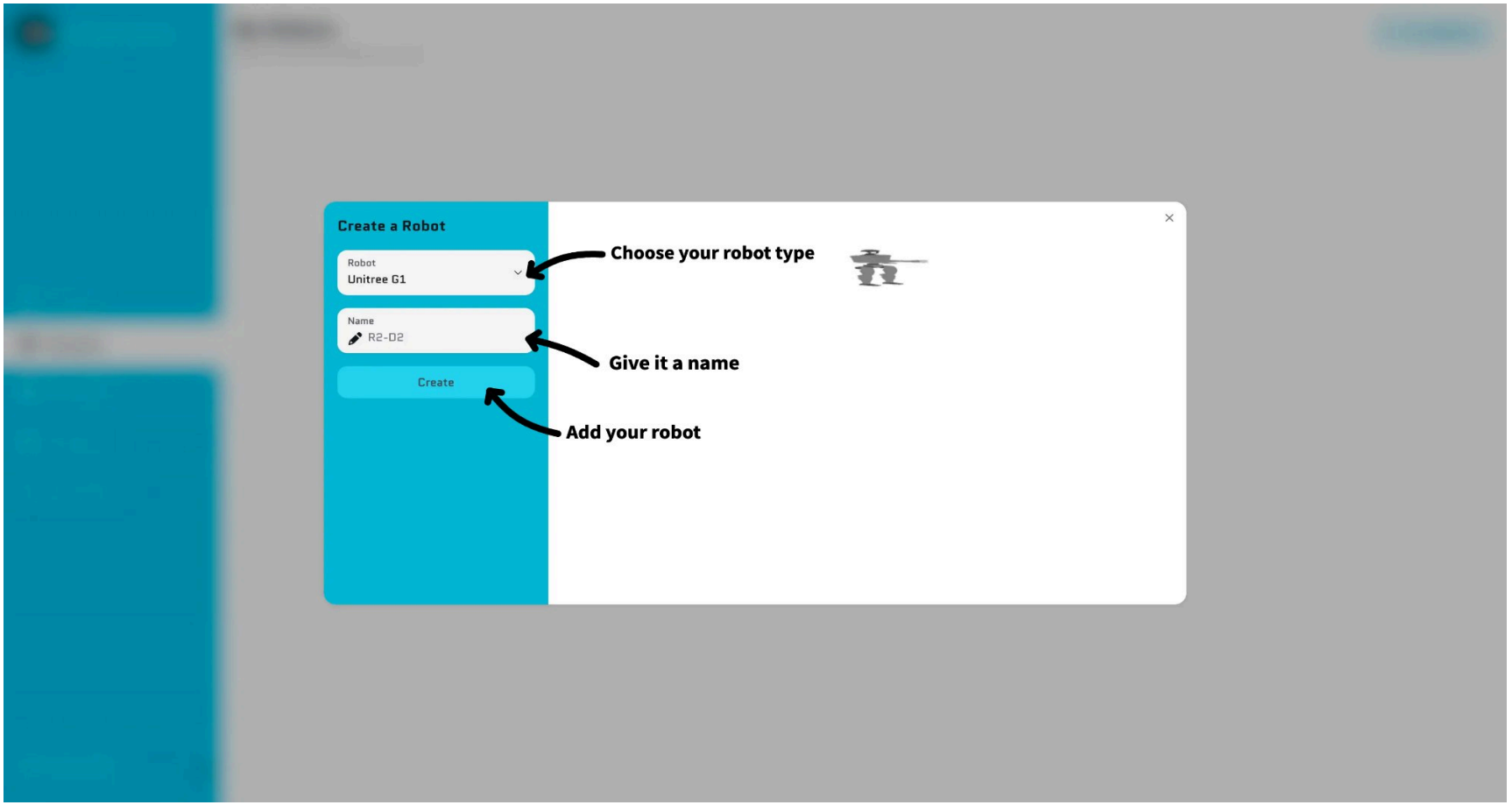
- A supported robot (Unitree G1, Booster T1, or AgileX PiPER)
- VR headset with web browser (tested with Meta Quest series)
- Internet connection for both robot and VR headset
- Docker installed on your machine
- SSH access to your robot's computer
- Humanola account (free to create at app.humanola.com)

Setup

Step 1: Create Robot Profile

Register your robot on the Humanola platform:

1. Go to app.humanola.com and sign in (or create a free account)
2. Click “Create Robot”
3. Select your robot type and give it a name
4. Click “Create”

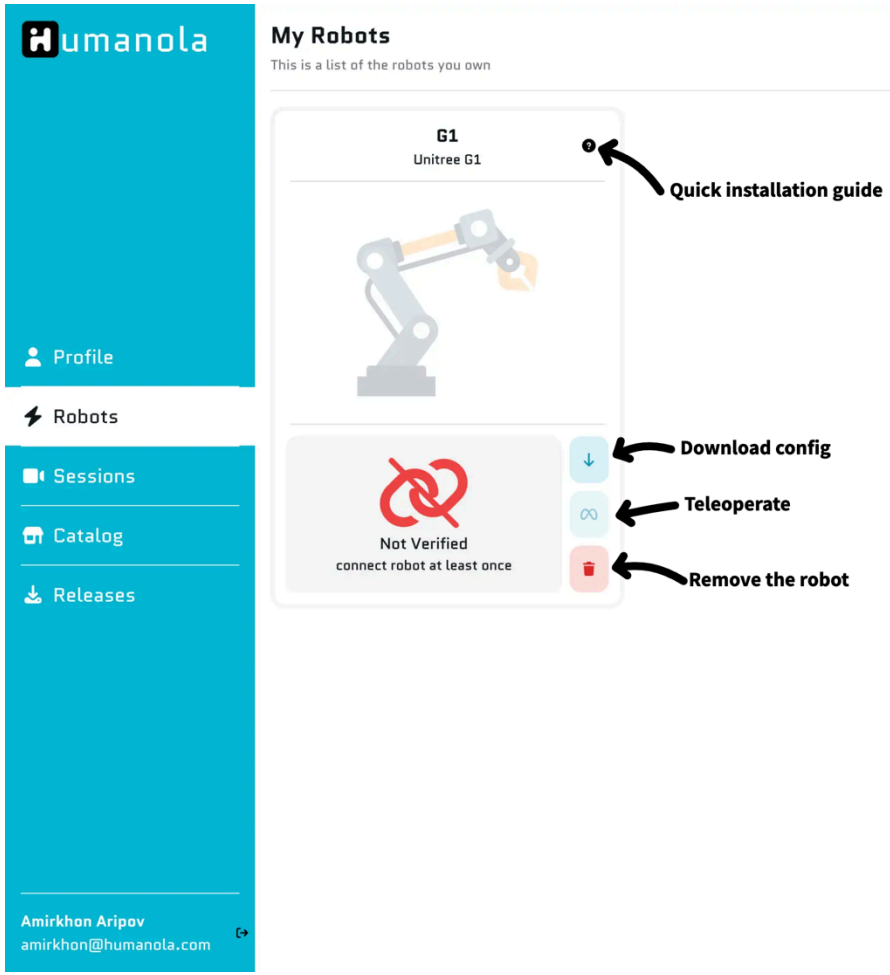


Step 2: Download Configuration File

Download the config file for your robot:

5. Find your robot in the robots list
6. Click the download icon to save the config file

Note: You'll need it in the next steps.



Step 3: Connect to Your Robot

SSH into your robot's computer:

```
ssh username@robot-ip-address
```

Step 4: Create Working Directory

Create a folder for the Humanola client:

```
mkdir humanola && cd humanola
```

Step 5: Download Humanola Client

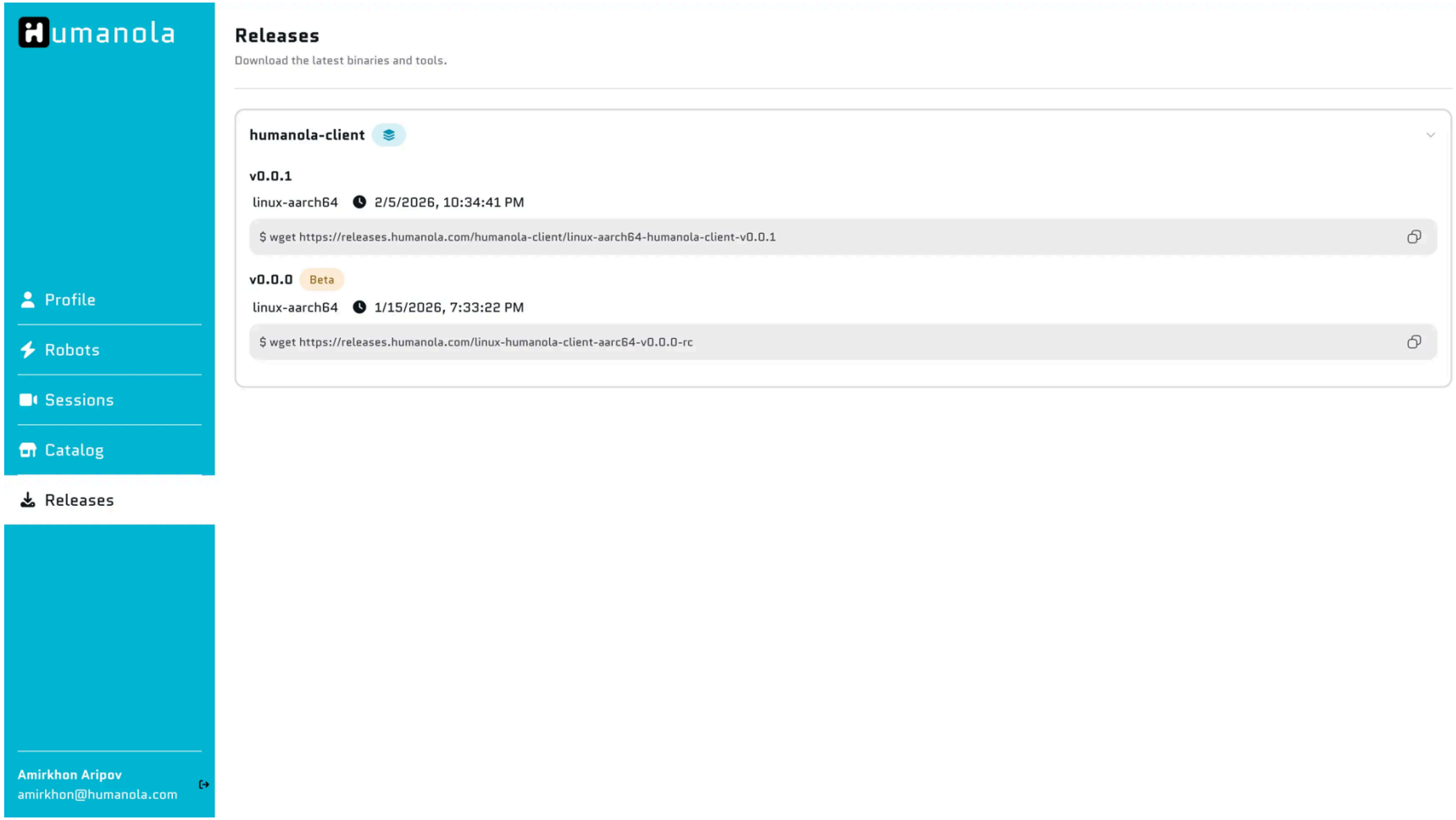
Download the client.

```
wget -O humanola-client https://releases.humanola.com/humanola-client/linux-aarch64-humanola-client-v0.0.1
```

Note: *The -O flag specifies the output filename. You can replace 'humanola-client' with any name you prefer.*

Alternatively:

Download the client from the Releases page at app.humanola.com and transfer it to the folder you created earlier.


humanola
Profile
Robots
Sessions
Catalog
Releases
Amirkhon Aripov
amirkhon@humanola.com
Releases
Download the latest binaries and tools.
humanola-client
v0.0.1
linux-aarch64
2/5/2026, 10:34:41 PM
$ wget https://releases.humanola.com/humanola-client/linux-aarch64-humanola-client-v0.0.1
v0.0.0
Beta
linux-aarch64
1/15/2026, 7:33:22 PM
$ wget https://releases.humanola.com/linux-humanola-client-aarc64-v0.0.0-rc

Step 6: Add Configuration File

Transfer the config file you downloaded in Step 2 to the folder on your robot.

Step 7: Set Up Docker

a) Launch Docker and run in terminal:

```
docker ps
```

b) Add your user to the Docker group:

```
bashsudo usermod -aG docker $USER
```

Step 8: Free Up the Camera (First-Time Setup Only)

a) `pgrep -a videohub`
b) `sudo mv /unitree/module/video_hub_pc4/videohub_pc4 /unitree/module/video_hub_pc4/videohub_pc4.disabled`
c) `sudo /etc/init.d/master_service restart`

Note: *This only needs to be done once during initial setup. Future sessions won't require this step.*

Step 9: Give execution permissions to the client:

```
chmod +x humanola-client
```

Step 10: Run the Client

```
./humanola-client --config config.txt
```

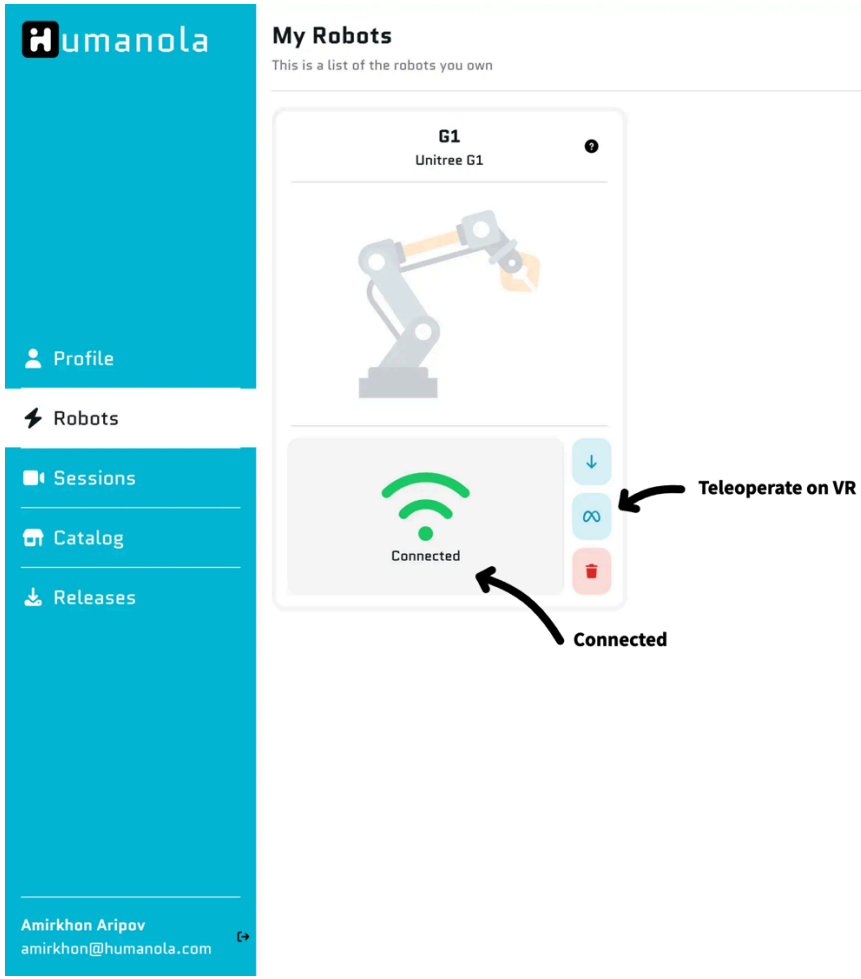
The client will connect to Humanola's servers and authenticate your robot. Leave this running.

Note: *If you gave the humanola client another name in Step 5, replace 'humanola-client' with that name in Steps 9-10.*

Step 11: Verify Connection

Check that your robot is connected:

7. Go to app.humanola.com in your web browser
8. Navigate to the “Robots” page
9. Your robot should now show as “Connected” with a green icon



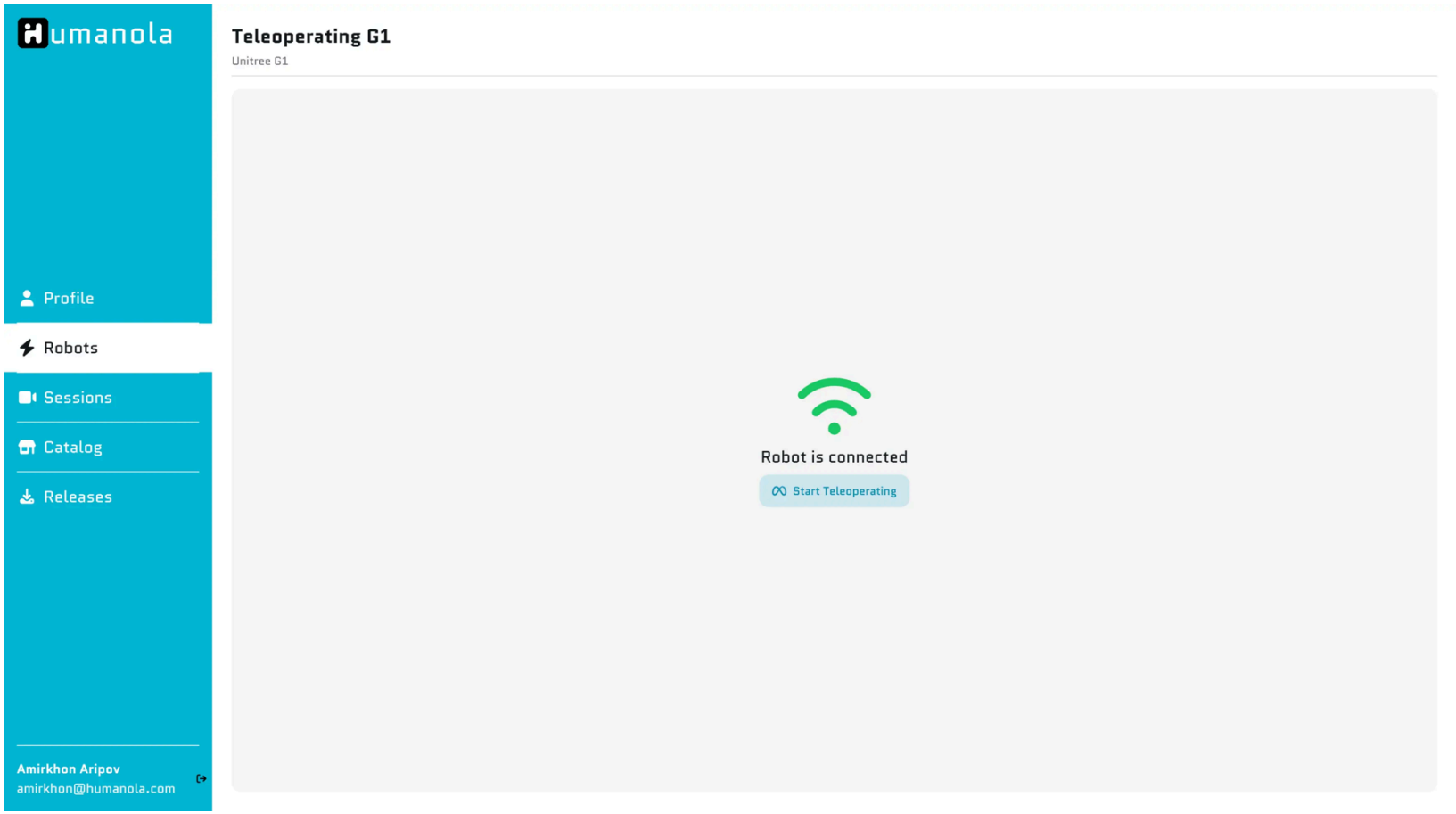
Step 12: Start Teleoperating

Control your robot from VR:

10. Put on your VR headset
11. Open the browser in VR and go to app.humanola.com
12. Sign in and select your robot (it should show as connected)
13. Click “Teleoperate” to start

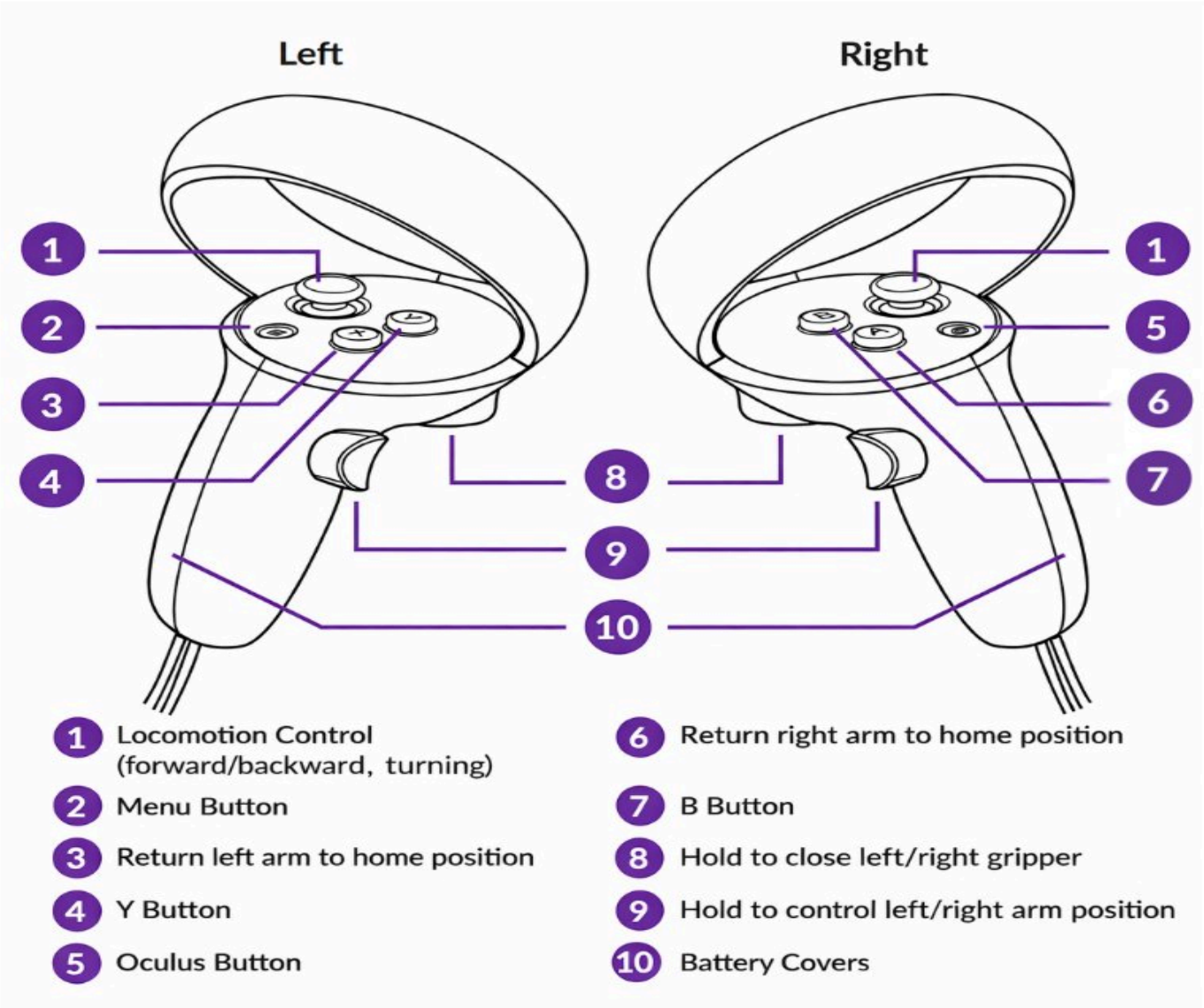
What You’ll See in VR:

When you click “Teleoperate” from your VR headset, the connection will be established:



VR Controller Guide

Use your VR controllers to operate your robot. The diagram below shows the control mappings.


Left
Right
1
2
3
4
8
9
10
1
5
6
7
1 Locomotion Control (forward/backward, turning)
2 Menu Button
3 Return left arm to home position
4 Y Button
5 Oculus Button
6 Return right arm to home position
7 B Button
8 Hold to close left/right gripper
9 Hold to control left/right arm position
10 Battery Covers

Support & Contact

Need help? We’re here to assist you.

Website: https://humanola.com

Platform: https://app.humanola.com

Email: sales@humanola.com

When contacting support, please include:

- Your robot type
- Operating system (macOS or Linux)
- VR headset model
- Any error messages from the terminal