

Recommendations

- **Keep the router in your room or play area:**
Reason: The router should not be too far away, as this can cause latency or lag in the trackers, which would disrupt tracking quality.
Recommended under **20ms~**
- If your router is in your room and you're experiencing ping spikes, what you should do is change the Wi-Fi channel between 1 and 12, and test which one works better for you.
 - **Use only 2.4 GHz Wi-Fi:**
Reason: SlimeVR only works with 2.4 GHz Wi-Fi and is not compatible with 5 GHz or 6 GHz Wi-Fi.

Contact

- **Discord ID:** UsagiVR
- **D.Server:** <https://discord.gg/KkwnVjjT>

This is the Quick Checklist. WE HIGHLY RECOMMEND READING our FULL 35 PAGES SlimeVR beginner manual at:

<https://usagivr.com/manual/>



Do you need router?

Amazon Link



<https://www.amazon.com/dp/B09N72FMH5>

eBay Link



<https://www.ebay.com/itm/365184399173>

Tutorial how to setup the Wi-Fi:



<https://www.youtube.com/watch?v=1HwT-Own6vo>

One of your trackers have drift?

Video Drift Removal



<https://youtu.be/uK8IXgrsF08?si=bXW6GRIMbVYIDUmp>

1. **Skip Wizard** and connect the trackers to your PC and Wi-Fi. Select "Home" and plug in your tracker.

- Ensure your trackers are connected to your Wi-Fi network with a strong signal (above the average bar level) and maintain a low ping of less than 20ms.
- If you experience ping spikes above 20ms or consistently high ping (20ms+), you will need a Wi-Fi extender or should place your router in the playroom. Otherwise, the SlimeVR tracker may not work properly, resulting in stuttering and choppy tracking.
- Avoid keeping the router in a different room, as this is a common problem and the main cause of poor tracking, inaccurate body proportions, and unsatisfactory results. SlimeVR doesn't require base stations and relies 100% on fast, nearby Wi-Fi for smooth operation.
- **Side note:** If your router is next to you and you're still facing this issue, it could be due to two reasons:
 - You're using a low-quality ISP router and it can't handle simultaneous connections at the same time with good ping.
 - **Your Wi-Fi 2.4GHz channel is congested.** We recommend accessing your router's admin page and changing the 2.4GHz **Wi-Fi channel** (often set to AUTO) to a specific channel between 1 and 11. Test each channel to see which one works best before purchasing an additional router.
- Fix this before continuing, after connecting the trackers.

2. VR Headset Setup

- **Meta Quest or similar headsets:** Calibrate the **floor level** in your headset (e.g., in Meta Quest, adjust the floor level in the Guardian settings). **How to:** <https://www.youtube.com/shorts/k8chamjrqlA>
- Verify your standing height by facing forward and placing your controller on the floor to perform the Quest floor leveling.
Note: **Avoid looking down while confirming the floor leveling**, as this can cause errors in your height calibration.

3. SlimeVR Tracker Setup

- **Physical Placement of the Trackers:**
 - The trackers should have the USB port facing up.
 - Thigh trackers should be placed just above the knee (in front). **Note:** Do not place them too high, as it will cause issues with tracking your thighs.
 - The chest tracker should be placed as high as possible.
 - Place the ankle trackers on the sides: the left tracker on the left ankle and the right tracker on the right ankle.
 - **Note:** In the SlimeVR app, select the ankle and adjust the orientation to match the new side placement. Failing to update this value may result in misalignment and tracking issues.
- Ensure each tracker's position is correctly set in the program and aligned with your body. To verify, shake the tracker and check for the corresponding purple marker in the SlimeVR app.
- **Automatic Mounting Calibration:** Run the automatic mounting calibration in the SlimeVR app before measuring your body proportions. With your VR headset on, in SteamVR or VRChat in PCVR mode. If you are using Standalone, skip to step 7 to continue the setup. Before performing

the body proportions calibration, please note that you must complete the floor leveling setup first to ensure accurate height calculation.

4. Body Proportion Calibration (Only for PCVR)

- If you are using PCVR (SteamVR), perform the body proportion calibration while wearing the headset in a space like SteamVR Home or VRChat. And If you are using software that adds virtual trackers (e.g., Standable), disable it to avoid interference with the SlimeVR system.
- To have SlimeVR automatically take your body measurements, we need to perform the calibration movements. There are two types of movements: the official ones, and the ones I recommend. I've provided the video and the movements you need to perform.
 - 3 Squats
 - 1 Glide Left Downward
 - 1 Glide Right Downward
 - 2 Times Touch Feet
 - Move Head Left
 - Move Head Right
 - Move Head Left
 - Move Head Right
 - 1 Glide Left Up
 - 1 Glide Right Up
- If you are in Quest mode, skip this step.

5. Final Check in VRChat

- After setting everything up, check in VRChat in front of a mirror to ensure the trackers are working correctly. Verify if the movements are accurate; if not, check the orientation, position, and height of the trackers on your body. You may need to repeat the automatic mounting and body proportions process. Understand that the first time might be tricky due to the learning curve, but with practice, you'll get the desired results. This step is needed only the first time until you achieve the desired outcome.
- We highly recommend reviewing the beginner tutorials for controller binding options for **FAST Reset** and **Full Reset** in-game. This will save a lot of time resetting later. Refer to pages 20-24 in the beginner tutorial **Download offline PDF**, or view the online version at <https://www.usagivr.com/manual/>.

7. Standalone Mode (Skip Steps 4, and 5)

- Enable **VRChat OSC Service** in Settings (inside the SlimeVR Server App):
 - Enter your headset's IP address in the appropriate field.
- In-Game VRChat:
 - Go to the Circle Menu > Settings > OSC > Enable.
- If everything is correct, you will see the option **[Calibrate FBT]** in the box menu. Before calibrating:
 - Run the Automatic Mounting Calibration in the SlimeVR app (two poses are required).
 - Then click **[Calibrate FBT]**, confirm, and test your setup.

Final Step:

Perform the automatic mounting calibration before calibrating FBT in-game (like in VRChat) during every game session. Ensure that all the trackers align with your existing calibration before proceeding.