KAT VR

KAT Gateway Guide

KAT Gateway Guide

1. Homepage

The left side of Gateway Homepage displays the current device connection status:
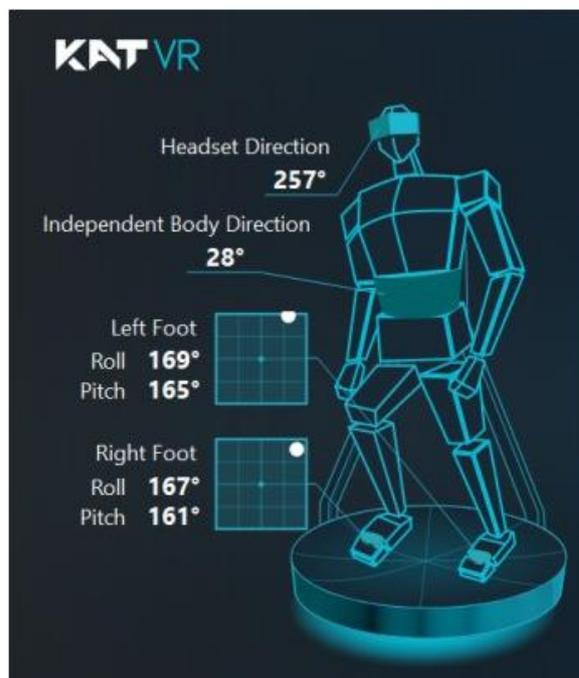
Headset direction - This value indicates the angle of your headset. Provided that your headset is connected properly, value will change from 0°to 360° as you move your headset.

Independent Body Direction-This value indicates status and direction of the device back support (body direction). Thanks to independent body direction, you can walk in one direction and look elsewhere. Provided that KAT Gateway detects the KAT Walk C properly, this value will change from 0°to 360° as you turn around.

The foot sensors will automatically enter sleep mode after a few minutes without movement. Move or shake your leg firmly to wake it up.

Left Foot - Provided that the left foot sensor is recognized properly by KAT Gateway, this value will show the connection status and direction of the left foot sensor. KAT Gateway will show "not detected" if the sensor is in sleep mode, you can move the sensor to walk it up. The angle value should change accordingly as you move the sensor.

Right Foot - Provided that the right foot sensor is recognized properly by KAT Gateway, this value will show the connection status and direction of the left foot sensor. KAT Gateway will show "not detected" if the sensor is in sleep mode, you can move the sensor to walk it up. The angle value should change accordingly as you move the sensor.

The right side of KAT Gateway homepage displays the current device connection status:
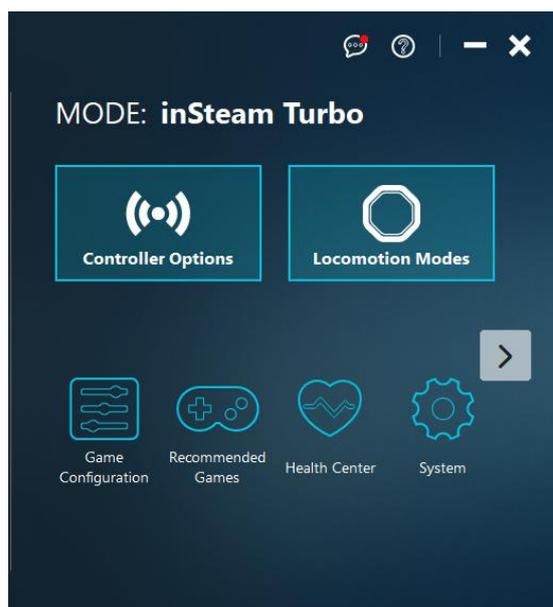
Homepage bottom shows your device name, the External Calibration button

and the Device Manager button.
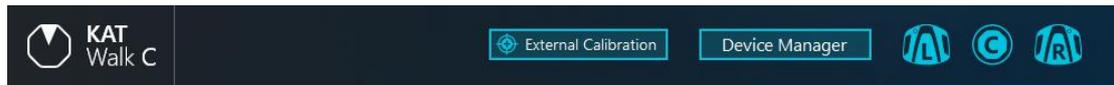
The left side shows the currently connected device name – for example "KAT Walk C" or "KAT loco".

External calibration - Calibrate the body direction directly on desktop. It may be useful if you are using the Virtual Desktop, Keyboard or Xinput mode.

Device Manager - shows the status of each sensor and the Serial Number of the device. Through this page, you can initiate the sensor pairing process.

The three icons on the right show the status of the bottom sensor (built into the device) and the foot sensors. Once KAT Gateway detected them, they icons will be lighten.

2. Controller Options
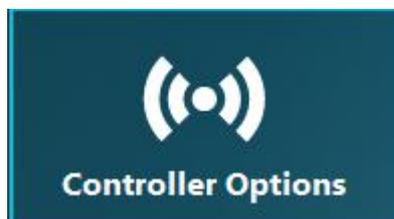
Click the Controller Options button on the Gateway homepage to enter the settings:

This page allows you to adjust the basic device settings:

Mapping Speed – First thing you need to understand is that movement is determined by the step frequency. Make your steps more frequent for smoother, faster movement and vice versa.

Walking Trigger Sensitivity setting reflects how easy it is to trigger the action with the specific foot movement. The more you increase the setting value, the easier it will become to trigger this action but the higher will be the delay when you try to stop, and vice versa. If you decrease the value, it will become more difficult to trigger the action but the lag when stopping will decrease.

Because of personal preferences, different players may feel comfortable with different setting configurations. We do however, recommend you to set the setting value to minimum at which the device smoothly detects the action.

Walking Trigger Sensitivity - The higher the value, the lower the step frequency needed to trigger the movement, but the higher the delay when stopping and vice versa.

Lateral Movement – In order to trigger the lateral movement, keep one leg in the center and set the other one on the platform side with the outside part of the foot lifted up.

Lateral Trigger Sensitivity - The higher the sensitivity, the lower the angle necessary to trigger the movement but the higher the chance of unintended trigger and vice versa.

Backward Movement- In order to trigger the backward movement, keep one leg in the center and set the other one on the platform back with the heel lifted up.

Backward Trigger Sensitivity - The higher the sensitivity, the lower the angle necessary to trigger movement but the higher the chance of unintended trigger and vice versa.

Cruise Movement - In order to trigger the cruise movement (continuous movement forward without walking), keep one leg in the center and set the other one on the platform front with the toes lifted up.

Cruise Trigger Sensitivity - The higher the sensitivity, the lower the angle necessary to trigger movement but the higher the chance of unintended trigger and vice versa.

3. Locomotion Modes

Click the Locomotion Modes button in the Gateway homepage to enter the locomotion settings where you can make more advanced adjustments.
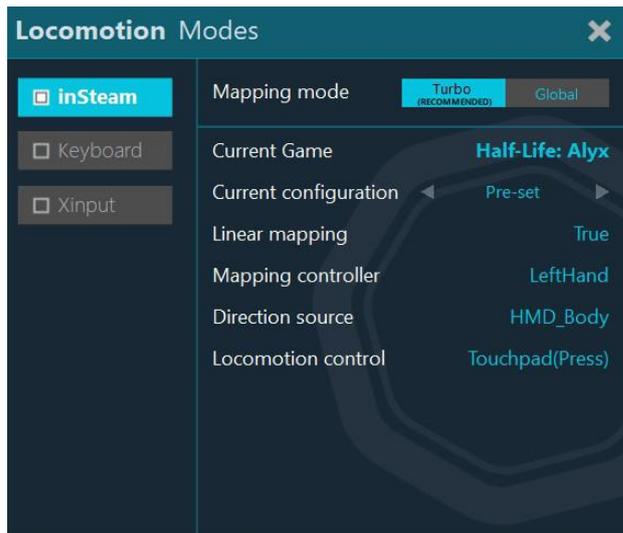

Main Mode: inSteam

inSteam is furtherly divided into Turbo and Global locomotion modes. With the Turbo Mode enabled, the software will automatically recognize the current game and load the pre-set settings configuration prepared by our team.

**New users are commended to always select the Turbo Mode.**

Global Mode allows you for much deeper device configuration. Here you can change the direction source, enable or disable linear mapping (non-constant speed levels) etc. In case of games not tested by KATVR yet and not included in the Turbo Mode, you can try different configurations to check which of them works best with the KAT Walk C.
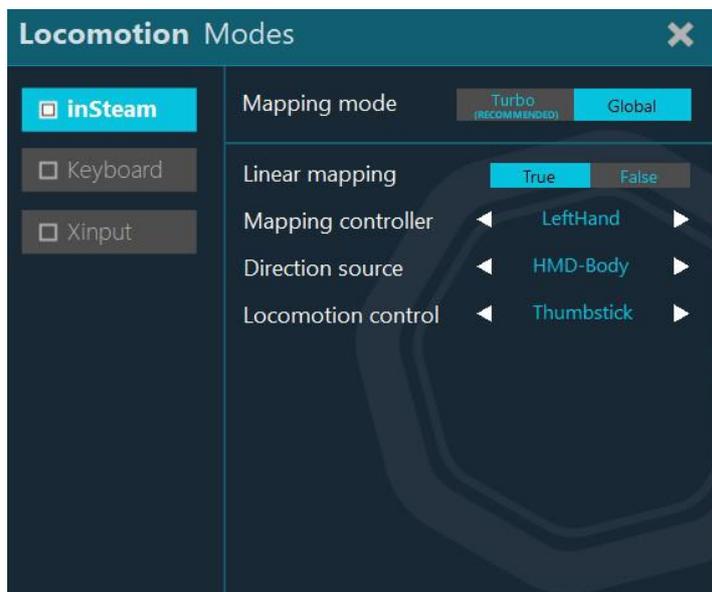
The Keyboard Mode lets you achieve movement in all directions by emulating the function of the WSAD buttons in some non-VR games.
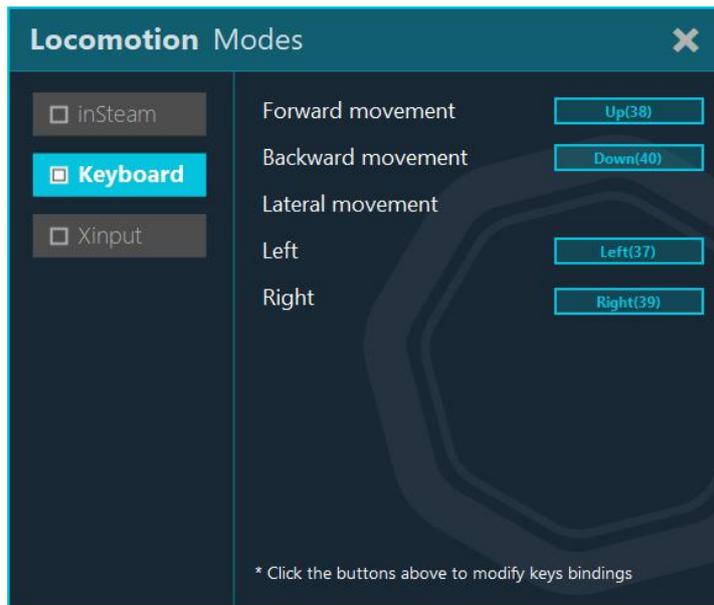
Xinput Mode lets you achieve movement in all directions by taking over the function of a connected XBOX Controller Joystick or emulating a virtual controller joystick in some games.
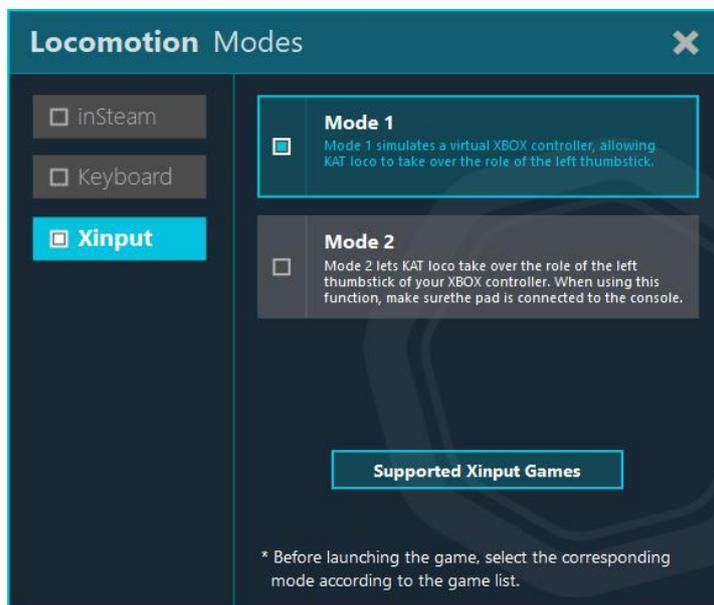
4. Game Configuration
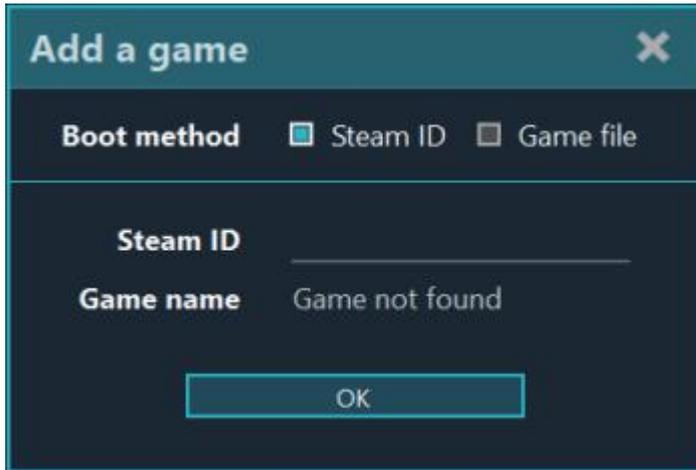
Game
Configuration

In the Game Configuration page, you can view the list of supported games including the recommended ones and these you added to the list yourself. Here you can also create, check and modify their profiles with the basic configuration settings.
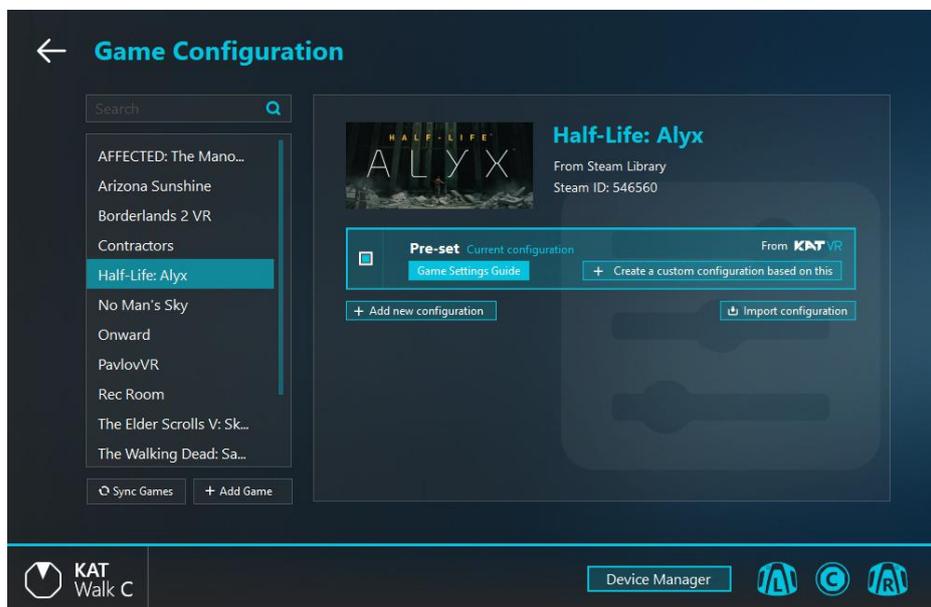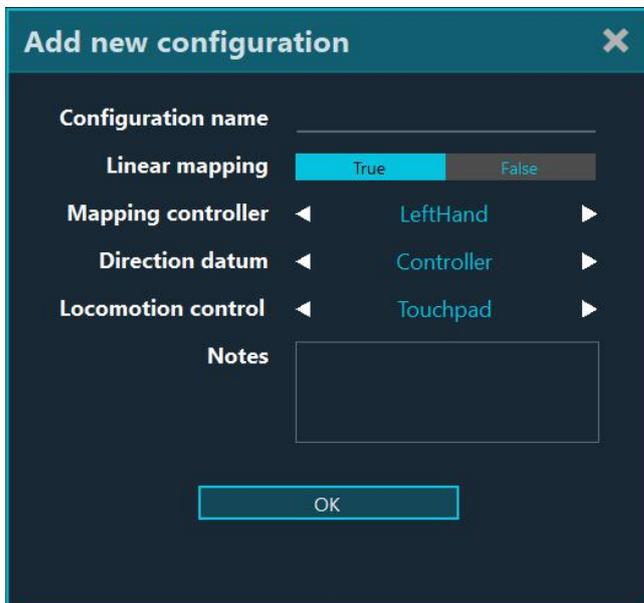

Adding a game:

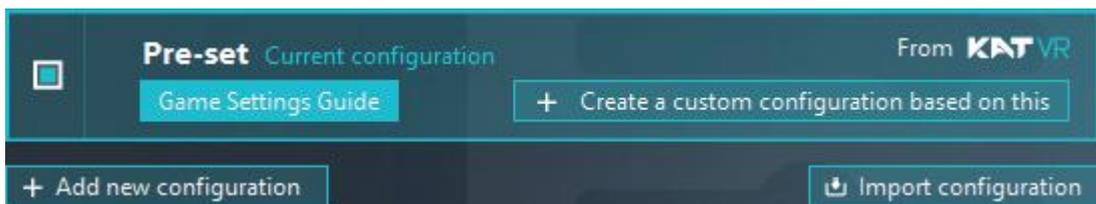Fill in the Steam ID of the game or choose the game EXE file.

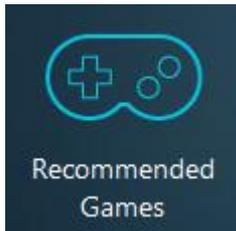**Adding a new configuration (through manual input or by file import):**

Deleting the game:

**View, select or delete the configuration files.**

**Viewing the game configuration tips of the recommended games:**

5. Recommended Games

In the recommended games page, you can view the popular games, check whether the game is currently installed on your PC or proceed directly to the Steam Store page to purchase it. KAT Gateway will recognize the type of your headset and list the recommended games which are compatible.
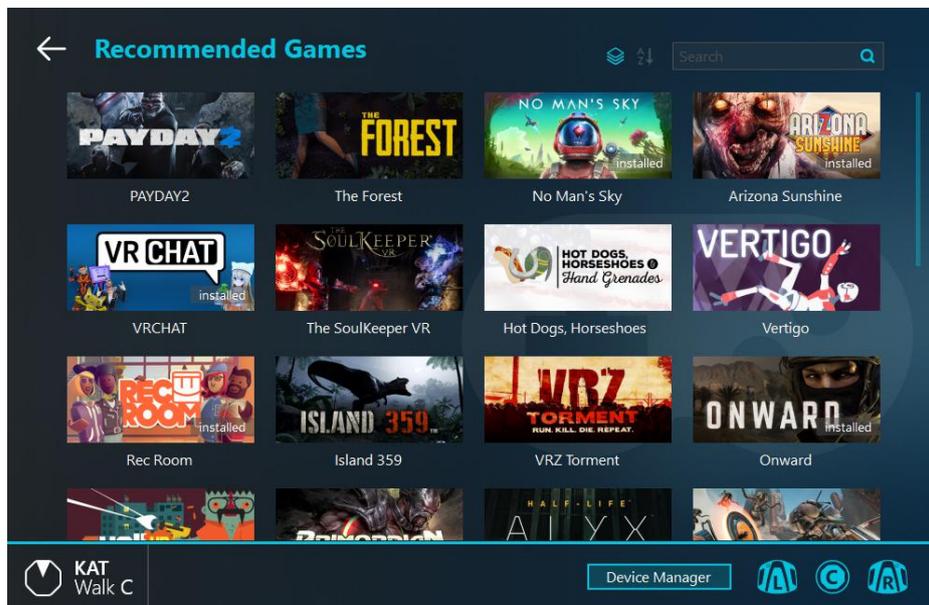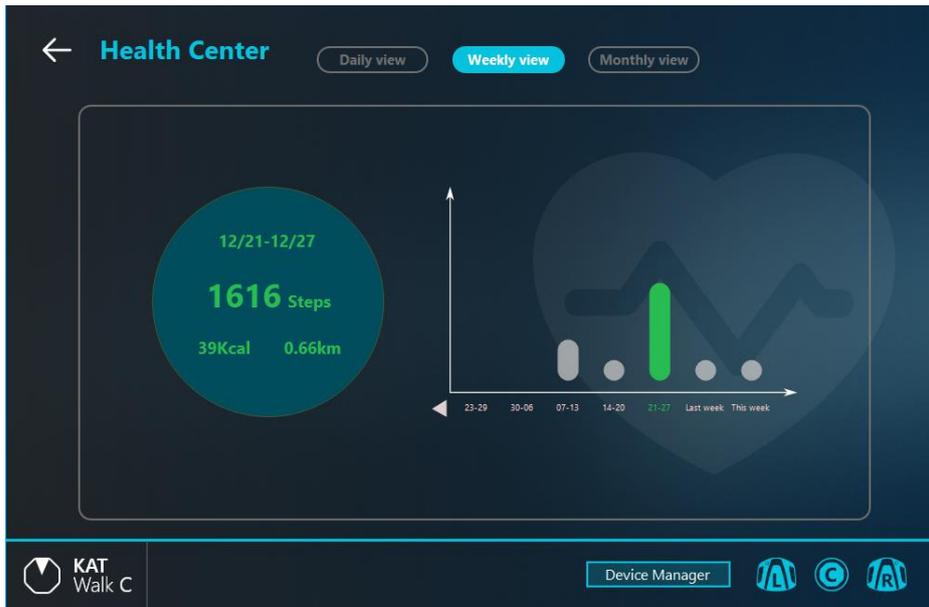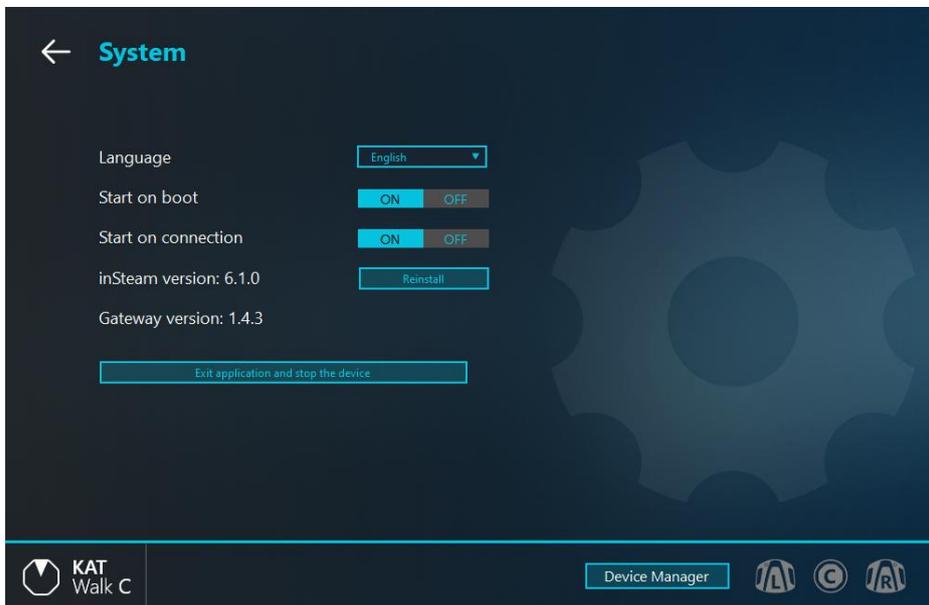

6. Health Center
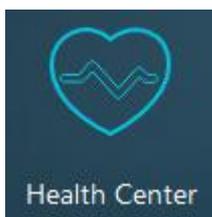
In the health center you can find the number of steps you took during your gaming sessions with the device and the number of calories you burned with

it daily, weekly and monthly.

7. System

Language – You can change the software display language here.

Start on boot – This setting enables you to set Gateway to turn on automatically whenever you boot the computer.

Start on connection – This setting enables you to set Gateway to turn on automatically whenever you connect your KAT device.

InSteam Version - It shows the version of KAT inSteam plugin. In some rare cases the plugin data may get corrupted and the inSteam Version will display 0.0.0. If that happens, reinstall the software.

Gateway Version - It shows the current version of KAT Gateway.

8. Device Manager

The Device Manager shows the status of each sensor and the Serial Number of the device. Through this page, you can initiate the sensor pairing process.

9. Recommended settings for new users

New users can refer to the below settings to set up KAT Gateway properly:

1. **Make sure you are using the administrator account of your Windows.**

2. **Make sure the KAT Walk C is connected to the USB port of your PC (do not use a USB hub or extension cord), and the foot sensors are charged and paired successfully.**

3. **SteamVR must be launched. If it operates properly, it should show "Now Playing" and the name of currently launched game.**
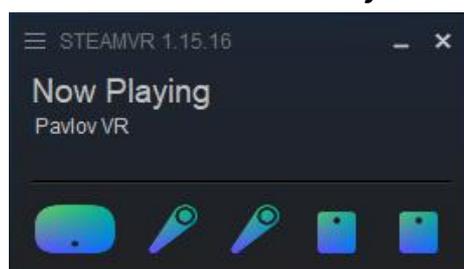
4. **Options "00KAT_insteam" and "kat_tracker" should be enabled in SteamVR.**
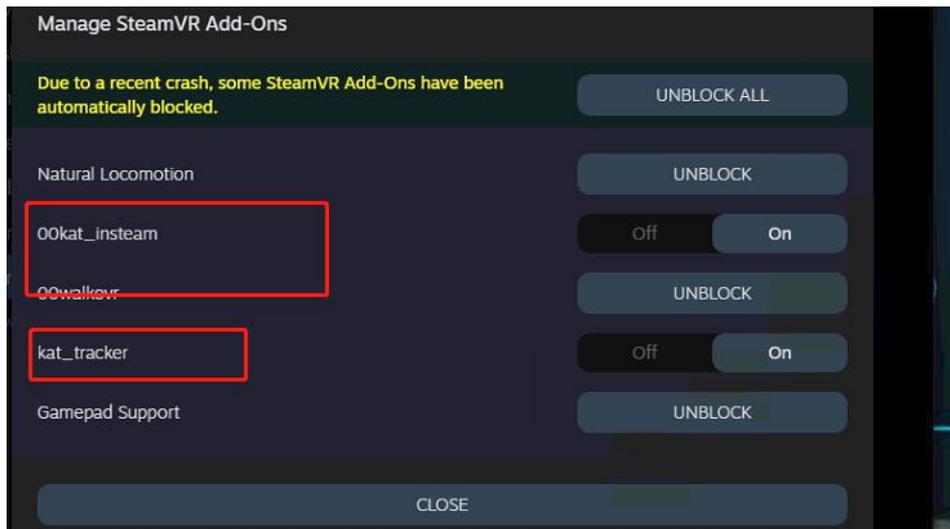
5. **Make sure you always launch your games via SteamVR, not Oculus Home.**


   * some games may not show this option.

6. **Rotate your HMD and check whether the value of "Headset Direction" in KAT Gateway Homepage changes accordingly. Rotate the back support of the KAT Walk C and check whether the value of "Independent Body Direction" changes accordingly. Move the sensors and check whether the value of "left foot" and "right foot" changes accordingly.**
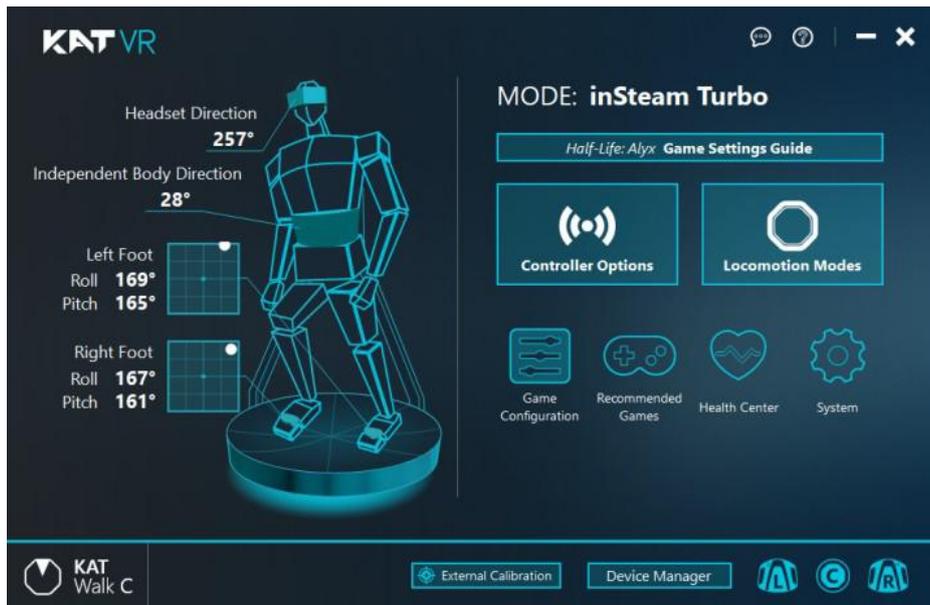
7. **Check the Locomotion Modes. with the Turbo Mode enabled, the software will automatically recognize the current game and load the pre-set settings configuration optimal for it. Global mode allows for some additional setting configuration. New users are recommended to always use the Turbo Mode.**
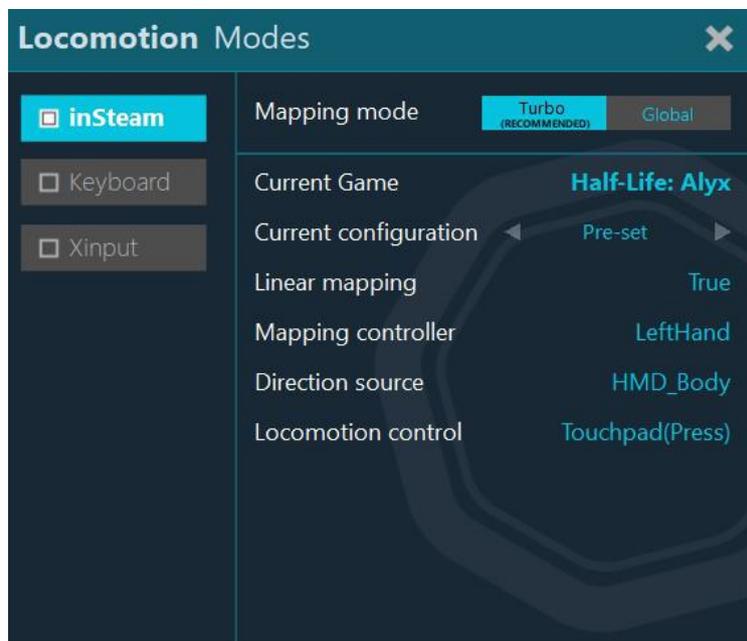
8. **Some games do not set Free Locomotion as the primary locomotion method and instead treat teleportation or other locomotion modes as default. You may need to select the Free Locomotion in the game settings. The name of the corresponding setting may vary from one**

game to another. As a reference, in Half Life Alyx, the setting is called "Movement: Continuous" .

9. Please refer to our FAQ for more information.