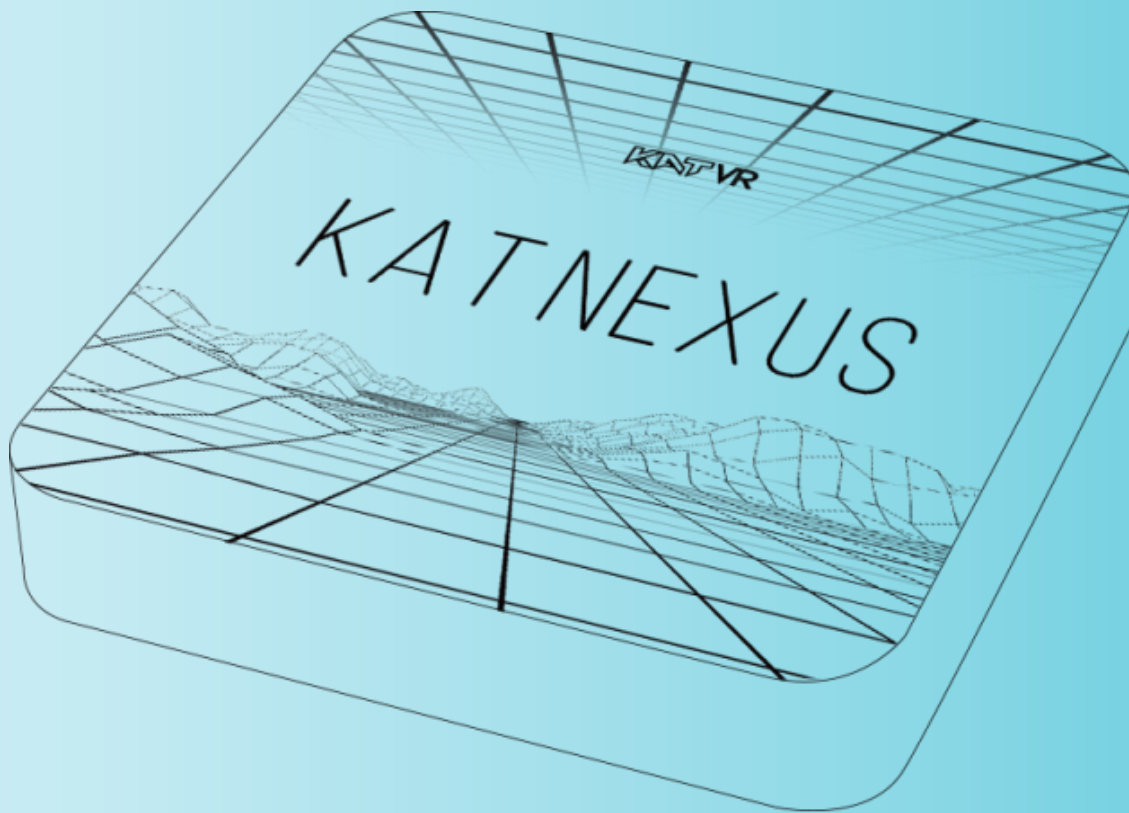


# KAT Nexus OWNER'S MANUAL



This product is for personal use ONLY. Any form of commercial application is prohibited.

# Acknowledgement

Thank you for purchasing our product!

Please, read this instruction manual carefully and keep it safely stored for future use.

KATVR reserves the right to interpret and modify the manual. Any amendments, updates and interpretations to the manual will be published on the KATVR official website. Please pay attention.

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## | First & Foremost

This owner's manual contains all the information you need to install your KAT Walk Coord 2. The following symbols are used to indicate important information and instructions for the device set-up process:



This symbol is a precaution, it usually provides additional information to help you with a task, as well as information that applies only to certain situations.



This symbol is a hint, letting you know what might be helpful at a particular point.



This symbol is important: You must complete one or more of the hardware and software installations or settings as described in the manual.



This symbol is a safety warning, used to remind you to be wary of your personal safety while performing the task. Be mindful of this symbol to avert any potential risks.

## | Declaration

# KATVR

It is the trademark of Hangzhou Virtual and Reality Technology Co., Ltd. All trademarks, product identification and trade names of other companies appearing in this manual belong to their respective owners. No parts or content of this manual may be copied or reproduced without the written permission of the company, and may not be shared in any form or used for any commercial or profitable purpose.

The contents of this manual are subject to change due to product upgrades or other reasons. Our company reserves the right to modify the contents of this manual without any notice or prompt. This manual is intended as a guide only. We do our best to provide accurate information in this manual but we do not guarantee that the contents of this manual are completely error free. Statements, information, and recommendations provided in this manual do not constitute any warranty, express or implied.



For the latest information, please feel free to check out our official website: <http://www.kat-vr.com>

## | Precautions before use

- To prevent fire, electronic shock and damage of product, please do not let the Nexus come into contact with rain, moisture or liquid. Do not put vases or other water containers on the Nexus.
- To ensure good ventilation, please do not put the Nexus in bookcases, cabinet or other confined places.
- places. Keep well-ventilated to prevent fire or electronic shock caused by overheat of the Nexus.
- Keep lit candles and other lit subjects away from the Nexus. Please do not open the case of the Nexus. Only a specialist is allowed to do this.

## | Placement of unit Issues

Please place the Nexus on a flat area. Keep it away from sunlight and avoid heat, humidity and frequent shaking to avoid damage the case and other components of the Nexus and shorten the service life of the Nexus. For the best performance of the Nexus, please do not place heavy objects on the Nexus and keep it at least 6 inches away from the wall.

## | Power Issues

Do not use over-voltage, otherwise the Nexus would be damaged and might cause fire. Please connect the power cord correctly and make sure the cable is not damaged. Please unplug the power cord if you do not use the Nexus for long time to prevent damage caused by lightning.

## | Cleaning Issues

Please unplug the power cord before cleaning the Nexus. Use a slightly wet rag to clean the Nexus instead of liquid detergent. Do not use solvents like gas, because this might damage the case of the Nexus.

## | Moisture Issues

Please keep the Nexus away from any humid places, like a basement. Condensation of moisture might cause damage to the Nexus. In this case, please turn on the Nexus and the heat of the Nexus may drive the humidity away.

## | About the user manual

Please read the user manual carefully and keep the manual in a safe place for review if necessary. The pictures in this user manual might be different with the pictures shown on the HMD because of a difference in firmware.

If any of the components needs to be replaced, please make sure only authorized components are used. Otherwise, it might cause fire, electronic shock or other damages.

## | Production Introduction

### **KAT Nexus Description**

#### **Product Description**

KAT Nexus is a revolutionary multi-platform adaptation solution - a single bridge connecting different interactive devices with the infinite metaverse of VR games and experiences on all major platform including standalone systems - STEAMVR - META Quest - PlayStation VR - PICO Neo - VIVE Port and other VR platforms. It links wirelessly to a VR headset so one can easily experience VR at its best even without a PC.

Unleash yourself in any VR adventures, connect fun with exercise, experience realistic social interactions, and much more with any of our solutions via the KAT Nexus!

#### **Product Appearance**


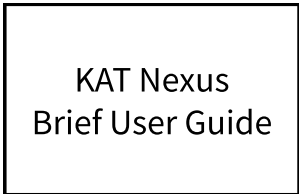
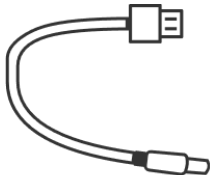
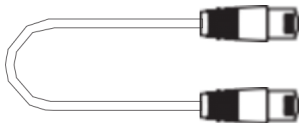


## Product Parameters

Product weight	100g
Product size	100*100*17.5mm
Flash	16G
SDRAM	2G
Power Supply	DC 5V/2A
Power Indicator (LED)	Power ON: blue; Standby: Red
USB host	1 High speed USB 3.0, 1 USB 2.0

## Packing List

Before use, check carefully whether the quantity is consistent with the below list. If anything is missing, contact our customer service at [service@kat-vr.com](mailto:service@kat-vr.com) before you proceed.

NO.	Name	Quantity	Note
1	KAT Nexus	1	
2	KAT Nexus Brief User Guide	1	
3	USB-DC Cable	1	
4	Network Cable	1	

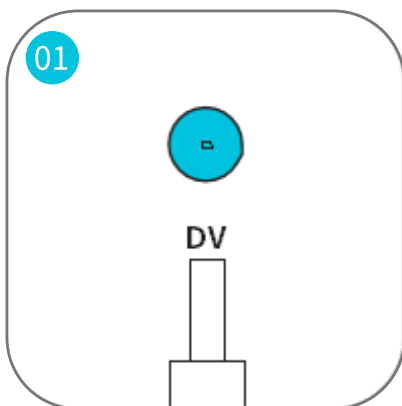
# | Production Installation

## Before use:

### Product Description

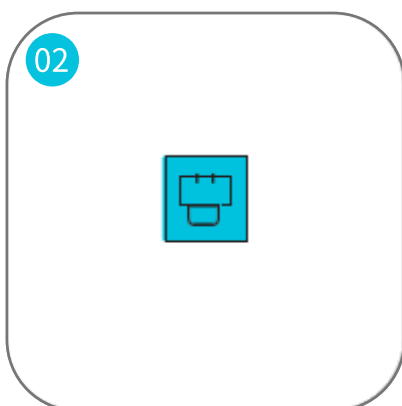
1. Please open an Oculus developer account by navigating to the Oculus for Developers homepage (please refer to <https://developer.oculus.com/documentation/native/android-mobile-device-setup/> for more instructions). It will be necessary to enter the developer's mode which enables you to install third party software on the oculus device. Enter the Oculus app on your mobile phone and enable the Oculus developer mode.
2. Please prepare any computer (Windows Only) for KAT device pairing and software installation.
3. Please make sure that the internet WI-FI router to which you have linked your PC and headset provides a stable internet connection.

Unleash yourself in any VR adventures, connect fun with exercise, experience realistic social interactions, and much more with any of our solutions via the KAT Nexus!



### Starting Up

Connect the USB-DC cable to the DC port of Nexus, then connect it to a 5V power supply. Wait for the blue power light to turn on (approximately 1 minute).



### Network Connection

Plug one end of the network cable into the Lan port of Nexus, and another end into the Lan port of your internet router (Use the same router to which you have your PC and Headset connected. Once connected to the internet, please wait for the device to update to the latest version of firmware, approximately 10 min)

### Software Set-Up

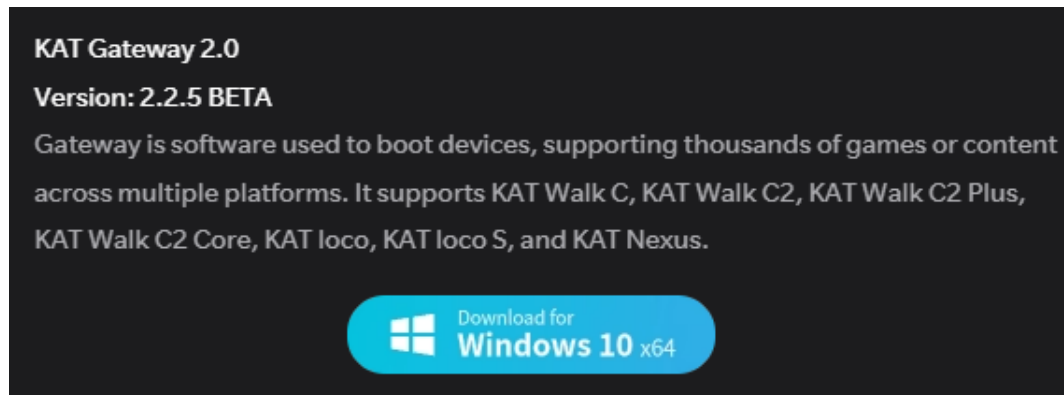
KAT Gateway is the dedicated software for running KAT VR devices. It is currently available in PC, VR-Integrated and Nexus version.

The Nexus version allows you to access all the settings and other features directly from your VR headset.

Hard Disk Space: At least 50~80 MB of space (For installing product software)

Visit the official website: <https://www.kat-vr.com/pages/software-download>.

Download And install KAT Gateway in your computer.

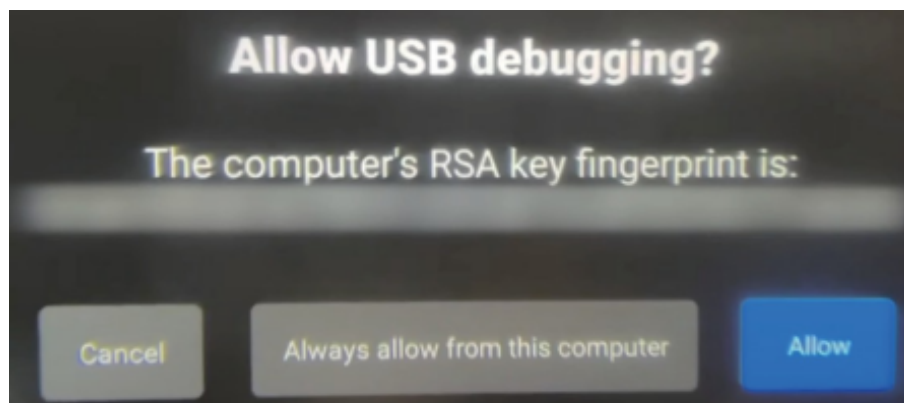


### Get Your KAT Device Ready

If you didn't pair your KAT device yet, plug its USB cable into your computer port, pair the sensors using the PC version of software (follow the instructions in KAT Gateway) and fully charge them.

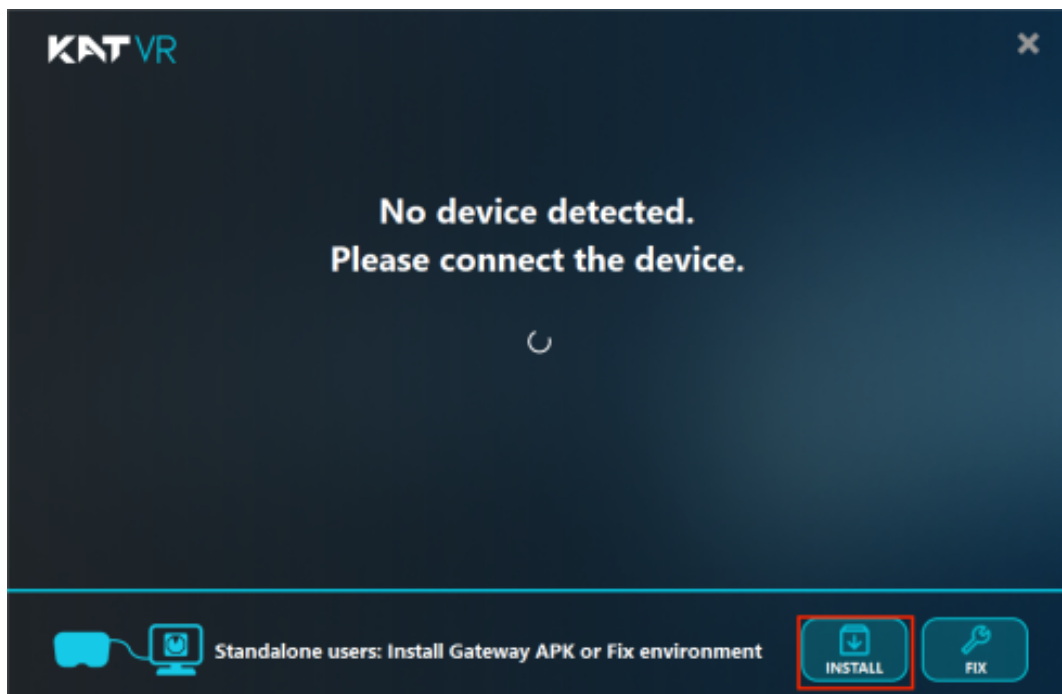
### Install the KAT Gateway of Nexus App onto Your Headset

Connect Your Oculus Quest 2 to the PC via USB-C cable (do not keep any other android devices such as a smart phone connected to your PC at the same time, and do not disconnect the device during installation). Choose 'always enable' in the windows popups if they show (and the same in your headset). Install the Gateway for Nexus via KAT Gateway as following.

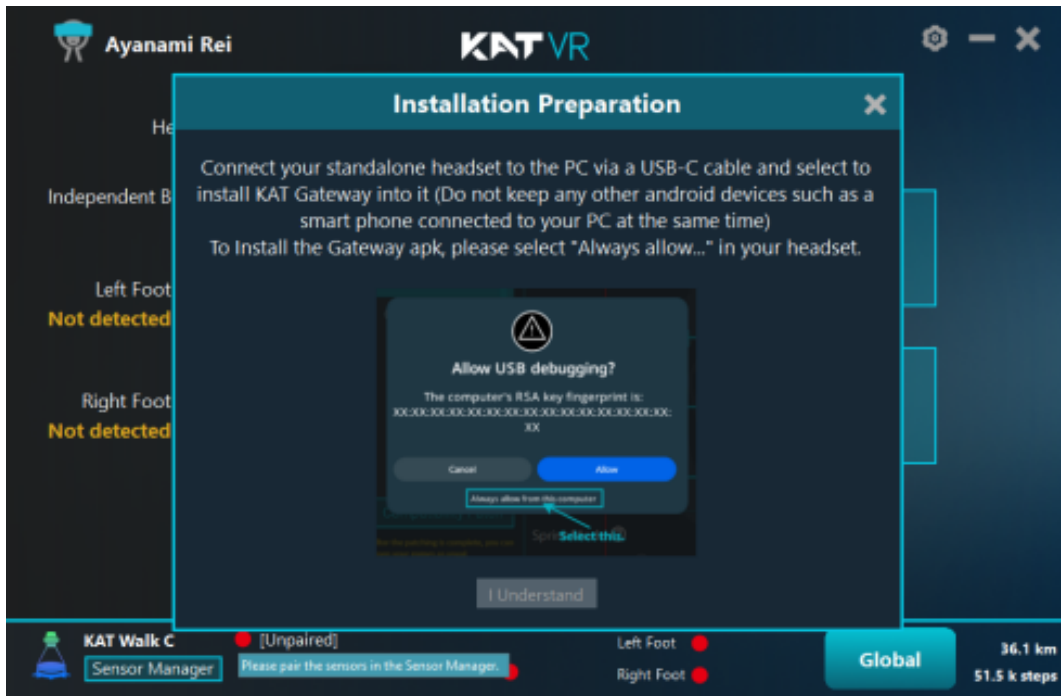


## Via KAT Gateway 2.1.2 or higher

Open the Gateway on your computer and click the installation icon to install KAT Gateway into your Standalone VR headset.



If the headset is not detected, it will display in gray and it won't be possible to proceed. In such a case, re-connect the HMD and check again if it has been detected as normal (displayed in normal color).



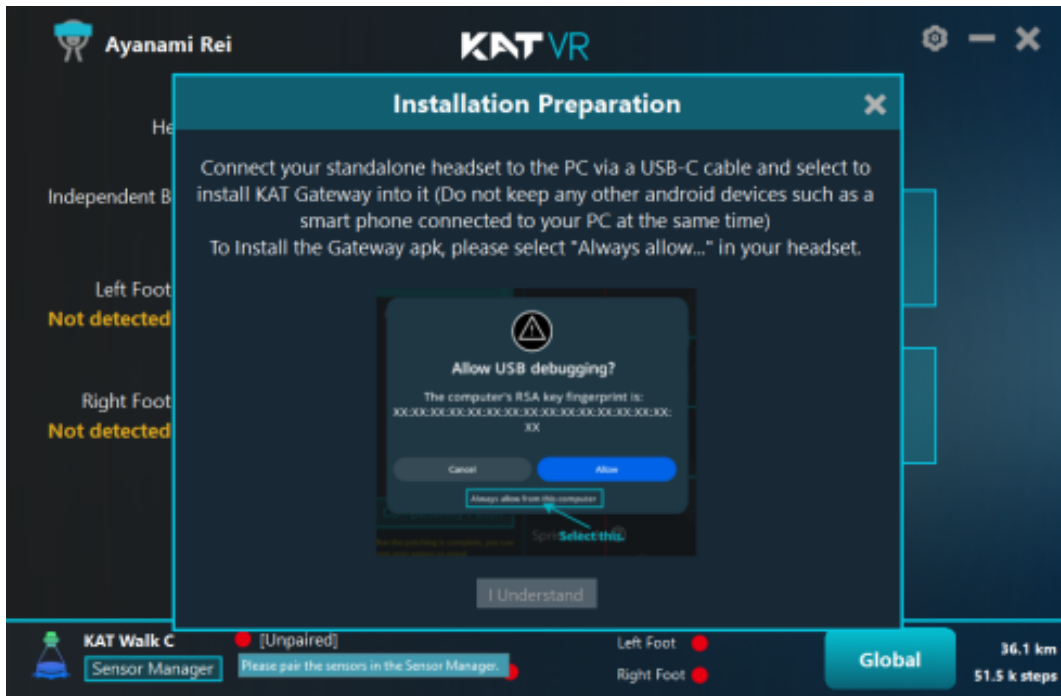
Click 'I Understand' to start the installation.



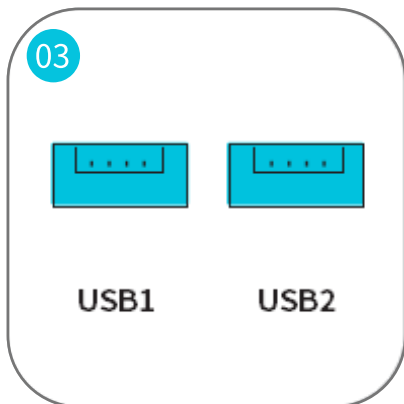
If you have used the old version of Gateway for Nexus, updating to the latest version will provide an expanded game compatibility list and a more streamlined experience.

However, it will result in the loss of independent game saves that were launched and played under the previous Gateway, while all the game saves from your library won't be affected. After installation, you will only be able to play based on your library saves.



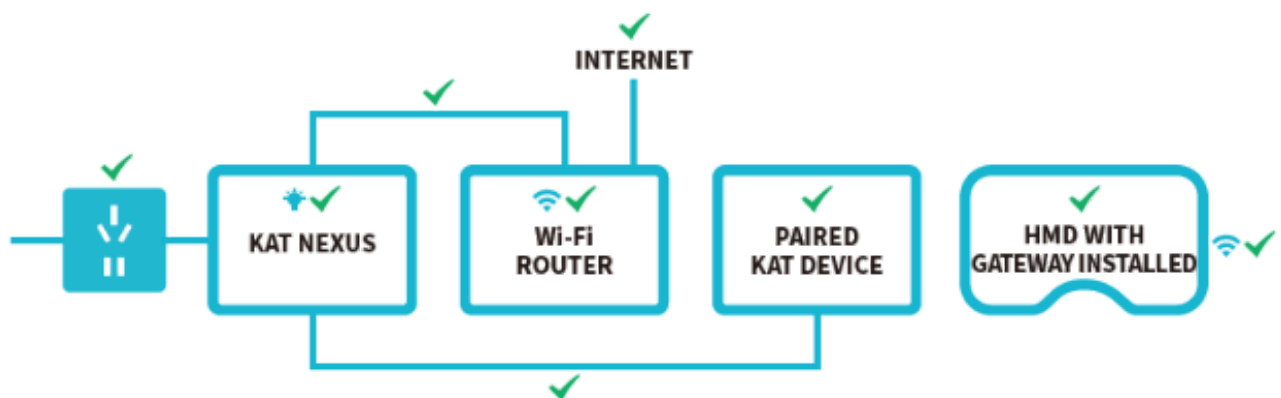


Successful Installation Prompt: Gateway installed into your headset.



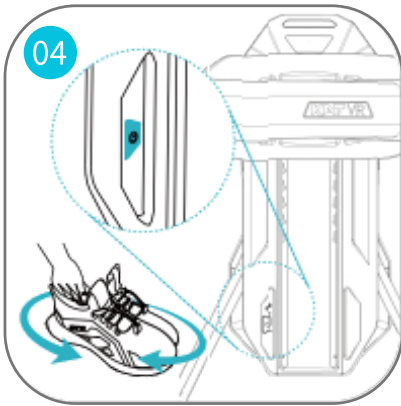
### Connect Your KAT Device to KAT Nexus

Plug the USB cable of your paired KAT device to any USB port of Nexus. Place the KAT Nexus at a safe spot.



\*After completing all the steps, you can unplug the USB-C cable connecting the HMD with your PC

## Entering the Platform (IMPORTANT!)



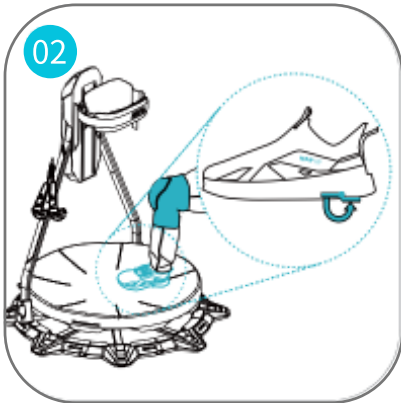
C2 as an example:

Before getting on or when sensors enter sleep mode (inactive  $\geq 30\text{min}$ ), click the main button and shake the shoes. Check the sensor light:

\* Flashing: no connection

Constant: successful connection

None: sleep mode / no power.



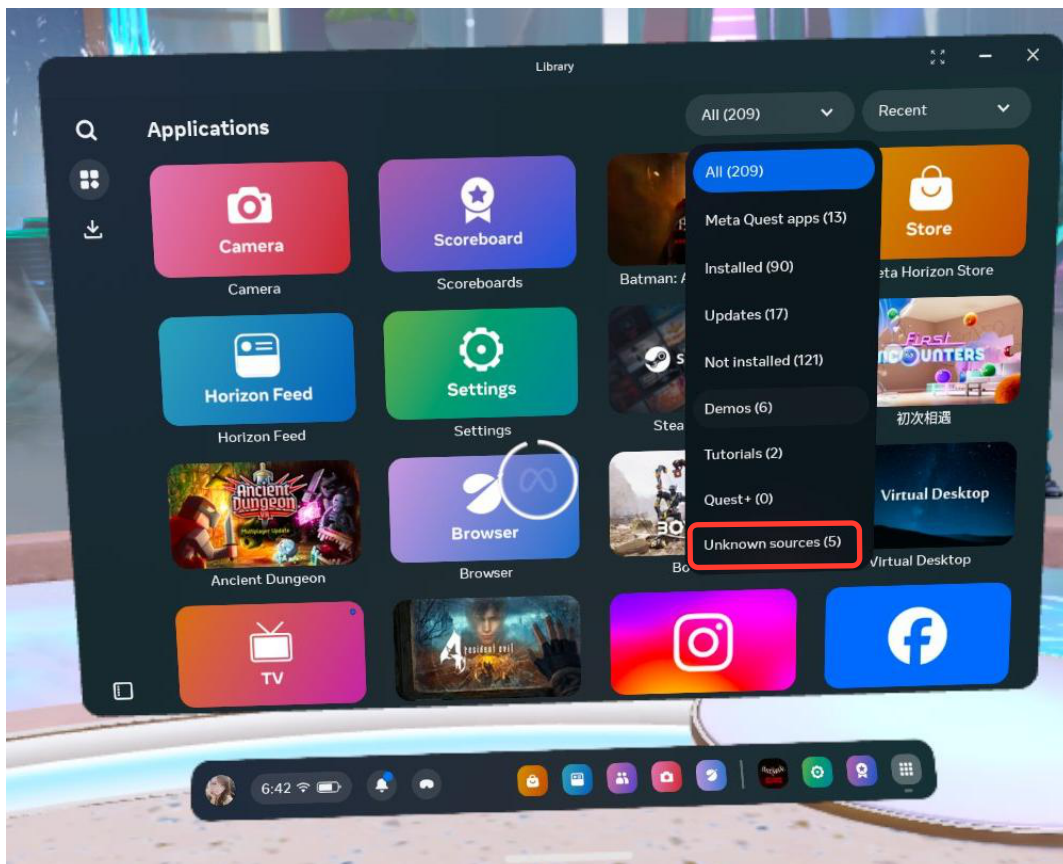
Hang the HMD and controllers on the storage hooks.

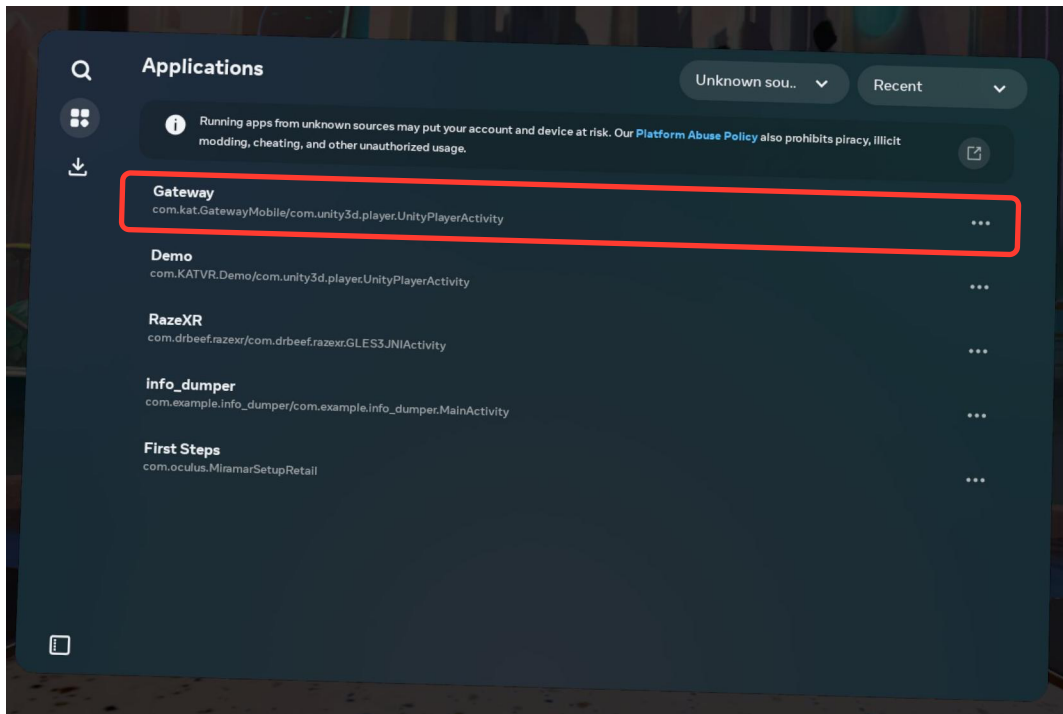
Ensure the anti-slip protection lock is enabled and the base surface is clean. Equip a pair of kneepads and step onto the platform.

\* supported weight: 130kg (286 lbs.)

## Opening KAT Gateway

Put your headset on, open the Oculus App Library>ALL>Unknown Sources, find the app "KAT Gateway" and open it, (choose 'confirm' in the popups if needed). Make sure the sensors are connected and select a game to open it.





# | KAT Gateway of Nexus functions introduction

## Device Status

The interface of KAT Gateway for Nexus once a KAT device is connected (C2 as an example):



Home page of KAT Gateway displays the current device connection status:

- Direction of the inner sensor, low battery reminder;
- Direction of the left foot sensor, low battery reminder;
- Direction of the right foot sensor, low battery reminder

-Vehicle hub status (C2+)

-Haptics status (C2+)

-The Current device Icon, device name, connection status and Sensor Manager

● Connected

● Disconnected: Sensors may enter the sleep mode. Click the main button on the direction sensor and shake the shoe sensors to wake them up. Ensure the sensors are charged. You can pair the sensors in the Sensor Manager.

-Device switch:

This function was designed to help you switch between different KAT devices that you may own. Click 'expand' and select the device to switch to it.

-KAT Walk C 2 Sensors / KAT Vehicle Hub Sensor: Click "+" to see the details about the sensor status.



-The device Icon, device status.

- Device currently in use
- Device is busy
- Device is ready
- Device is disconnected

## Sensor Manager

Check the sensor status and manage the sensors.



-Sensor Status:

- Connected: Sensors are ready.
- Disconnected: Sensors may enter the sleep mode. Click the main button on the direction sensor and shake the shoe sensors to wake them up. Ensure the sensors are charged. You can pair the sensors in the Sensor Manager.

S/N: the serial number of the receiver

Battery Information: Shows the battery status of each sensor



## Games

Game list shows the compatible games that you already installed; compatible game list will be constantly updated. Select the game and click the play button.

Games launched via GW will have an independent game save history, separate from your ordinary saves created when the game is launched via the Oculus Library.

## Patch Games

Patch Status:

- ✓ Patch Installed
- ⬆ Upgrade Patch
- ⬆ No Patches

Please confirm the following information before patching game:

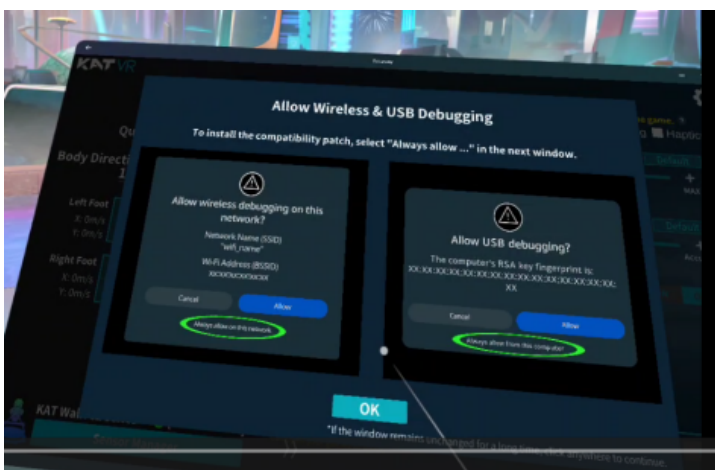
1. Confirm that this game is a supported game on the gamelist.  
<https://www.kat-vr.com/pages/all-gamelist>
2. The game has already been downloaded and installed in the Oculus App Library.

Patch Process:

1. As shown in the picture, select the game that needs patching, click on the 'Install Patch' button at the bottom of the list to start the installation.



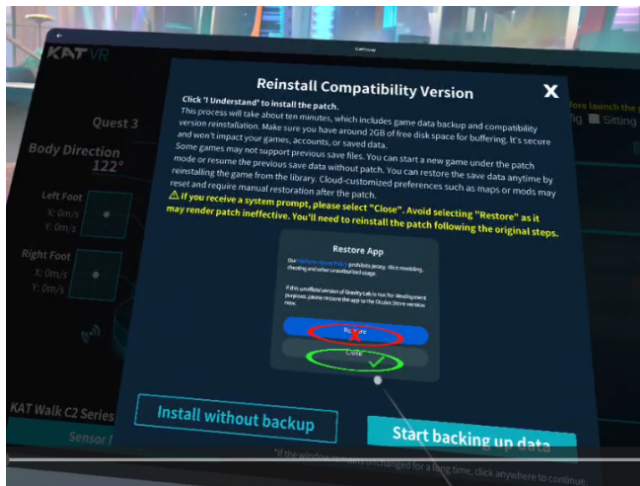
2. Allow wireless & usb debugging, to install the compatibility patch, make sure to select 'always allow...' at the bottom of the next window.



3. Click 'Start backing up data' to the next step.

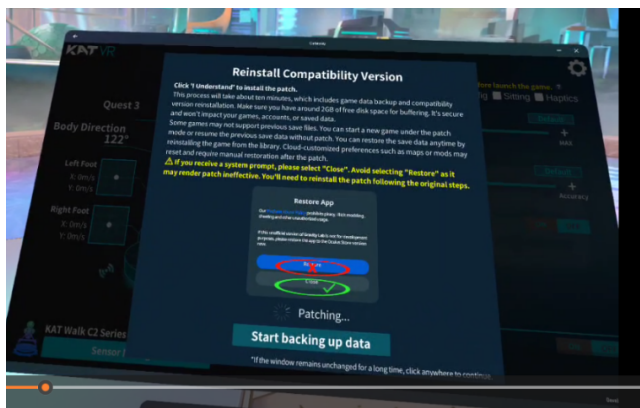


If you receive a system prompt, please make sure to select 'Close'. Avoid selecting 'Restore' as it may render patch ineffective. You'll need to reinstall the patch following the original steps.



4. Patching...

This process will take about ten minutes, which includes games data backup and compatibility version reinstallation. If the window remains unchanged for a long time, click anywhere to continue.

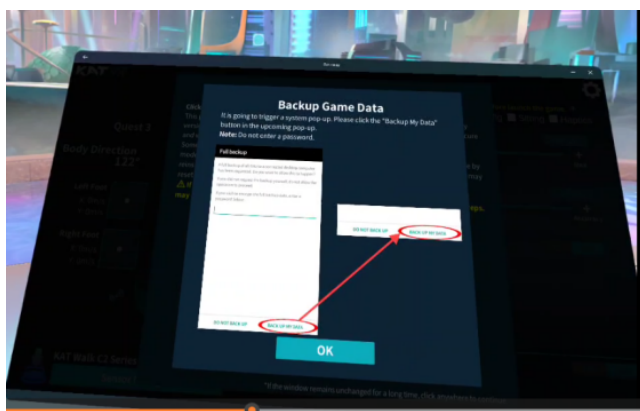


5. Backup Game Data.

It is going to trigger a system pop-up. Please click the 'Backuo My Data' button in the upcoming pop-up.



Do not enter a password.

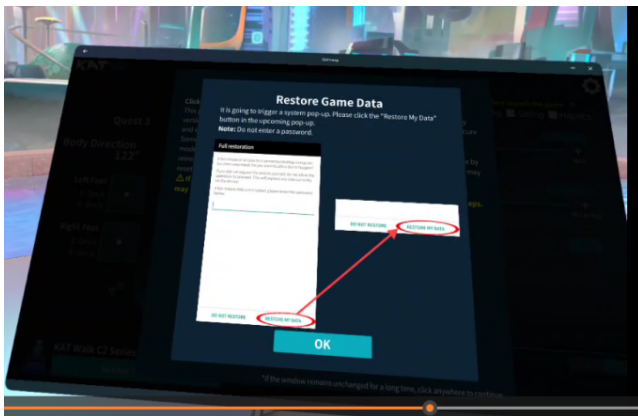


## 5. Restore Game Data.

It is going to trigger a system pop-up. Please click the 'Restore My Data' button in the upcoming pop-up.

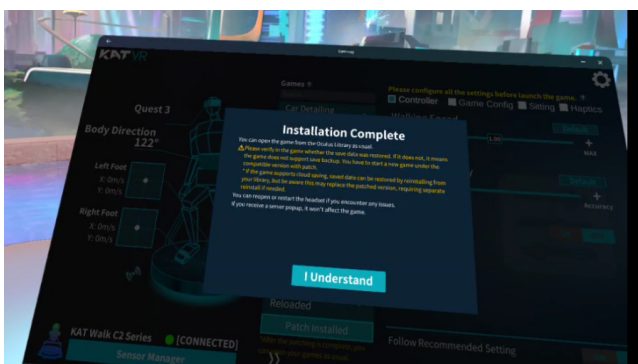


Do not enter a password.

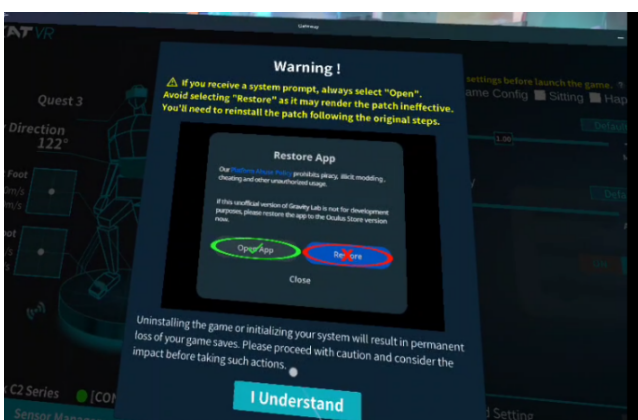


## 7. Installation Complete

You can open the game from the Oculus Library as usual.



If you receive a system prompt, always select 'Open'. Avoid selecting 'Restore' as it may render the patch ineffective. You'll need to reinstall the patch following the original steps.





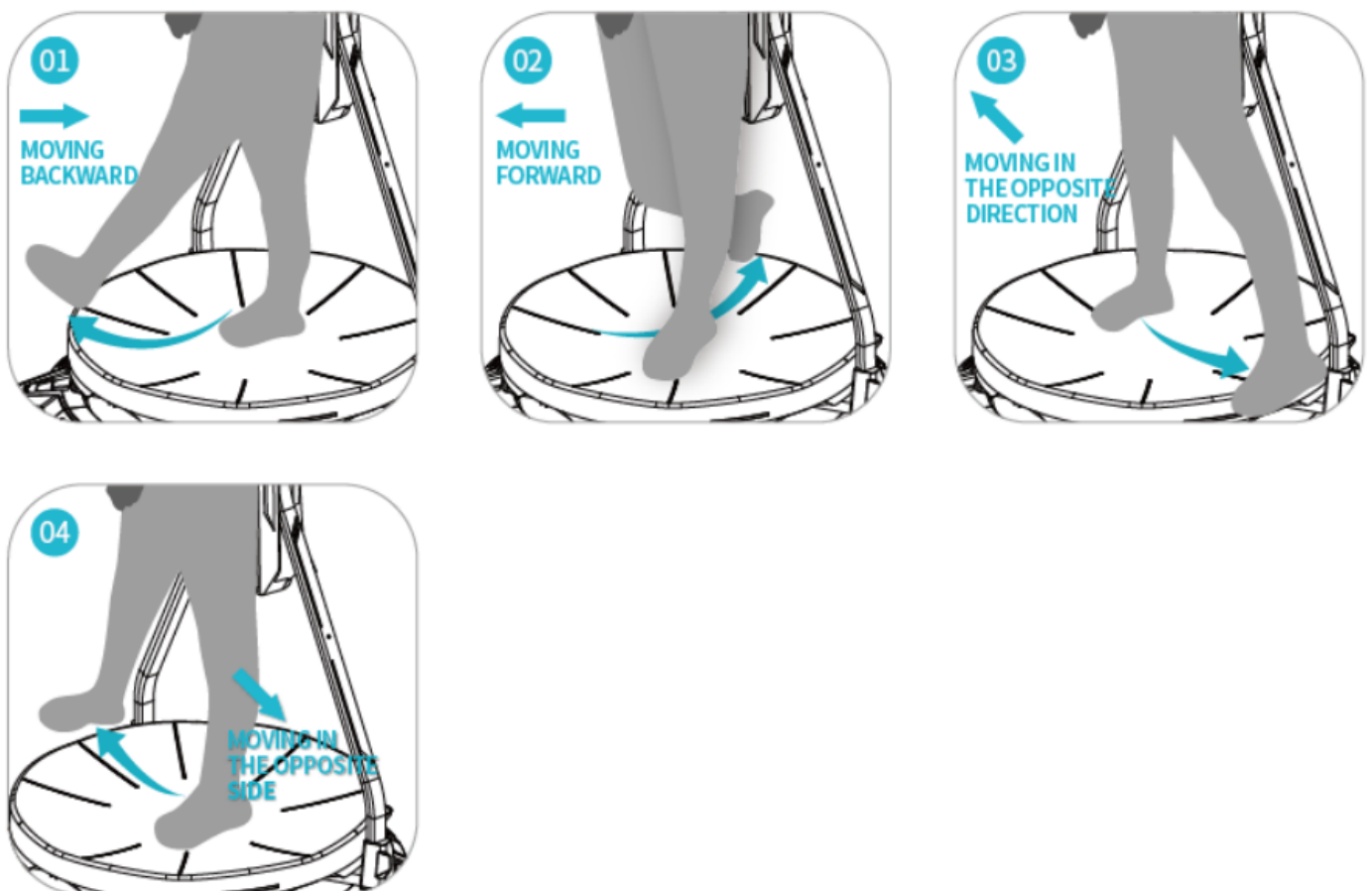
## Follow Recommended Settings (The following are consistent)

You can also enable the 'Follow Recommended Settings' option to play on our pre-set default profiles.

### Controller: Options of the device main functions

- Walking Speed: Adjustment of the walking speed for the selected game.
- Walking Accuracy: Adjustment of the walking accuracy for the selected game. Higher accuracy provides more realistic locomotion with a feeling of moving forward step by step. Higher fluency makes movement smoother. Default: Click 'Default' to reset the game profile.
- Cruise mode: Enables you to trigger smooth, continuous movement forward without constantly walking.

You may turn on or off the cruise mode which allows you to move continuously without walking. When 'on', you can trigger strafing by putting your foot on the platform, sliding it forward or backward and keeping in a stable position. continuous strafing to the sides can be triggered in a similar way.

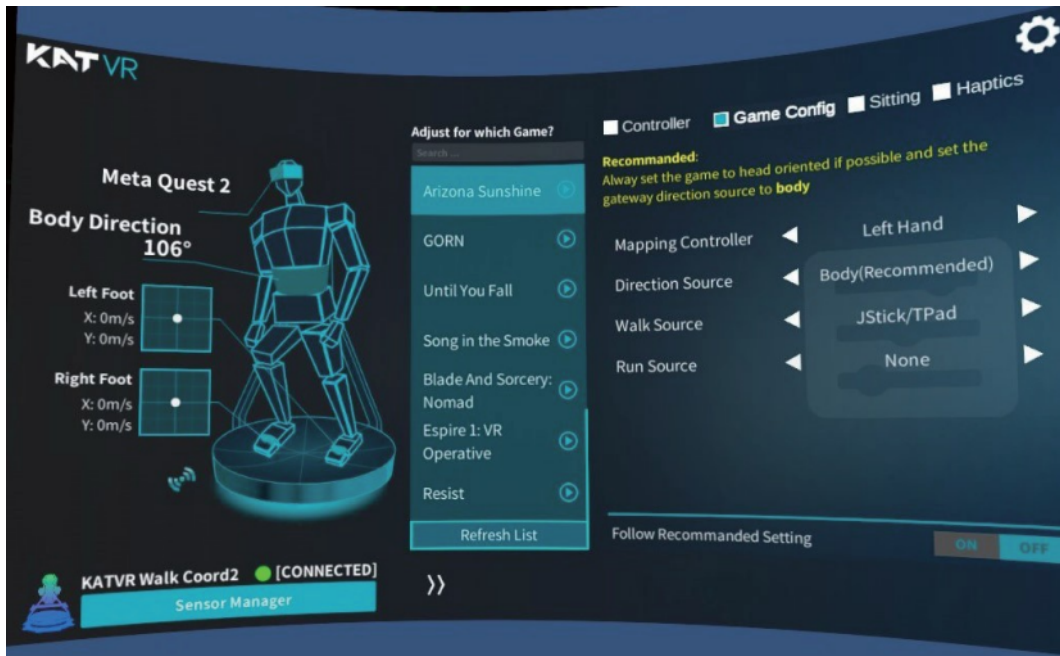


## Game Config

Locomotion system differs in different games! Your KAT Device can only work properly when the settings are all correct based on the following instructions



Always set the in-game locomotion settings to Head Oriented movement if possible!



- Mapping Controller: Try the game and find out which hand controller controls walking. Set it accordingly here.
  1. Righthand: Choose this option if the Right Hand controller controls walking in game.
  2. Lefthand: Choose this option if the Left Hand controller controls walking in game.
- Direction Source:
  1. Body (Recommended): Choose this option to enable Decoupled directions so you could walk towards the direction of your body
  2. Controller (NOT Recommended): Choose this option to enable Decoupled directions towards the controller.
- Walk source (as in the game): Check the game and find out what action triggers walking and set it accordingly here.
  1. JStick/TPad: Push the Joystick/Touchpad to walk;
  2. JStick/TPad-Pressed: Press down and push the Joystick/Touchpad to walk;
  3. A/X: Press A/X to walk;
  4. B/Y: Press B/Y to walk;
  5. Grip: Grab Grip button to walk;
  6. Trigger: Press Trigger to walk;
  7. None: Choose this option if you are playing a game without any walking function.

## Haptics and Sitting



Haptic and Sitting Customization Settings available for C2 + only, please refer to KAT Vehicle Hub User Manual.

[https://download.katvr.com/product/literature/KAT%20Vehicle%20Hub%20Owner's%20Manual 1668589353045.pdf](https://download.katvr.com/product/literature/KAT%20Vehicle%20Hub%20Owner's%20Manual%201668589353045.pdf)

\*Sitting function Upgrading. Apologies for any inconvenience.

# | APPENDIX

## **Contact Information**

- Company: Hangzhou Virtual and Reality Technology Co., Ltd
- Add: 9th floor - Building 6, No.1818-2, West Wenyi Road - Yuhang Street, Yuhang District, Hangzhou City, Zhejiang Province, China
- Postal code: 311100
- Email: [service@katvr.com](mailto:service@katvr.com)
- Web: [www.kat-vr.com/](http://www.kat-vr.com/)

**KATVR**

[www.kat-vr.com](http://www.kat-vr.com)