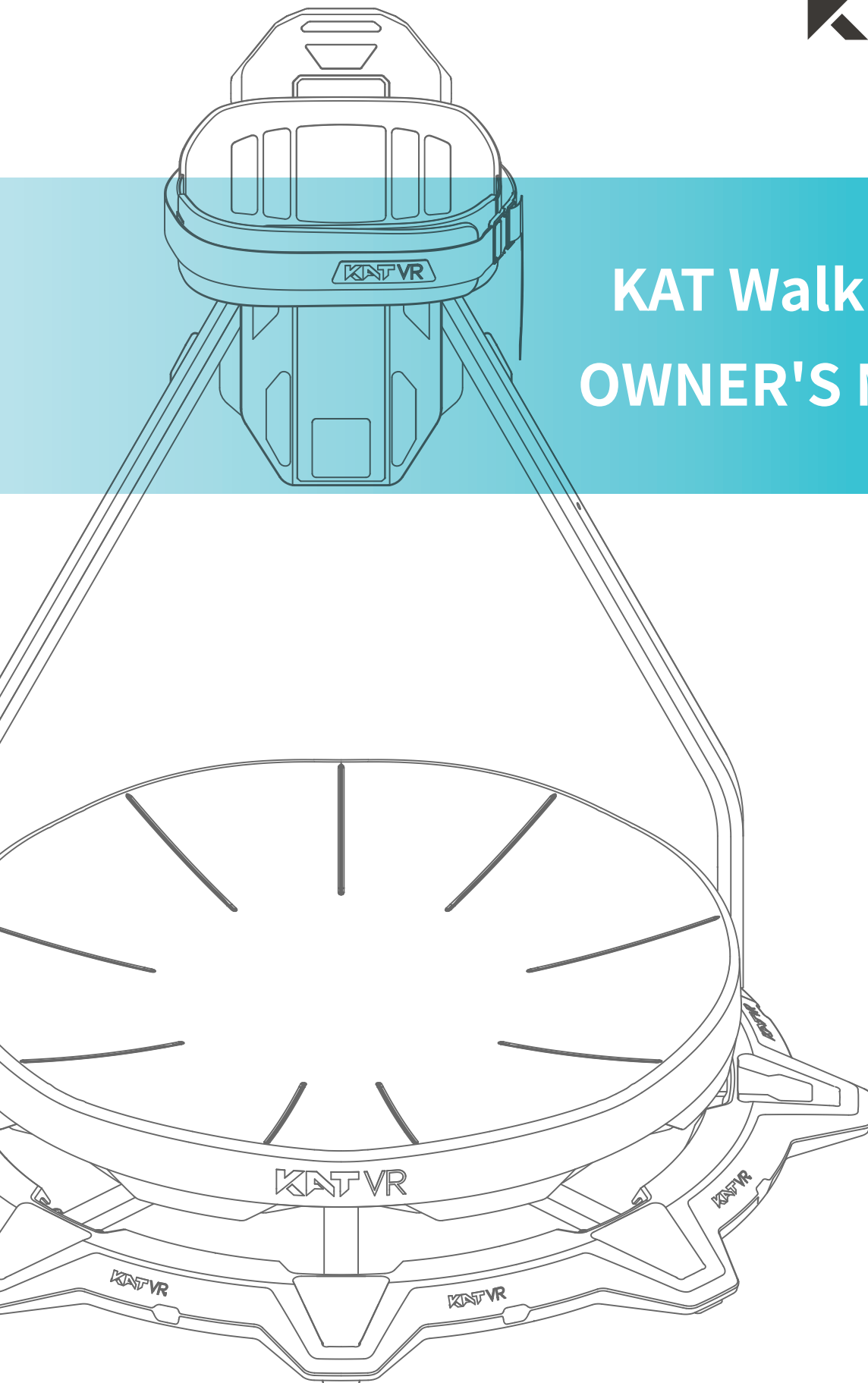




KAT Walk Coord 2 OWNER'S MANUAL



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.

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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

KAT VR 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>

| Safety Instructions

To avoid injury or damage to the product, read and follow all the assembly and operation instructions before using KAT Walk Coord 2.

- This device is intended for use by healthy people aged 14 to 60, who are between 1.55m/ 5'1" and 2m/6'7" of height (recommended 1.60m/ 5'3" to 1.95m/6'5") and weight below 130kg (286 lbs). Do not use the KAT Walk Coord 2 if you do not meet the age, height or weight requirements, or if your physical condition does not allow for moderate to intense physical activity. If you are uncertain of your health condition, please consult your doctor first. It is recommended to use the device for no longer than 1 hour without a break.
- The device has been designed specifically for personal personal VR entertainment entertainment. Use for any other purpose, including but not limited to medical rehabilitation is strictly prohibited.
- Please use the device according to the corresponding instructions or under the guidance of a professional to avoid injuries. Pregnant women or those with epilepsy, cardiopulmonary diseases, eye diseases, mental illnesses, anemia, people undergoing postoperative recovery and people with any physical or limb diseases, especially lower limb diseases are strictly prohibited from using this device.
- The device has moving parts - please do not approach when in use by others to avoid accidents. Pay special attention to children and pets. Spectators should always keep safe distance of at least 1 meter.
- Always check the device before use to confirm that it is in a normal state without cracks, scratches, bumps, bends, oddly moving parts or other signs of wear and tear. Check all connections and moving parts to ensure that the nuts, bolts, and other joint structures are tightly fastened.
- The product base is slippery. When stepping on and off, make sure the anti-slip lock on the shoe sole is ENABLED. Equip a pair of kneepads and step onto the platform. Hold the back-support plate to keep balance. Before use, ensure the safety harness is tightly fastened according to the instructions in this manual. Do not use the device with the safety belts unfastened. When using the device, do not try to purposely reach beyond the product base with your foot.
- Be sure to read and follow all the product instructions and warnings of your VR Headset.
- Choking hazard: Do not leave small components that pose suffocation hazard to children or pets where they can reach.
- Placement risks: Do not place this device in the following locations:
 - (1) Outdoor with direct exposure to the sunlight;
 - (2) Inclined or unstable surfaces;

(3) Exhibition booths made of glass or those that are incapable of meeting the weight support requirements;

(4) Near firefighting equipment or safety exits, etc.

If you need to change the location after completing the assembly and installation, be sure to disassemble the device in strict accordance with the components order, use the same material as the original packaging to wrap the device, and choose a high-quality logistics or handling company for the device transportation. Otherwise the product may be prone to damage.

- Keep the device safely away from liquids or containers holding liquids and keep it dry at all times.
- Keep the device safely away from strong magnetic items, which may affect the use of the product.
- Do not place the device and its other components near fire or heat sources, nor leave it directly exposed to the sun.
- Do not insert items into any openings of the device.
- Always turn off the power of any related equipment before unplugging the device. Avoid suddenly cutting off the power supply to avoid short circuits. Always disconnect the device before thunderstorm comes. When disconnecting the device, always pull the USB connector and not the cord.
- Radio Frequency Interference: This product might emit radio waves that might interfere with the operation of nearby electronic equipment. If you are wearing a pacemaker or any other implantable medical device, consult your doctor or your medical device manufacturer before using the product. In order to minimize radio frequency interference, use only accessories approved by the original manufacturer. Do not use at the same location, or together with any other antenna or transmitter.



This device has been evaluated and proven to meet the general RF exposure requirements. The device can be used in portable exposure conditions without restriction.



FCC STATEMENT:

Please take attention that changes or modification not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

CAN ICES-3 (B)/NMB-3(B).



IC STATEMENT:

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radioexempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

CAUTIONS:



POWER SUPPLY

The power source should meet limited power source or PS2 requirements according to IEC 60950-1 or IEC 62368-1 standard. Refer to the device label for the standard power supply. Please make sure your power supply matches with your device. Use a power adapter provided by qualified manufacturers. It is recommended to provide an independent power adapter for each device as adapter overload may cause over-heating or a fire hazard.

BATTERY

Risk of explosion if the battery is replaced by an incorrect type.

Improper replacement of the battery with an incorrect type may defeat a safeguard (for example, in the case of some lithium battery types). Do not dispose of the battery into fire or a hot oven, or mechanically crush or cut the battery, which may result in an explosion.

Do not leave the battery in an extremely high temperature surrounding environment, which may result in an explosion or the leakage of flammable liquid or gas. Do not subject the battery to extremely low air pressure, which may result in an explosion or the leakage of flammable liquid or gas. Dispose of used batteries according to the instructions.



Violation of the above safety instructions or any other misconduct may cause personal injury or damage to the product, for which KAT VR will not be held responsible.

| Health Warnings

The following health warnings will be updated regularly to ensure accuracy and completeness:

- Before use, it is required to carefully read the product manual and follow all the given instructions. Incorrect set-up of the device may pose safety risks. Pregnant women or those with epilepsy, cardiopulmonary diseases, eye diseases, mental illnesses, anemia, and people undergoing postoperative recovery are strictly prohibited from using this device.
- Due to different personal health predispositions, and in order to avoid physical discomfort such as dazzling, dizziness or headache, we do not recommend prolonged use of the device. If you experience any discomfort, you should immediately stop using the device and avoid involvement into any physical activities that may pose safety hazards until the symptoms disappear completely. If the symptoms persist for a longer period of time, do not use the device until consulting a physician.
- Users with history of epilepsy or photosensitive epilepsy, are required to consult a physician before viewing VR content which may include flashing light sources and rapid image sequences.
- During the use of this device by a child, an adult guardian should always be present to ensure that they do not experience any of the above-mentioned discomforts. If it is your first time using this equipment, shorter periods of use are advised for gradual adaptation to virtual reality. Even then, it is advised to gradually increase the length of use.
- In case of fatigue, hangover, headache, earache, or when under the influence of alcohol or drugs, emotional distress or anxiety, it is strictly forbidden to use the device, or the condition will be aggravated.

- If you experience the following symptoms when using the device, stop doing it immediately:
 - (a) Seizures, loss of consciousness;
 - (b) Eye fatigue, eye muscle twitching, blurriness or other visual abnormalities;
 - (c) Body balance or hand-eye coordination problems;
 - (d) Lethargy, nausea, excessive sweating, or any symptoms indicating motion sickness.
- Symptoms caused by virtual reality may persist and become more apparent in a few hours after use. For your personal safety, do not drive, operate machinery, engage in any other activities that are visually or physically demanding or require body balance and hand-eye coordination, until full recovery.



Those who use this device are considered to have full capacity of civil conduct and have complied with the aforementioned matters.

| Product Introduction

Product Description

KAT Walk Coord 2 Description

KAT Walk Coord 2 is an all-action VR treadmill designed for gamers, especially these with motion sickness and limited physical space to overcome the immersion-breaking compromises rooted in traditional methods of VR locomotion. At the same time, it enables the missing ways of intuitive Human-VR interactions.

Product Appearance

KAT Walk Coord 2



KAT Walk Coord 2 Plus



KAT Walk Coord 2 Dedicated Shoes Introduction

KAT Dedicated Shoes

The KAT Walk Coord 2 dedicated shoes are a special, friction-customizable footwear designed to be used with the KAT Walk Coord 2. Offering adjustability to personal preferences and walking habits of different users, and used in combination with the low-friction walking platform, the dedicated shoes ensure natural foot and leg movement, what provides a highly immersive VR Walking experience.

The dedicated shoes contains two layers of insoles, the upper layer is a sports functional insole, and the lower layer is a size-adjustable insole. We recommend that the shoes are too small and the shoelaces are tightened for the best experience. If the user thinks that the shoes are too tight, you can remove the lower layer of size-adjusting insole.

In order to avoid injuries, always use the dedicated shoes and waist harness according to the instructions. Dedicated shoes are only suitable for use with KAT Walk Coord 2 and it is strictly prohibited to use them in any other situation or for any other purpose.

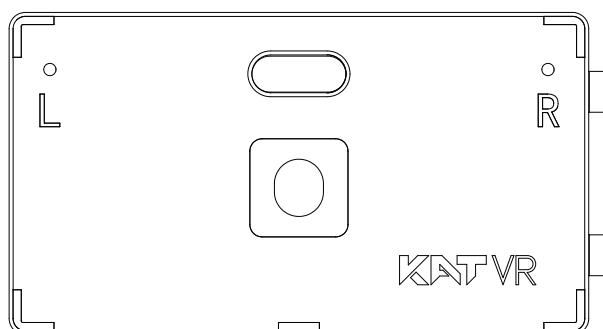


The dedicated shoes must not be used on any other surface than on the C 2 platform. for any other purpose.



KAT Walk Coord 2 Foot Sensor Introduction

The KAT Walk Coord 2 Foot sensors are mounted on the bottom of the special shoes and serve the purpose of physical movement translation into movement in VR to ensure a highly accurate simulation of walking in any direction.



Foot Sensor	
Model	WK321
Input	5V = 500mA
Battery	3.7V Li-Ion Polymer 370mA

KAT Walk Coord 2 inner sensor Introduction

The KAT Walk Coord 2 Inner Sensor is mounted in the the back-support plate to collect the body direction data and transfer it into the game. The sensor has a direction calibration button for a quick and easy calibration whenever needed.



Indication signals of a successfully paired sensor:

- 1.R LED light indicates the right sensor, and the L LED light indicates the left sensor;
- 2.LED light status indicators (Note: Battery status will be only displayed after successful sensor pairing and connection);

3.Charging: Lights flickering on left and right sides.

Charging State Detected: Continuous bright lights and immediately turn to blink at same frequency (with interval of 0.5s). ;

4.Normal operation: Normal, lit light; Low battery: Slow flashing light (3-sec. intervals);

5.Unpaired connection: Flashing light (1-sec intervals) ;

6.Pairing: Quick flashing light (0.5-sec intervals) ;

7.Sleeping mode / No power: No light.

Product Parameters

Suitable age	14-60 years
Suitable weight	Below 130kg (286 lbs.)
Supported height	1.55m-2.00m / 5' 1" - 6' 7"
Recommended height	1.60m-1.95m / 5' 3" - 6' 5"
Product weight	KAT Walk Coord 2 54kg KAT Walk Coord 2 Plus 57kg
Base height	230mm / 9"
Squat width	0.48m/ 1' 7"
Product size	1.250×1.250×1.585m (49.2" x 49.2" x 62")
Base diameter	940mm (37")
Footprint	1.2m ² (12.91 Square Feet)
Charging time	About 1 hour
Battery life	7hrs
Voltage	KAT Walk Coord 2 5V DC KAT Walk Coord 2 Plus 110~240V
Operating temperature	0°C~40 °C
Working humidity	20%Rh~85%Rh
Working altitude	<2000m

| Product Installation



Incorrect installation of the KAT Walk Coord 2 may lead to safety hazards. Before proceeding with the installation, read carefully the following instructions:

Precautions

Tools preparation

- Before unpacking, prepare your own scissors. Avoid wearing slippers, high heels or other shoes unsuitable for physical work.
- Please, keep in mind that the gross weight of the device may exceed 68 kg. Ensure sufficient help of others to avoid injuries during transportation.

Finding a suitable place

- Place the device in a reasonable distance from your PC to ensure that the USB cable can reach it.
- It is not advised to place the device on smooth surfaces that are easily scratched by metal, e.g. wooden or tiled floor.
- Place KAT Walk Coord 2 on a carpet or take other measures to protect the floor.
- Ensure there is no furniture or other household items that can be easily knocked within the device vicinity.

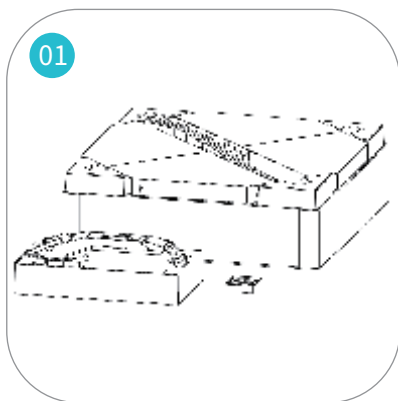


Wear protective gloves throughout the entire procedure (Free pair included in the toolbox). Installation steps that only apply to the KAT Walk Coord 2+ (premium version) are marked with a separate notice and do not need to be completed by the owners of the KAT Walk Coord 2 (non-premium version).

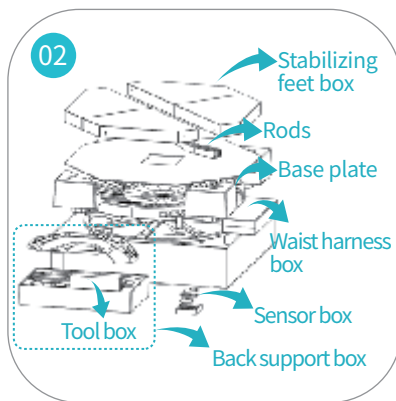
Unpacking method



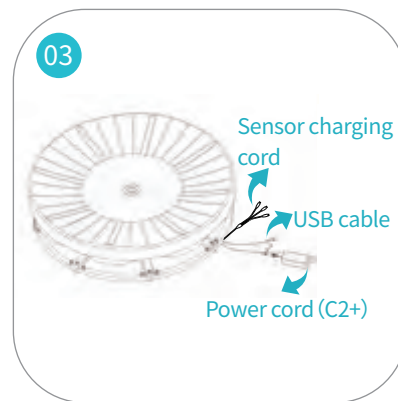
All screws must be tightened very firmly, especially in the marked crucial steps. Failure to do so may result in potential safety hazards or affect the experience.



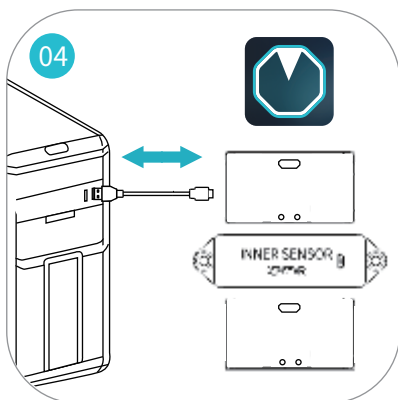
Remove the covers. Items in the box should be organized as in the picture.



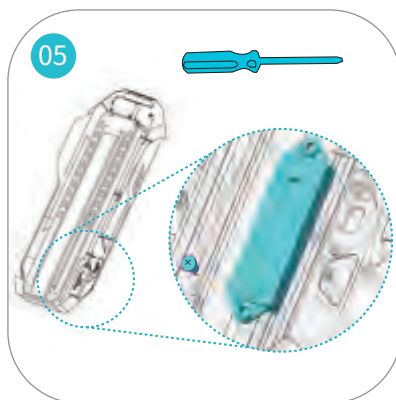
Find protective gloves in the tool box and put them on, then take out all the other boxes as shown. Refer to the packing list for details.



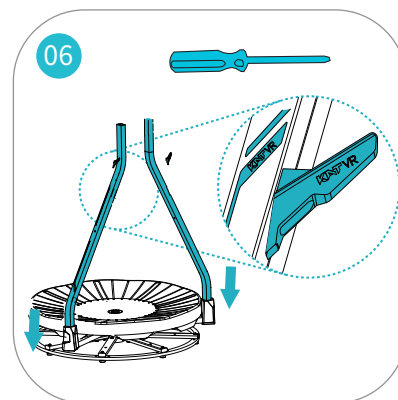
Take out the base (39kg) and place it on flat surface with the cable facing the computer. Connect the power cord to a socket and the USB cable to the PC.



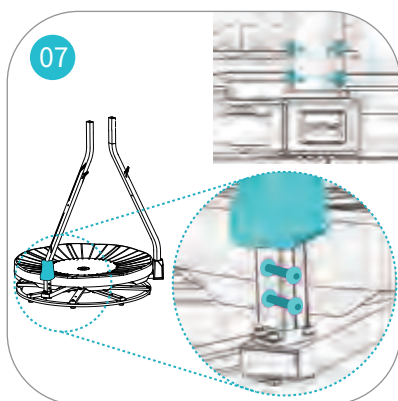
Download and install KAT Gateway (<https://www.kat-vr.com/pages/support>). Pair the sensors (follow the instructions in KAT Gateway) and fully charge. (page 20)



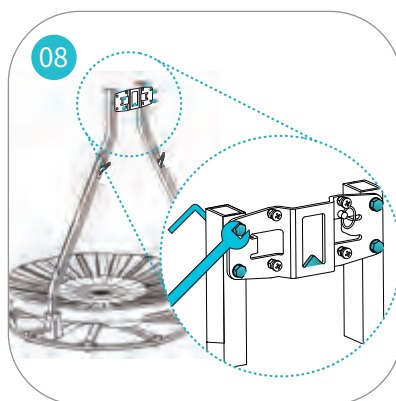
Mount the inner sensor on the back-support plate (List: No. 19 screws).



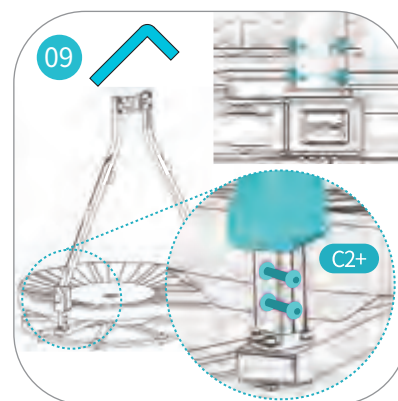
Mount the storage hooks (List: No. 19 screws) and insert the supporting rods into the rod openings on the base.



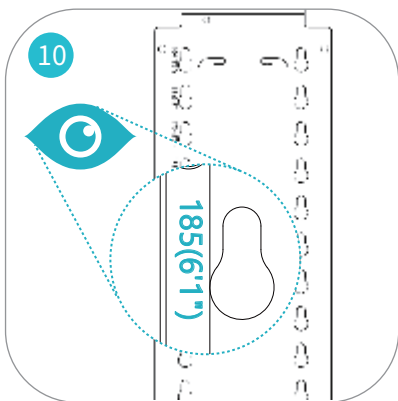
(ONLY FOR C2+: Lift the rubber cover on the bottom). Slightly lift the rods to align the screw openings. Insert screws with gaskets (List: No. 15 gaskets, No. 17 screws). Temporarily, do not tighten.



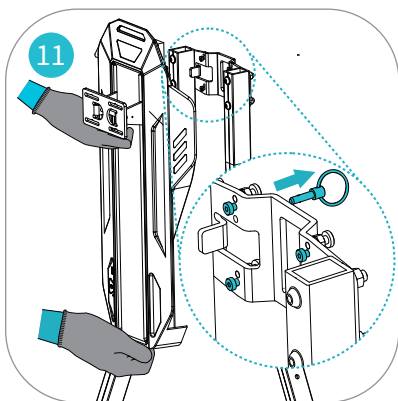
i Remove the screws and gaskets. Align the connection plate (mind its direction) with the screw holes on the supporting rods, use the 5mm hexagon wrench to hold the screws and tighten the nuts (List: No. 11, No. 13).



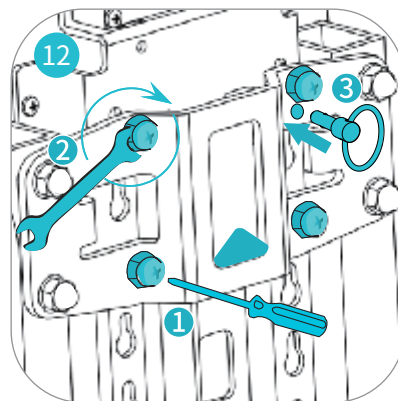
i Now, tighten the bottom screws (ONLY FOR C2+: Push the rubber cover back down). Note: Tighten well to avoid safety hazards.



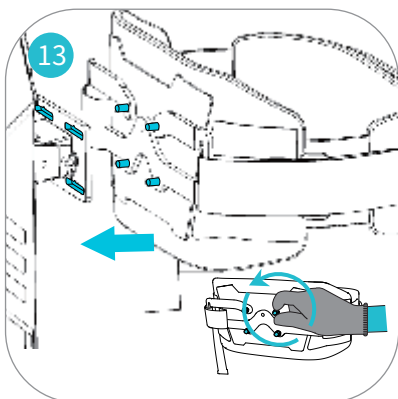
Locate the height indicator on the back support corresponding with your body height. When mounting the device, push forward and firmly pull it down to ensure it reaches the lowest position in the socket.



Pull out the safety pin, step on the platform facing the rods. Mount the support plate on the upper bolts of the connecting plate (According to your height).

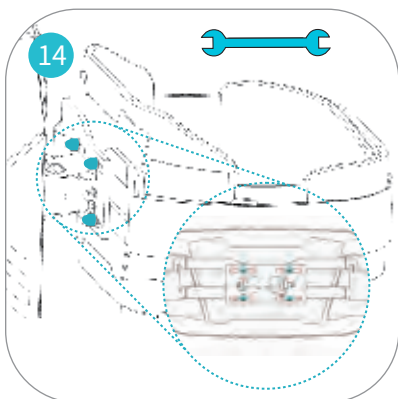


i Tighten the screws with screwdriver, then tighten the nuts with wrench. Insert the safety pin back completely. Note: Tighten well to avoid safety hazards.

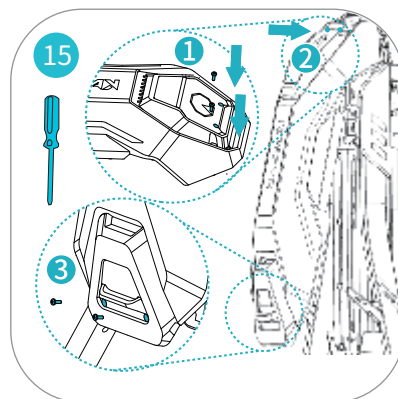


Ensure the harness logo faces up, remove the bolt heads, align the bolts with the center of long slot of the back plate.

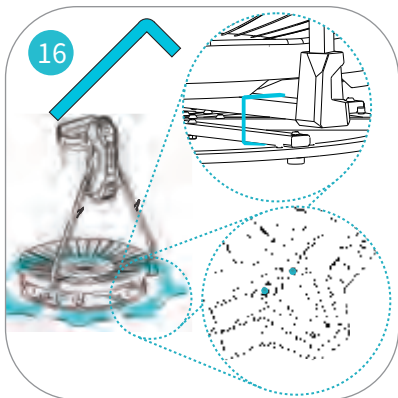
* Bolt position can be adjusted to counteract the rotation deviations effect caused by uneven ground level.



i Install the bolt heads. Get onto the platform, fasten up and try squatting to test whether the harness position is comfortable. Note: Misaligned or loosen screws will affect the device operation.



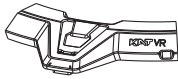
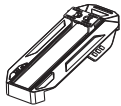
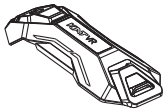
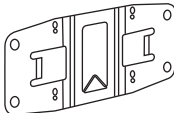
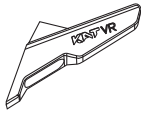
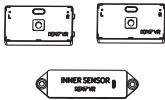
Insert screws into the two top openings on the back support outer shell. Pick it up, align with the back support, press, and tighten the top screws. Then, install and tighten the bottom screws (List: No. 18 screws) .

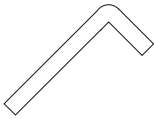
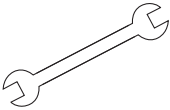
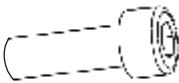
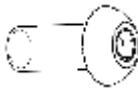
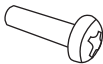
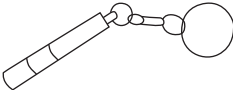
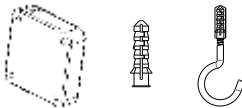
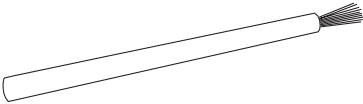


i Cut the cable ties, place the eight base stabilizing feet on the bottom of the base and fix them with screws. (List: No. 15 gaskets, No. 16 screws). Note: Tighten well to avoid safety hazards.

Packing List

Before assembly, check carefully whether the quantity and type of tools and accessories is consistent with the below list. If anything is missing, contact our customer service at service@kat-vr.com before you proceed.

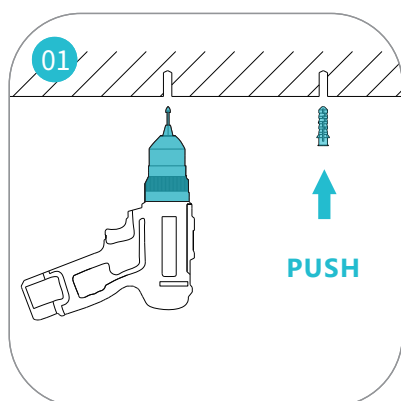
No.		Component Name & Picture	Quantity
1	Main Structure	Base 	1
2		Stabilizing Feet 	8
3		Back Support Rod 	1
4		Back Support Plate 	1
5		Back Support Shell 	1
6		Connecting Plate 	1
7		Waist Harness 	1
8		Storage Hook 	2
9		Dedicated Shoes 	1
10		Set of Sensors 	1
11	Tools	5mm Hexagon Wrench 	1

12	Tools	6mm Hexagon Wrench		1
13		10-13mm Open-End Wrench		1
14		Phillips Screwdriver		1
15	Accessories	8mm Gaskets		28
16		M8×30 Hexagon Head Screws		17
17		M8×20 Hexagon Round Head Screws		9
18		M4×16 Cross Head Long Screws		5
19		M4×8 Cross Head Short Screws		7
20		0.5m Micro USB Wire		1
21	Gift Set	Pair of Gloves		1
22		Static Eliminator		1
23		Maintenance Oil		1
24		HMD Wire Pulley		1
25		Sensor Cleaning Brush		1

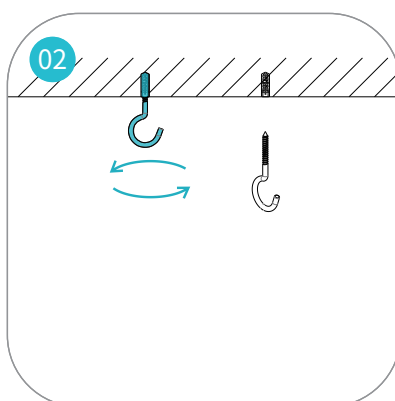
Reminder:

Base Surface Lubrication oil: The Lubrication oil is not for daily use and is not recommended to new users of the device. Use only if the VR EXPERT level of shoe friction is not enough for you. Method of use: One drop is enough. Spread evenly on the surface using dry cloth.

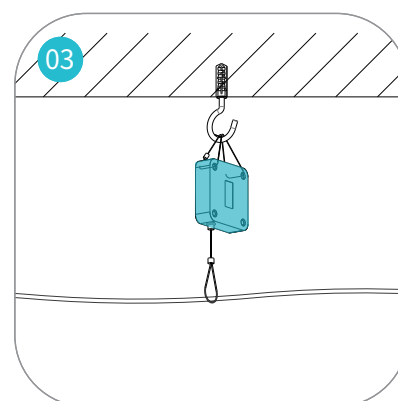
Installation of the HMD wire pulley (Giveaway) :



Drill a hole in the ceiling about 1m (horizontally) away from the center of the treadmill. Place the expansion screw sleeve into the hole.



Mount the hook into the expansion screw sleeve and tighten.



Thread the headset cord through the loop and then hang the pulley on the hook.

| Software Set-Up

KAT Gateway Software Introduction

KAT Gateway is an independent software platform designed by KAT VR for the management of the KAT Walk Coord 2.

With KAT Gateway, you can quickly connect the KAT Walk Coord 2 with your computer system to manage the device, view the current connection status, adjust the settings, and run the available VR content. Thanks to our inSteam Turbo Mode, each compatible game will be automatically launched with the optimal settings configuration. You can access the KAT Gateway's control panel either from your computer screen or directly from the VR headset.

Both the desktop and VR-Integrated dashboard of KAT Gateway grant you access to a variety of adjustable parameter settings allowing to make the necessary changes and turn the KAT Walk Coord 2 into a perfect VR input device for your needs.

Through KAT Gateway, you can achieve real-time control over your KAT Walk Coord 2 with all of its settings as well as quickly adapt the device to all supported content. With SteamVR you can operate the device without taking off the VR headset or leaving the platform.

Note: KAT Gateway supports active recognition of all the supported content whether launched through steamVR or directly through the game exe files.

KAT Gateway VR-Integrated dashboard can be only accessed through SteamVR.



The KAT Gateway VR integrated dashboard based on the Steam VR will be provided as a software update.

System Requirements

Operating system: Microsoft Windows 10

USB port: 2x USB 2.0 or higher

Hard Disk Space: At least 400 MB of space (For installing product software)

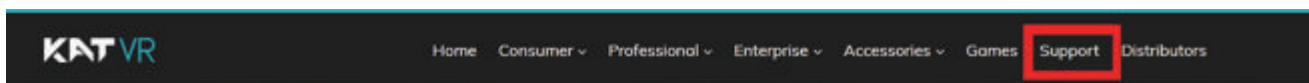
Software: Steam VR (Steam Official Website: <http://store.steampowered.com/>)



For additional information, please refer to the system requirements of your VR HMD.

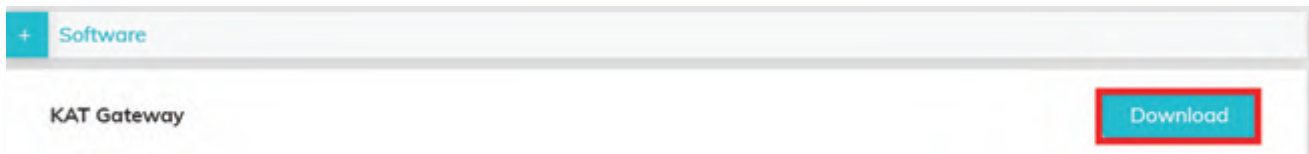
KAT Gateway download

Go to the official website: <https://www.kat-vr.com/>, and click “Support” to proceed to the product list.



Select KAT Walk Coord 2 and proceed to the product resource page

Consumer Products



Download KAT Gateway and install it on your PC

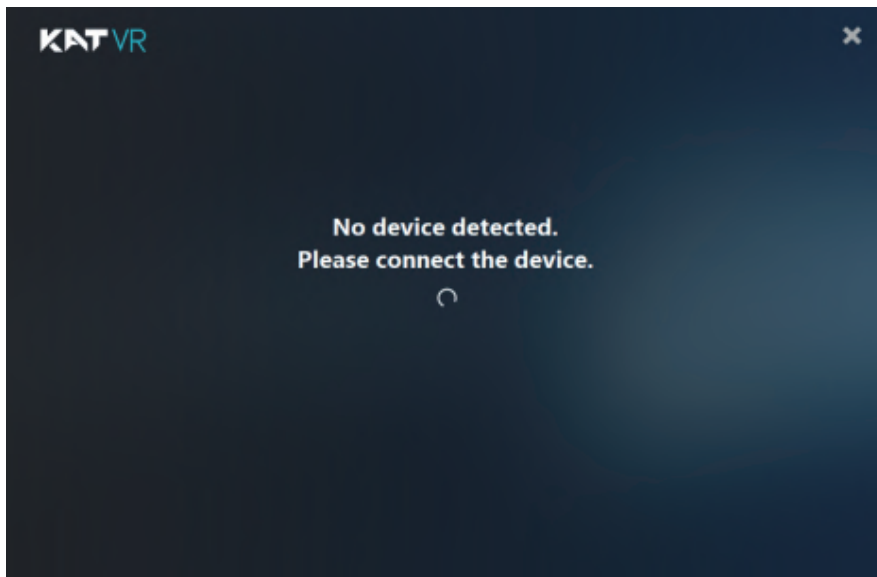


KAT Gateway functions introduction

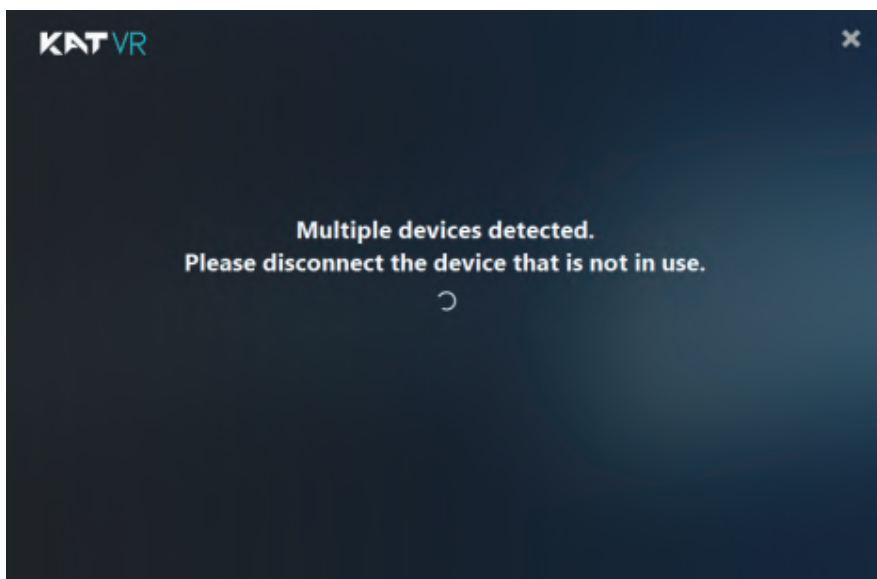
Device Detection:

KAT Gateway will detect all the currently connected KAT Devices but can only run one at a time. If no device or multiple devices are detected, KAT Gateway will inform the user about it and ask to connect only the intended device.

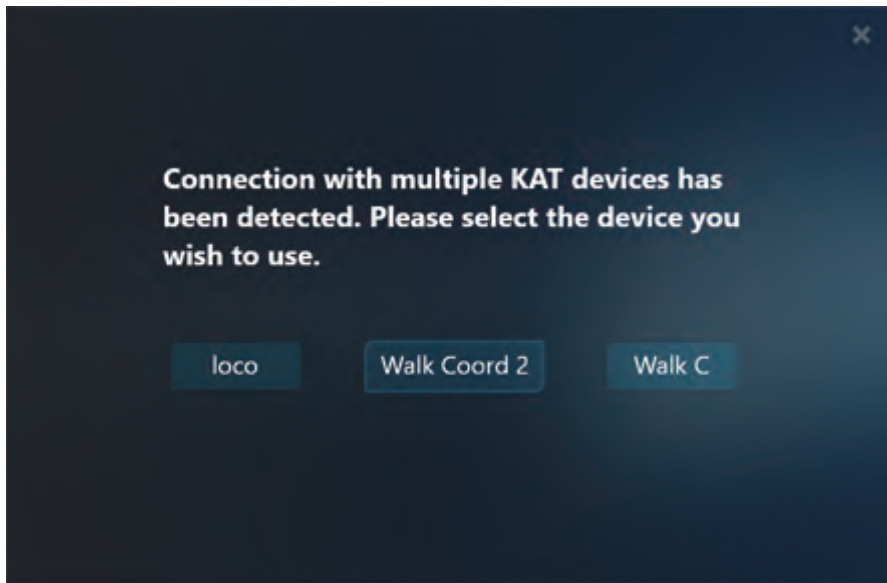
First case - No device detected:



Second case - Multiple devices of the same model detected

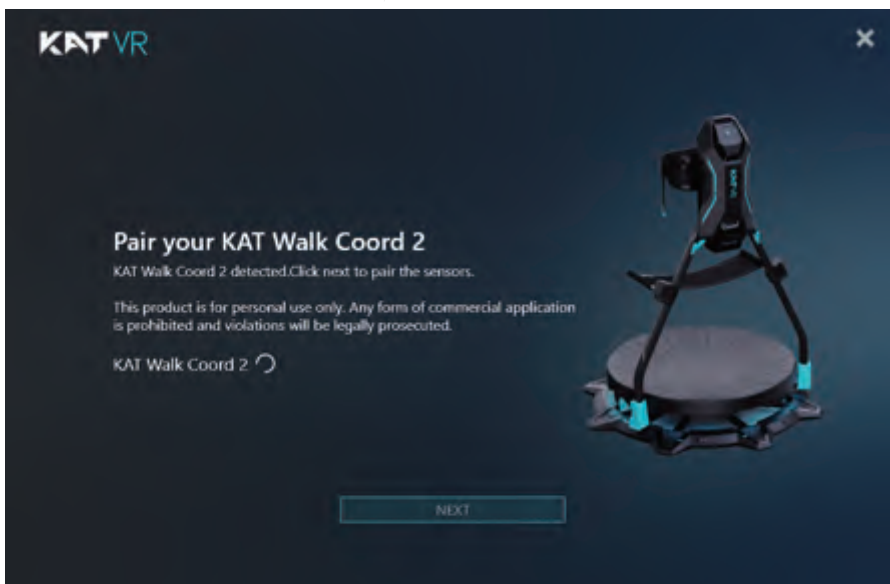


Third case - Multiple devices of the different model detected. Please select the "KAT Walk Coord 2".

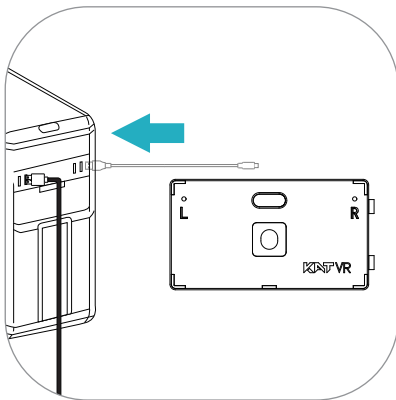
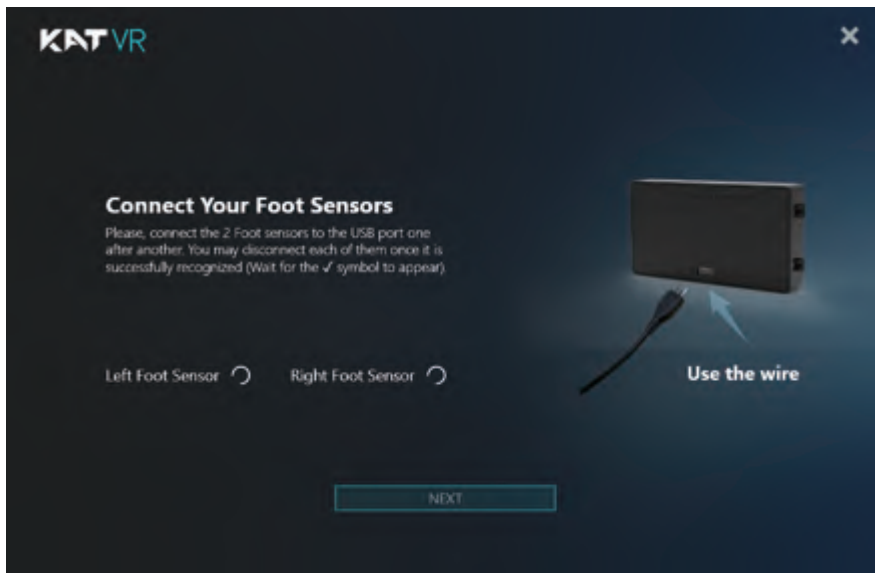


Sensor Pairing

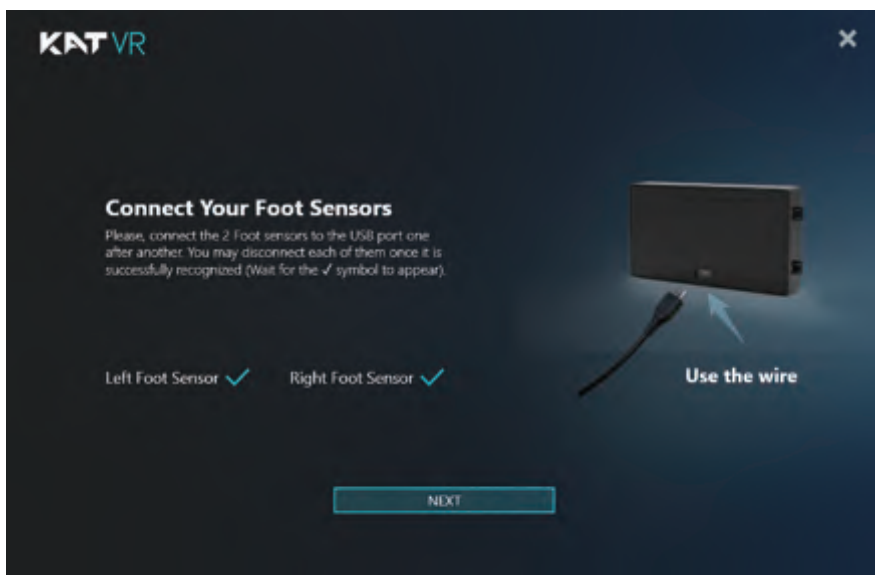
Connect the USB data cable of the KAT Walk Coord 2 to the PC USB port. Once the below window appears, the treadmill pairing is complete.

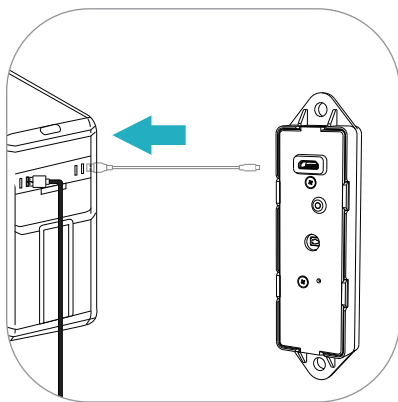
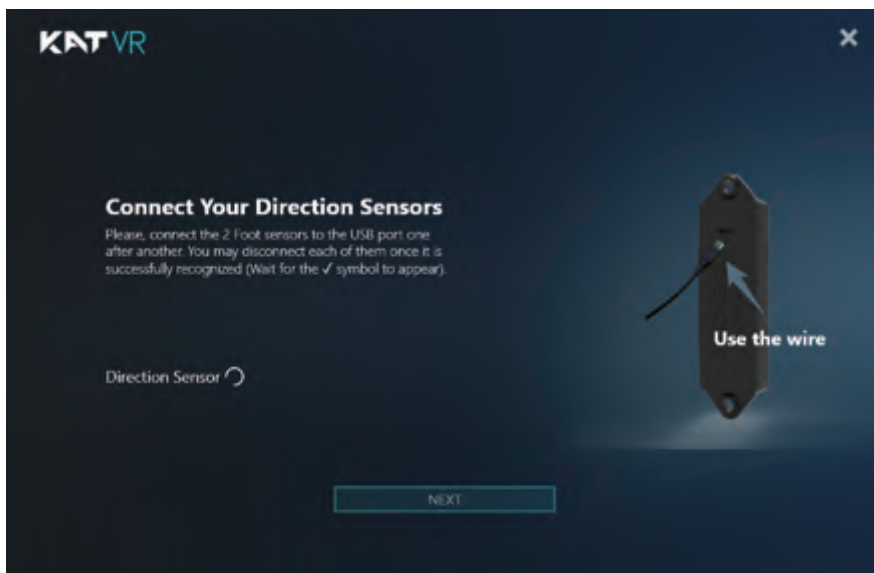


Click "NEXT" and use the micro USB wire from the KAT Walk Coord 2 sensor kit to connect the foot sensors to your PC. Follow the software instructions and click "FINISH" to complete the sensor pairing.

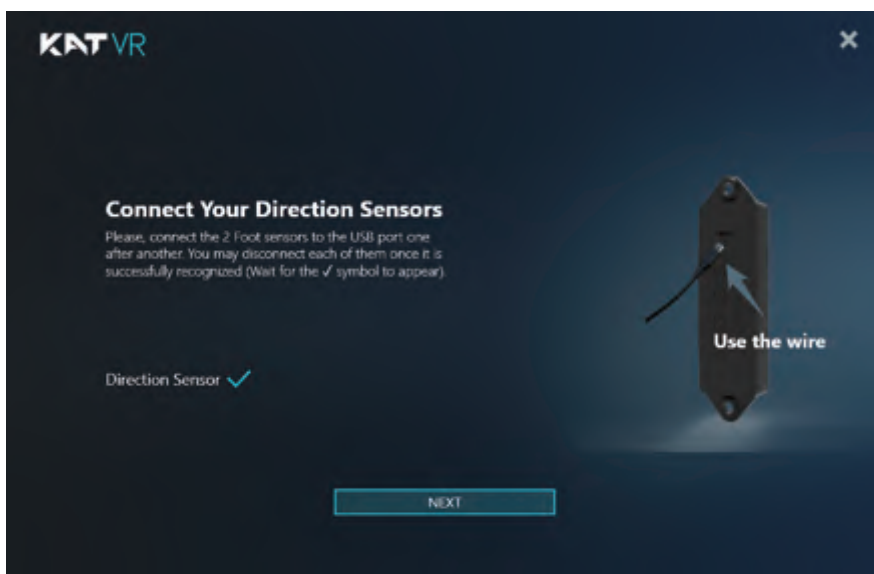


Having connected the KAT Walk Coord 2 to the computer, follow the Gateway instructions. Using the Micro USB cable, connect the sensors one by one to pair them.





Having connected the KAT Walk Coord 2 to the computer, follow the Gateway instructions. Using the Micro USB cable, connect the sensors one by one to pair them.



Device Status

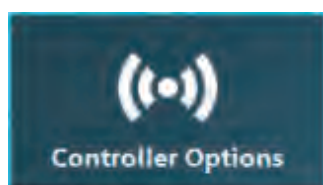
KAT Gateway dashboard once KAT Walk Coord 2 is connected:



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

- Headset direction;
- Connection status and direction of the waist sensors;
- Connection status and direction of the left foot sensor;
- Connection status and direction of the right foot sensor;
- Current locomotion mode.

Controller Options



Click the controller options button in the Gateway homepage to enter the settings:



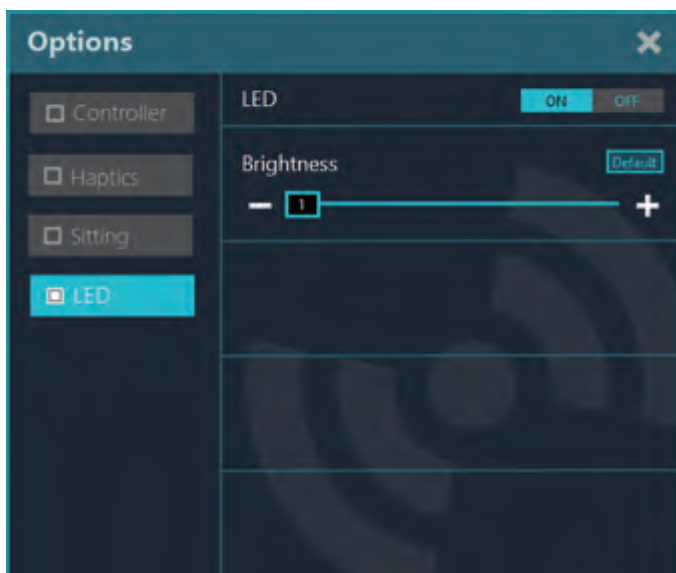
- Adjustment of the mapping speed;
- Adjustment of the walking accuracy;
- Enabling the continuous movement mode.



- Enabling the haptics module vibration;
- Adjustment of vibration intensity and test.



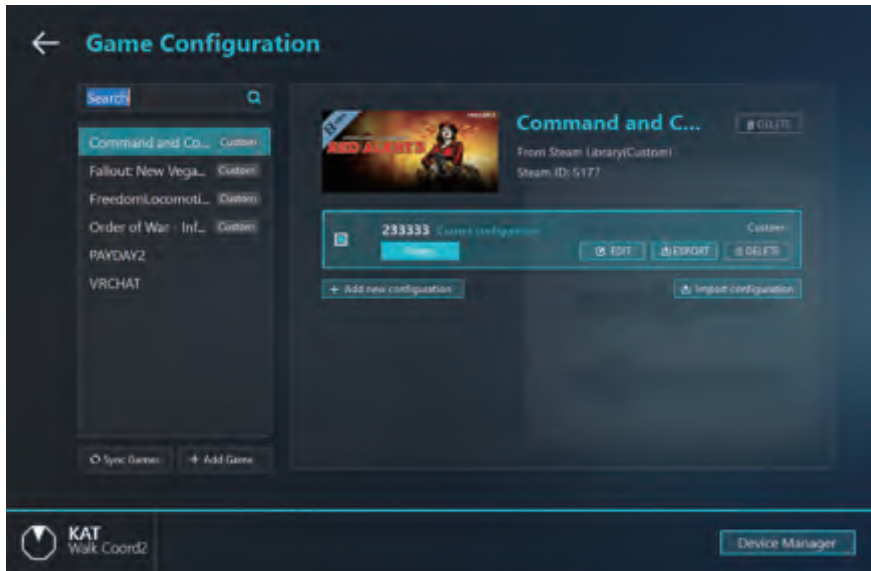
- View the current game;
- Switch between 4 different vehicles;
- Turn the Sit-walking on and off; Adjustment of speed.



- The LED is the brightest by default, you can use the gateway to adjust the brightness or turn it off.
- Adjustment of the LED and LED brightness.

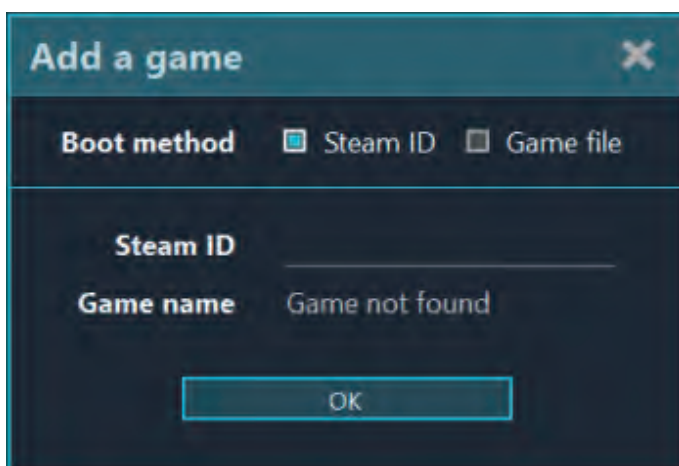
Game Configuration

In the Game Configuration page, you can view the list of supported games including the recommended and manually added ones, as well as check and modify their configuration settings.

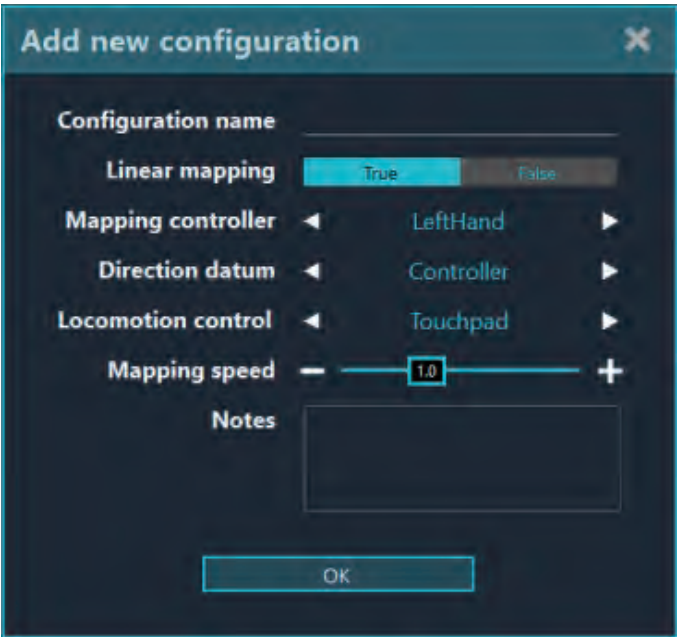


Adding a game:

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



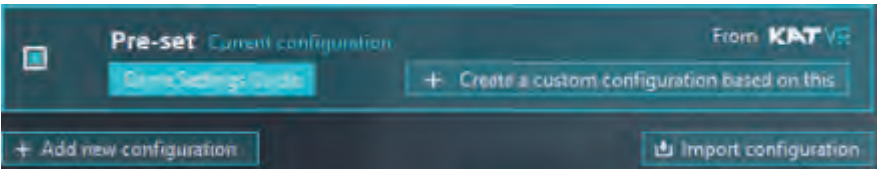
Adding a new configuration (through manual input or by file import):



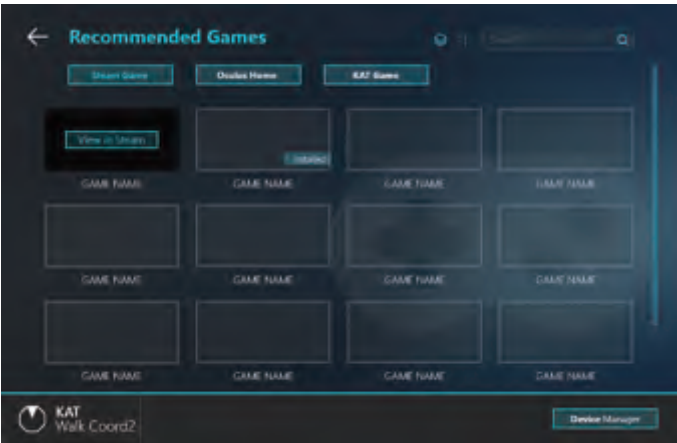
Deleting the game:

View, select or delete the configuration files.

Viewing the game configuration tips of the recommended games:



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.

System

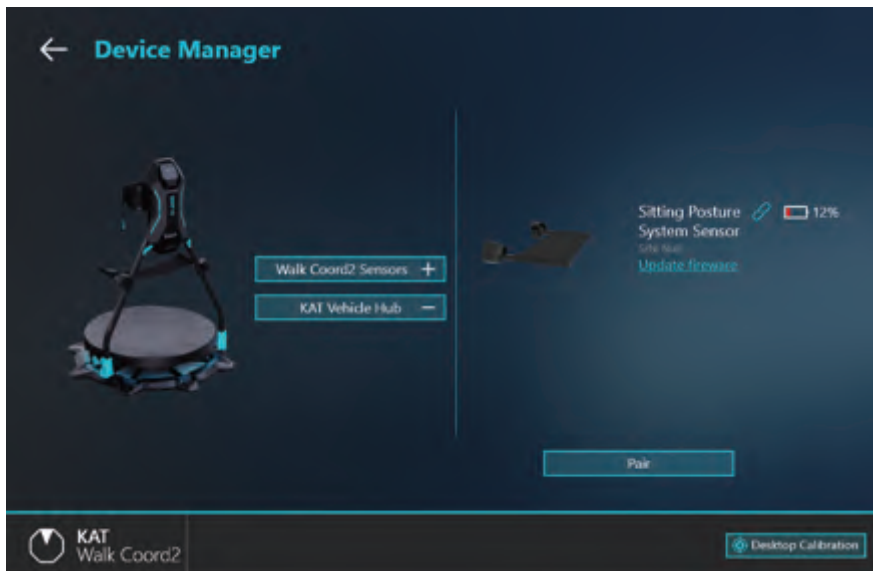


The system settings page shows the currently selected language and the current inSteam driver and KAT Gateway versions. From this page you can exit the software, change the language and reinstall the drivers, as well as set the software auto-start rules:

- Start on boot
- Start upon detecting the connection with the device

Device Manager





The device manager page shows the status of each sensor and the SN of the device. Through this page, you can initiate the sensor pairing process

Direction calibration:

a. First press the System Button on your hand controller to enter KAT Gateway. Select the locomotion mode in KAT Gateway and start the game (More about the modes in the KAT Gateway software introduction below).



b. After starting the game (Make sure that SteamVR works as normal), put on the headset and stand straight with your feet together. Look straight and in the KAT Gateway dashboard, select “Direction Calibration”.



Note: Incorrect calibration may cause movement direction deviation.



c. Sensor parameter adjustment

When in the game, you can adjust a number of KAT Walk Coord 2 parameters such as the movement sensitivity or the special actions (Strafing, Backward, Cruise).



Note: If you experience problems with the walking direction, check if the waist harness is fastened correctly and carry out the direction calibration.

In case of the following situations, or when using the KAT Walk Coord 2 for the first time, you should calibrate the sensor direction to achieve the correct movement direction in VR.

- The KAT Walk Coord 2 has been moved;
- The HMD base stations (if any) have been moved;

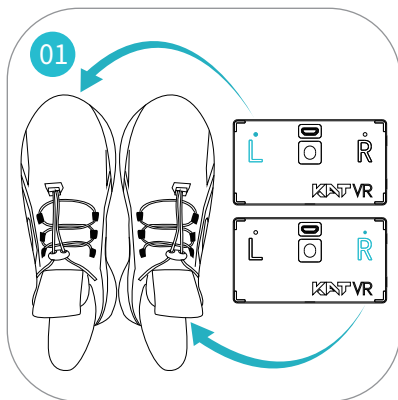
- The Room Settings of the HMD have been modified.

Before calibration, ensure that the room settings of your headset have been successfully set and the sensor initial pairing has been completed.

| First Use of KAT Walk Coord 2

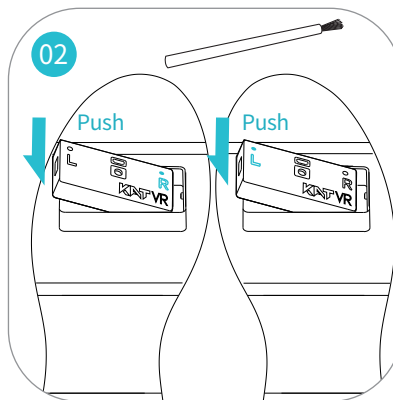
Sensor Installation

The sensors should be mounted on top of the dedicated shoes.

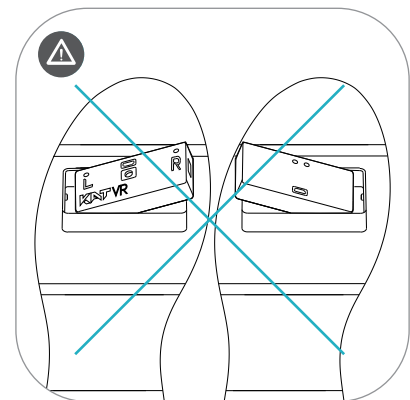


The paired sensor with L light on corresponds with the left shoe and vice versa.

 The dedicated shoes must not be used on any other surface than on the C 2 platform.

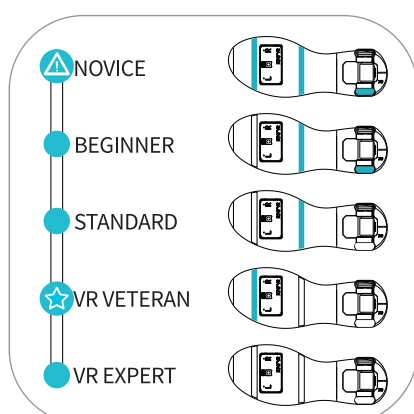


Insert the sensors into the sockets on the sole of the corresponding shoes. Note: Before using the device, ensure the surface of the shoe sensor is clean and free of dust. If needed, use the brush.



The sensors must be installed exactly as shown in the previous step. Incorrect mounting of the sensors will affect the sensors operation.

The friction level Introduction



 Shoe friction is adjustable. When using the device for the first time make sure all the friction Velcro stripes are on the shoe sole (novice level).

 When the friction Velcro stripes are not in use, it can be attached to the hook surface of the waist harness.

Anti-Slip Strap Introduction:

The anti-slip strap is located at the back side of the shoe. When pulled onto the shoe hill, it increases your stability and ensures you can get on and off the platform safely.



Before getting on and off the platform, make sure the anti-slip lock on the shoe sole is enabled.



Once you 're on the platform with the waist harness securely fastened, you can unlock the anti-slip as shown in the picture below. You can now walk on the platform!

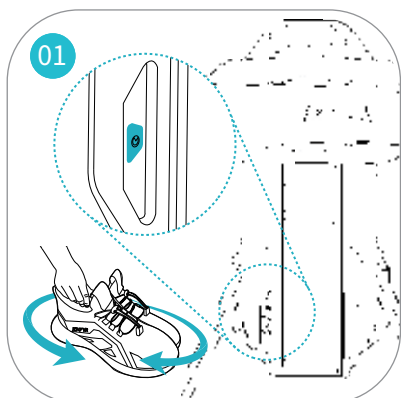


Note 1: The dedicated shoes must not be used on any other surface than on the C 2 platform. for any other purpose.

Note 2: It is expected that due to the friction force, walking and running may cause scratches on the platform surface. It will not influence the normal operation and performance of the device.

Note 3: Before entering the platform , please start SteamVR and select the mode in KAT Gateway.

Entering the Platform:

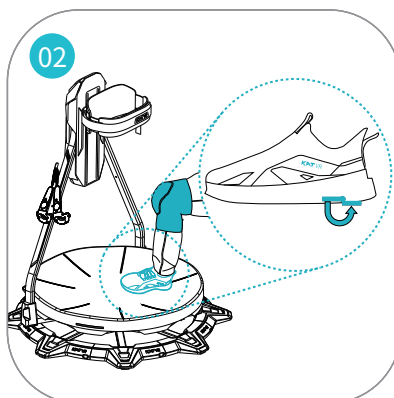


Before getting on or when sensors enter sleep mode (inactive ≥ 30 min), click the main button and shake the shoes. Check the sensor light:

* Flashing: no connection

Constant: successful connection

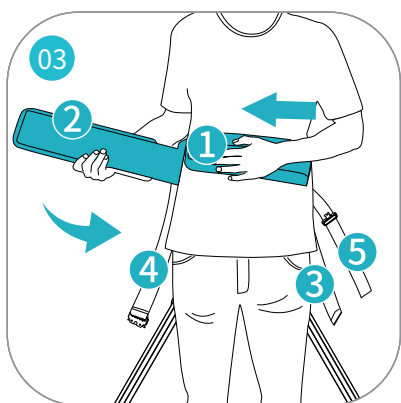
None: sleep mode / no power.



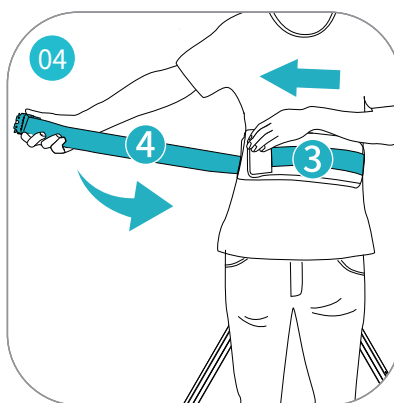
 Hang the HMD and controllers on the storage hooks. Ensure the anti-slip protection lock is enabled and the base surface is clean. Equip a pair of kneepads and step onto the platform.

* supported weight: 130kg (286 lbs.)

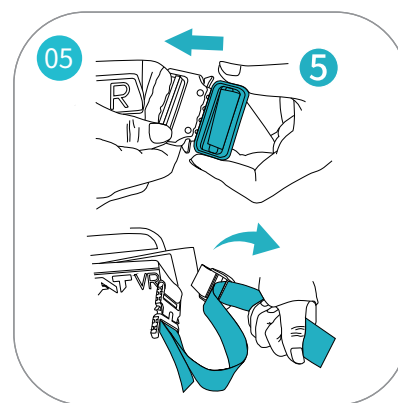
STRAPPING IN:



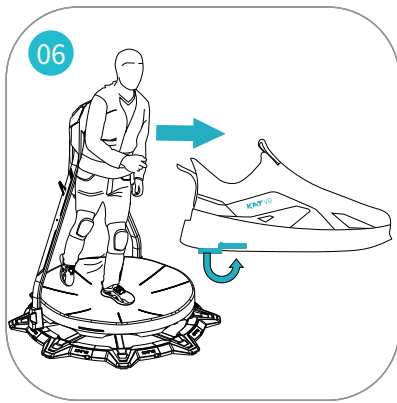
Adjust the waist harness to a position at which the belts closely fit the thinnest part of your waist. Starting with the left one, stretch the inner belts and firmly fasten. Ensure the Velcro is well-aligned.



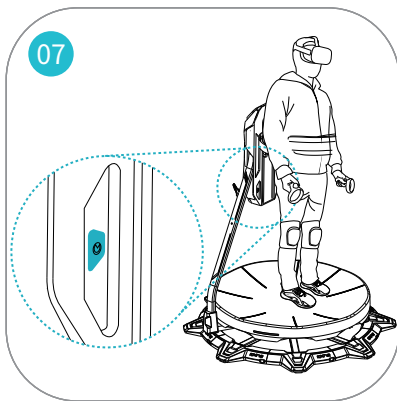
Starting with the left one, stretch the outer belts to tighten the harness, firmly fasten them on your waist making sure the Velcro is well-aligned.



Buckle up and adjust the buckle belt to a comfortable length.



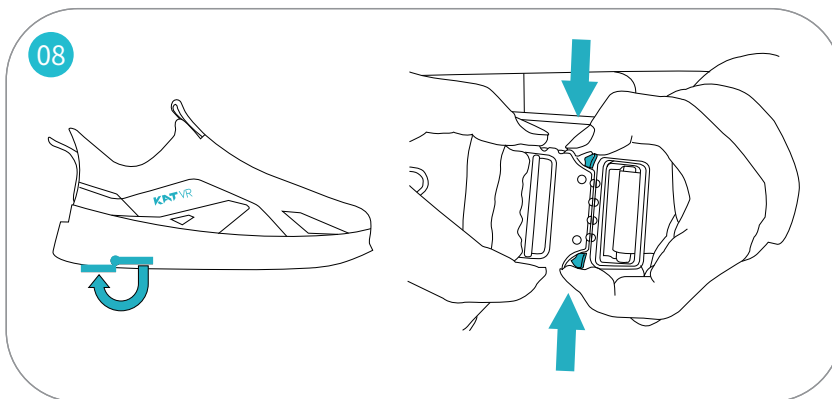
Disable the anti-slip lock. Lean forward a little bit till you start to feel the shoe wheels start rolling. Practice walking for a few minutes until you get used to the simulated gait.



Put on the HMD and calibrate - look forward and reach back to press the main button (repeat at any time If the walking direction is incorrect). Once complete, you're set to go!

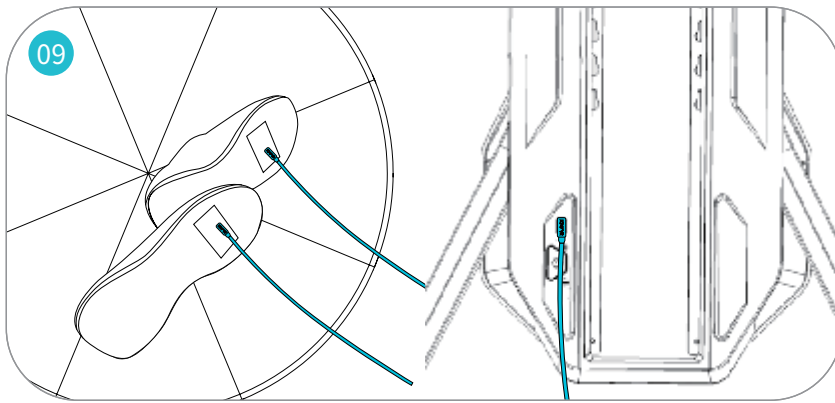
* Calibration can be also carried out in Gateway - Press the System Button on the controller, open Gateway via KAT icon in SteamVR dashboard.

GETTING OFF:



 Before getting off, enable the anti-slip lock. Press the silver buttons on side of the buckle to open it.

Charging:



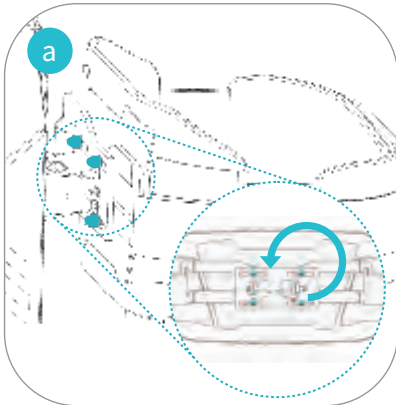
Charge the sensors as shown.

* Flashing Shoe Sensor Light / Dimming

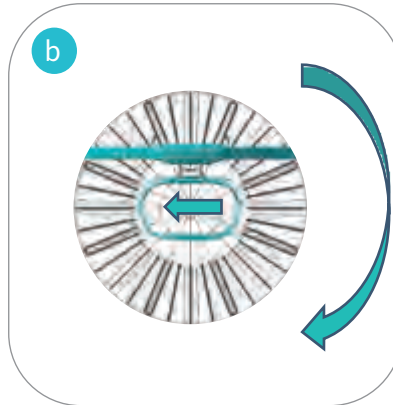
Inner Sensor Light indicates charging.



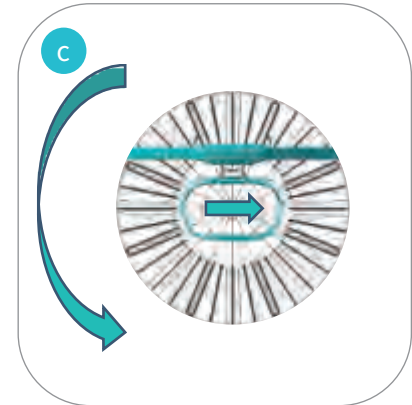
It may occur that the rotational structure gets continuously pulled towards a certain side of the platform due to uneven ground or other reasons. If that happens, please follow the steps below to adjust the device:



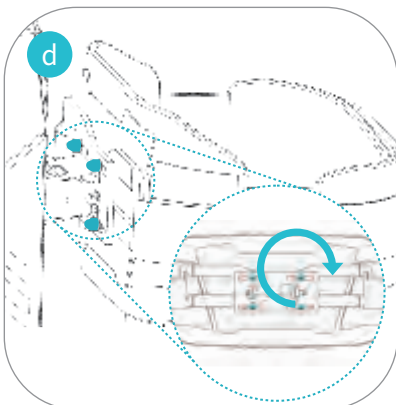
Loosen the nuts holding the waist harness.



If the beam tends to continuously turn clockwise, please move the waist harness slightly to the left.

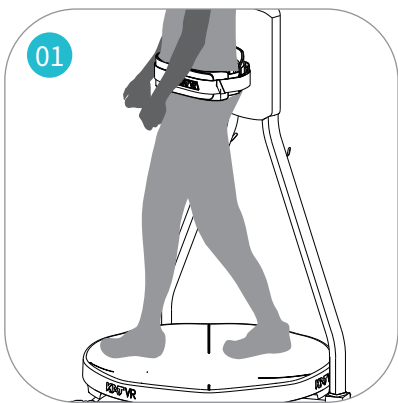


If the beam tends to continuously turn counterclockwise, please move the waist harness slightly to the right.



Tighten the nuts holding the waist harness.

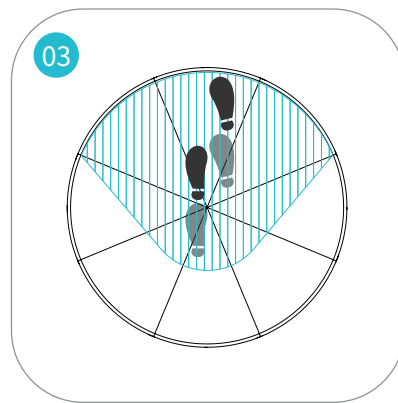
First Steps – How to walk?



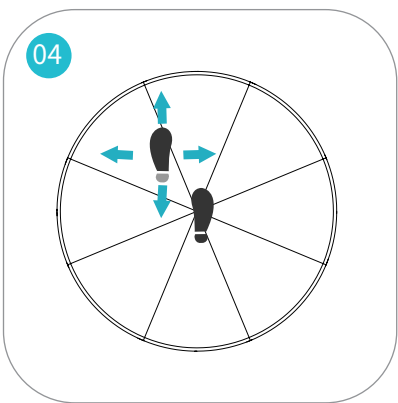
When on the platform, try to take a few slow steps.



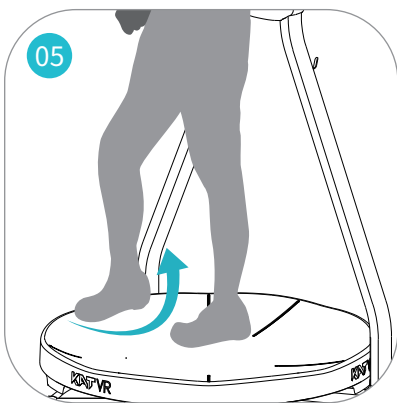
Try to squat.



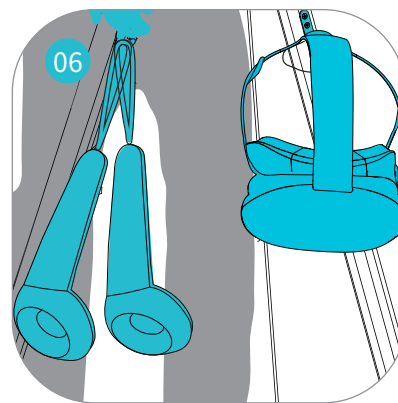
To trigger movement forward in VR, move your feet alternately.



Single-foot micro-operation can achieve subtle movement in the corresponding direction.

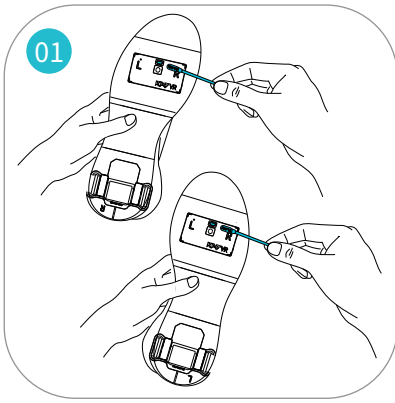


To trigger continuous movement in all directions other than forward, stand still with one foot in the middle of the platform, slide the other foot from the outside of the platform into its middle (starting from direction you wish to move at), and raise it up above the platform. Movement will continue till the moment you step on the platform.

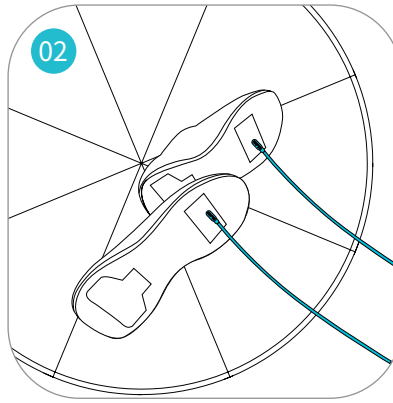


Pick the headset and controllers from the storage hooks at the back of the device.

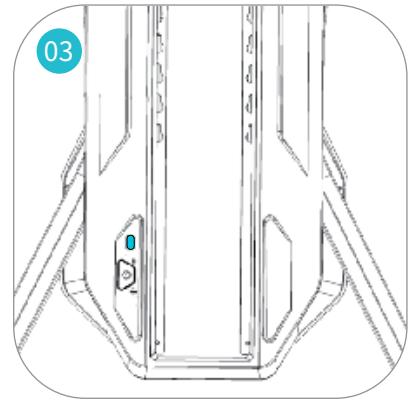
Charge



Charge the shoes sensors as shown in the figure, double flashing means charging.



Put the shoes on the base plate.



Charge the shoes sensors as shown in the figure, breathing light means charging.

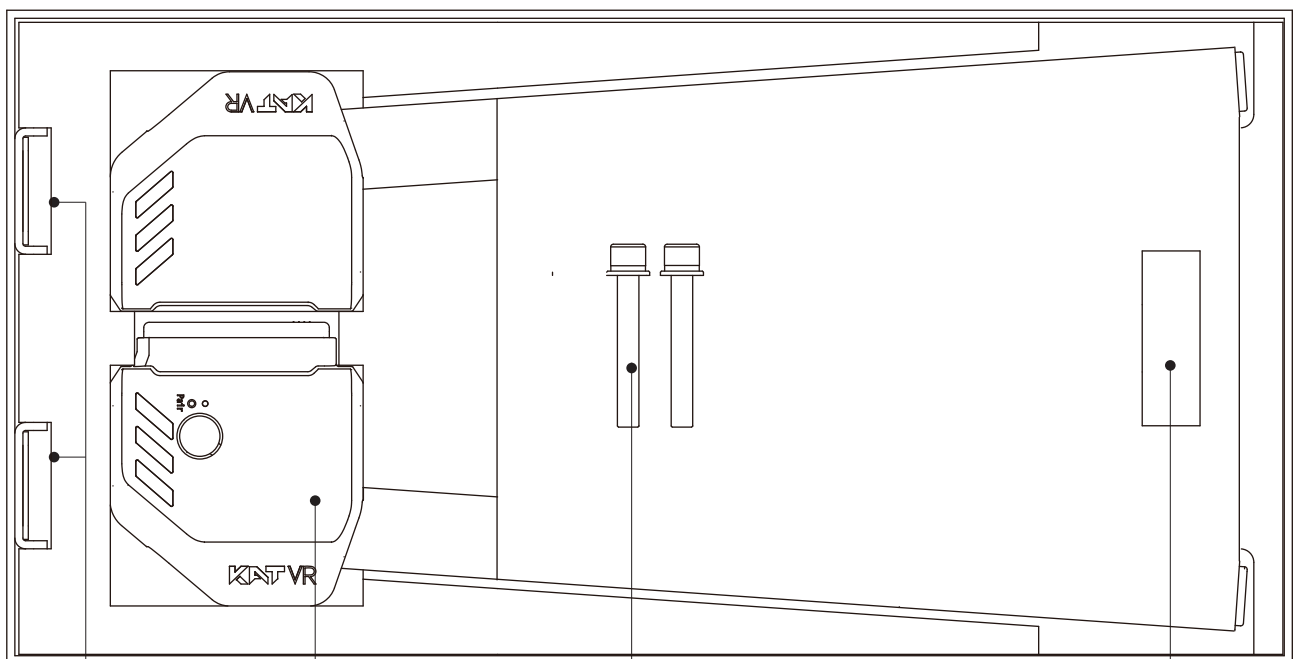


When the charging cable is not in use, pay attention to storage and roll it up to prevent stepping on it.

KAT Vehicle Hub - User Guide



The Vehicle Hub can only be used with KAT Walk Coord 2, and other application is prohibited.



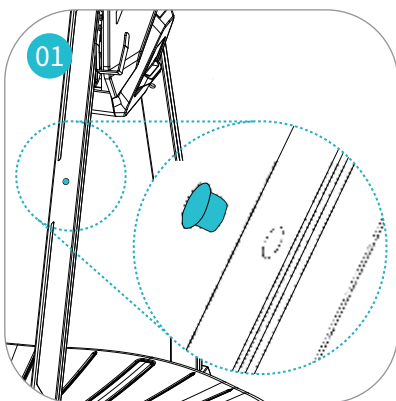
Inner Mounting
Plate

Sitting Posture
System

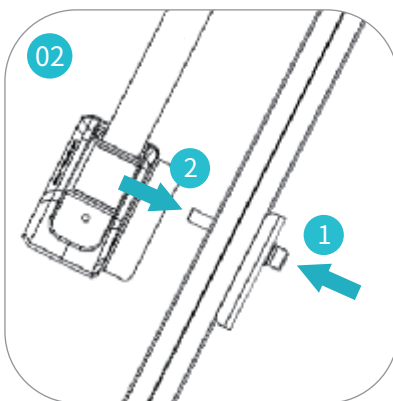
Screws and Gaskets

Receiver

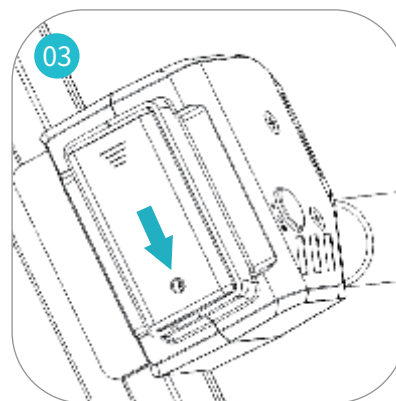
Installation Guide



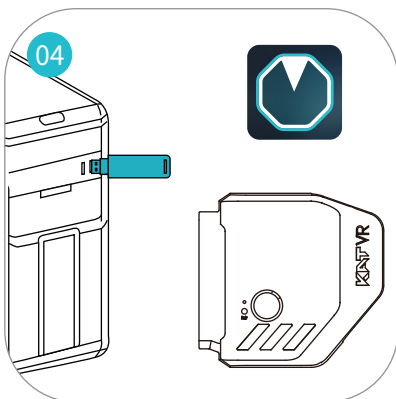
Remove the hole plugs from the supporting rods.



Insert the bolts of the inner mounting plates into the rod holes from inside out. Then, align the openings of the outer mounting with the bolts and tightly fasten with a hexagon key.



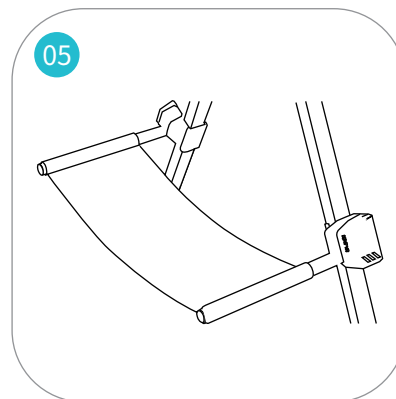
Push the cover down to open it and install the AA battery.



Take out the receiver and plug it into the computer. Pair the sensor (follow the instructions in KAT Gateway).

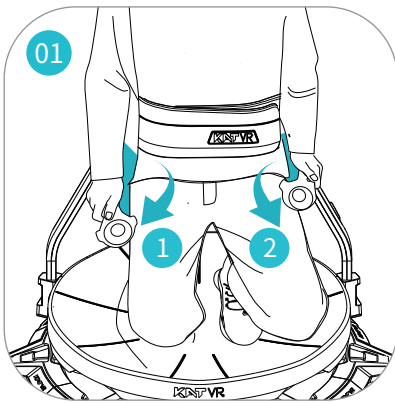


Pairing Button: Press the button for 3 seconds to complete the pairing. indicator light: Blinking light - pairing. Continuous light - pairing completed.

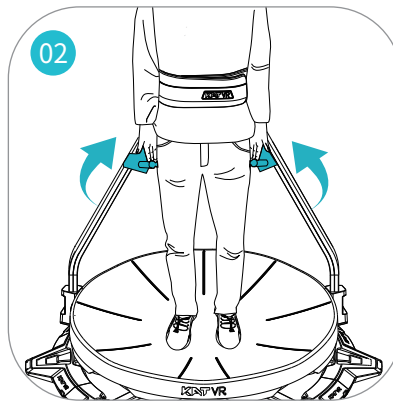


The installation is complete and can be pulled down as shown in the figure. Note: The cushion material is fabric, it is normal to deform during use.

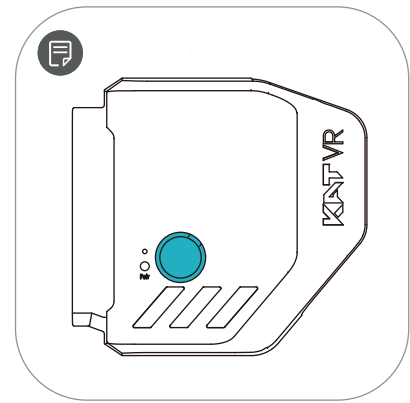
User Guide



Grab the seat-rods and pull them down to unfold the seat module.



It automatically retracts when you stand up.



The Vehicle Hub is off by default. Long-press the module button for 1.2s to turn on and off. Click to quickly switch between 4 types of vehicles: Auto / Mount / Aircraft / Heavy Vehicle

| Disassembly & Maintenance

Component Maintenance:

Before use, please check whether the surface of the laser head of the foot sensor is smooth and clean. If there is any foreign matter, please clean it, otherwise it will affect the use effect of the sensor.

Disassembly procedure:

If you need to move your KAT Walk Coord 2 to another location, you should carry out the device disassembly in the reverse order to the device installation procedure, that is, starting from pulling out the USB cable from your PC, through removing the waist harness and the back support plate to taking out the supporting rods in order to ensure that the structure and components are not damaged during transportation.

After the disassembly, place the components into the original package and use the original materials to secure it for safe transportation. Ensure sufficient labor help to avoid injuries when moving the box, and select a reliable logistics company to transport the device.

Component Maintenance:

1. Before use, always ensure that the platform is wiped clean and free of any objects, substances or dust. Scratches on the platform surface are a natural result of wear and tear and will not influence the operation of the device.
2. Before use, always ensure that the soles of the dedicated shoes are clean and free of any substances or dust.
3. The use of the product may generate a little bit of static electricity. You can eliminate it by touching the main components with the static eliminator.
4. Before use, always check the state of the device. Ensure there are no loose elements and all the screws are tightened. Weekly check the state of components which are prone to wear and tear over longer periods of use, such as the waist harness. If any component needs replacement, contact us at service@katvr.com.



Do not use strong cleaners or abrasives to avoid unnecessary wear and tear or even damage to the product. Before use, make sure that the equipment is completely dry.



In order to avoid damage to the surface or hidden safety hazards, it is strictly forbidden to apply any chemical agents or other liquids with the exception of the maintenance oil that comes with the device.

Contact Information

- Company: Hangzhou Virtual and Reality Technology Co., Ltd
- Add: China, Zhejiang Province, Yuhang district of Hangzhou. Wen Yi Xi Lu,1818-2 China Artificial Intelligence Town, Building 6, 9th floor.
- Postal code: 311100
- Email: service@katvr.com
- Web: www.kat-vr.com/

