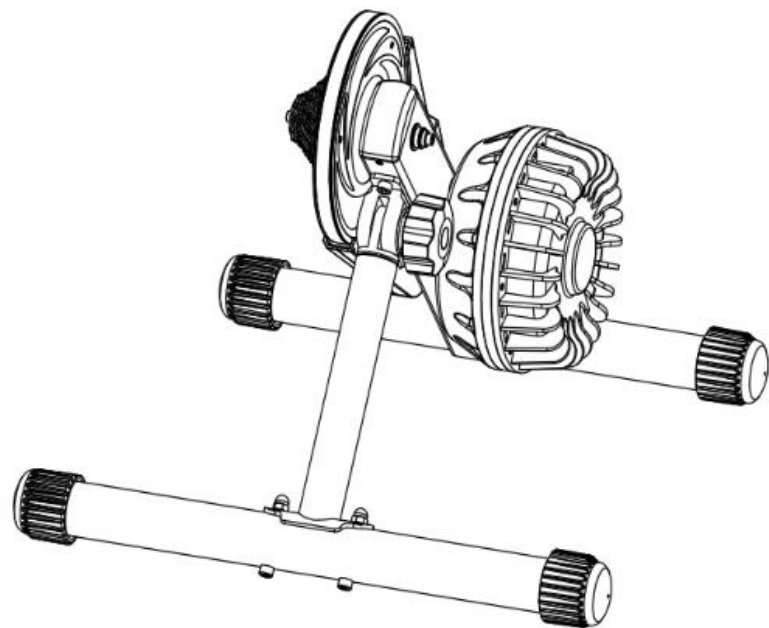


User Instructions

Item: Power Module

Model number: TY-ZQ001



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FCC Statement

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the

instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help

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.

Radiation Exposure Statement

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Warning

Thank you for purchasing UNISKY Direct-Drive Fluid Resistance Bike Trainer. Please read this instruction carefully before use and follow the instruction for installation, operation, and use to ensure that your bike runs well and is not damaged while preventing and avoiding unnecessary accidents and injuries.

- Before use, please carefully check that the bottom anchor bolt of this product is fixed, and the gears of the adjusting knob on the movable support are firmly engaged.
- Before use, please make sure that the product has been placed on the solid ground smoothly. Four foot-pads on the bottom touch the ground at the same time to ensure that the product is stable and not shaking.
- Before starting training, please be sure to confirm your health status. It is recommended that you consult your doctor to see if you can do a bike exercise.
- If you feel unwell during use (physically tired, weakness, pain, chest tightness, discomfort or abnormal pulse beating, etc.), please stop using immediately and take a rest. If there is persistently discomfort, you are advised to seek medical treatment immediately.
- In the absence of supervision or guidance, persons with physical, sensory, or mental disabilities (including children) or who lack relevant experience or knowledge may not use this product.
- Do not let children use this product as a toy without supervision to avoid danger or injury.
- Please take care of whether your clothes are too long. It should be avoided that accessories on clothes affect cycling, to avoid danger.
- Please keep enough space around when using this product, ensuring that there are no obstacles, children, pets, or any potentially

dangerous goods (furniture, tables, chairs, etc.) around, to avoid accidents caused by inadvertent contact with the bike and moving parts on the bike trainer.

- Please be careful when standing on this product and cycling. Do not shake the bike while standing on it, to avoid falling or damage to the bike.
- Do not disassemble or refit this product by yourself.
- Please use original accessories. If the product fails, please contact UNISKY authorized distributor for handling.
- * During the use of this product, please keep your body in balance and do not shake the bike violently.
- * Before starting the exercise, consult your physician and warm up properly.

Disclaimer

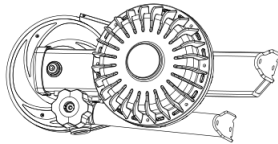


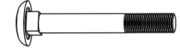





○ UNISKY is not responsible for any malfunction of third-party vendors' software/applications/devices and is not liable for any damage to the bike trainer caused by any software not developed or recommended by UNISKY.







○ Users shall read the instructions carefully before using this product, fully follow the installation steps, installation methods, and inspection requirements to install and inspect the product and use the product by the warning requirements. UNISKY is not liable for temporary or permanent physical damage (direct or indirect) or property damage caused by the user's use of the product in violation of the warning.

Product Specifications

Maximum Power	1128w (60Km/h)
Maximum Expansion Size (for 20" bike)	715 (length) *570 (width) *355 (height) mm
Minimum Storage Size	300 (length) *570 (width) *522 (height) mm
Net Weight	16.4Kg
Inertia Wheel Weight	5.7Kg
Damper Type	Liquid resistance damper, stepless adjustment
Biker's Weight Limitation	≤ 130 Kg (bike weight included)
Adaptable Bike Type	20", 22", "24", 26", 700C, 28", 29"
Adaptable Bike Frame	130/135 Quick-dismantling bike frame
Adaptable Free Wheel	SHIMANO/SRAM hub flywheel with the speed of 8/9/10/11
Noise Level	≤65db (A weighting, 1.5m, 30Km/h)
Shell Temperature	≤60℃ (environment temperature 25℃, operating for 10min with the speed of 40 Km/h)
Power Module	Analog parameters, optional
Wireless Communication	ANT+, Bluetooth
Adoptable Third-Party Cycling Platform	Zwift, Viscene, Onelap, UHfitness, Strava
Adoptable Intelligent Devices	Computer, tablet computer, mobile phone, ANT+ stopwatch
FE-C FE-C Prototype	Unsupported

Spare Parts List

Component No.	Name	Quantity	Graphic
A	Main Body of the Bike Trainer	1	
B	Base Pipe 1	1	
C	Base Pipe 2	1	
D	M8*65 Bolt M8*65	4	
E	Nut M8	4	
F	Flat Washer φ8	4	
G	Left Axle	1	
H	Bike Frame Transfer Spacer Sleeve	1	
I	Adjusting Shim of the Free Wheel	1	

J	Open-Ended Wrench 12-14	1	
K	Hexagon wrench CRV-5	1	
L	Hexagon wrench CRV-4	1	
M	ANT+ Receiver	1	
N	Power module	1	
O	Front Wheel Stand	1	

Installation Instructions

Step 1. Bike Confirmation

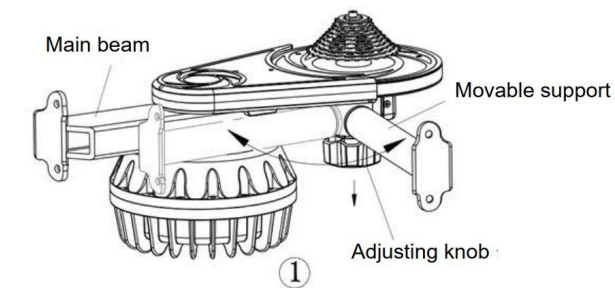
Before using the bike trainer, please confirm the specifications and back hub type of the bike, and prepare the flywheel that matches the bike.

Step 2. Bike Trainer Assembly

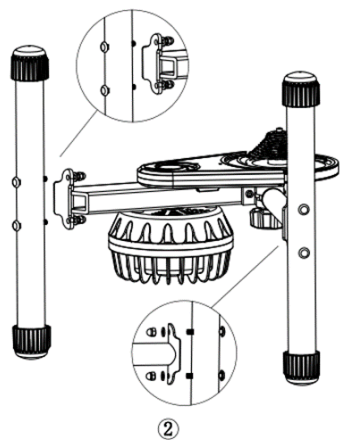
2-1 Open the box and check all parts and quantities according to the spare parts list.

2-2 Installation of the base pipe

① As shown in Figure 1, the main body of the bike trainer is flat on the working table, pull down the adjusting knob, turn the movable support to a certain angle, and slightly swing the movable support from side to side, the gears inside the adjusting knob are firmly engaged with a sound of click.



② Foot pipe determining: 1. The color of base pipe 2 and Foot pipe 1 shall be the same as that of the main beam, the color of the base pipe 2 shall be the same as that of the movable support. As shown in Figure 2, two bolts pass through the fixed square hole on the base pipe 1 at the same time, and the square neck on the bolt is completely fitted in the fixed square hole on the base pipe 1. Press the cup head of the bolt with your hand, and pierce it into the installation hole of the main beam. Place one flat shim on each of the two bolt heads, screw up the nut with an open-ended wrench. In the same way, fix the base pipe 2 on the movable support.



Attention: The nuts connecting the base pipe 1 with the main beam and the base pipe 2 with the movable support must be fastened firmly!

Step 3. Bike Trainer Leveling

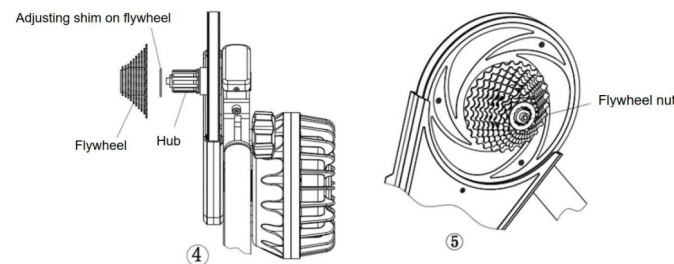
After installing the base pipe, as shown in Figure 3, the bike trainer is placed on solid flat ground. It is leveled by rotating the base sleeve on the base pipe so that the four base sleeves touch the ground completely at the same time, and the bike trainer would not shake.

Attention: Before use, the bike trainer must be leveled to avoid accidental injury caused by shaking of the bike trainer.

Step 4. Hub Parts Assembly

4-1 Free Wheel Installation

The bike trainer is compatible with SHIMANO/SRAM card type flywheel with the speed of 8/9/10/11. As shown in Figure 4, if you use the 8/9/10-speed flywheel, a shim must be put on the hub before the flywheel is fitted. If you use an 11-speed flywheel, the flywheel can directly fit without installing the adjusting shim. After the flywheel is fitted, as shown in Figure 5, screw the flywheel nut, and fasten the nut with a special wrench for flywheel assembly.



4-2 Installation of Fixing Joint of Quick Release

The bike trainer is compatible with bike frame conversion of with the back fork width of 130/135, as shown in Figure 6. If using a 135 bike frame, the bike frame conversion sleeve shall be firstly put in the left

fixing joint of the quick release, then insert it into the main beam axle hole. If using 130 bike frame, the left fixing joint of the quick release can be directly inserted into the main beam axle hole without installing the bike frame conversion sleeve.

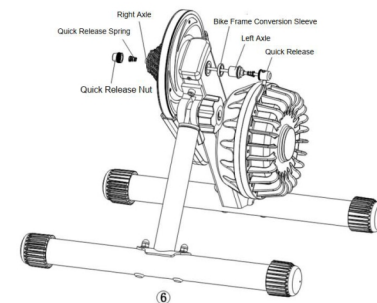
4-3 Quick Release Installation

The bike trainer is suitable for 5mm quick release. You can use the quick release of the back wheel of your bike or equip it separately (this product is not equipped with this accessory).

1) First remove the nut and one-side spring at the end of the quick release, and the other spring is left on the quick release.

2) In the direction shown in Fig. 6, the quick release is penetrated the left axle hole, and the other end is penetrated through the right axle (fixed on the bike trainer).

3) As shown in Figure 6, reinstall the spring and nut removed before to keep the quick release loose to install the bike.



Attention: While installing the quick release, the conical spring head of the quick release must be inward (facing the bike body)!

Step 5. Bike Installation

5-1 Firstly, confirm that the specifications of the rear wheel hub of the bike match the hub configuration of the bike trainer.

5-2 Adjust the gear of the bike to disassemble the rear wheel. Suggested chain position: the front derailleur is on the chain wheel, the rear derailleur is on the smallest free wheel tooth plate. Loosen the rear wheel quick release and remove the rear wheel.

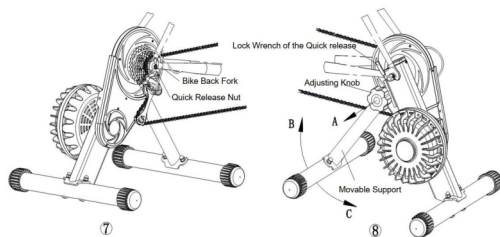
Tip: If there is no quick release for the bike trainer, the quick release on the rear wheel can be disassembled and utilized.

5-3 Install the bike on the bike trainer: the chain at the rear derailleur of the bike hangs on the smallest tooth plate of the free wheel of the bike, the back fork of the bike is placed lightly on the left and right axles of the bike trainer that supports the quick release. After confirming alignment, press down the bike. The back fork of the bike is supported on the left and right axles of the bike trainer. To ensure that the back fork of the bike is fully supported on the bike trainer, the front wheel of the bike can be lifted off the ground and swing gently, and then put it down.

5-4 Fix the Quick Release: One hand rotates the nut at the end of the quick release, the other hand presses the locking wrench of the quick release. As the pressure is appropriate, press the locking wrench of the quick release to the fully locked position. (If the locking wrench of the quick release cannot be pressed down, please first unscrew the nut at the end of the quick release, then install and fix it according to the above method.)

5-5 Test Run: After the bike is installed, don't rush to get on the bike for operation. Be sure to rotate the crank at a slow speed to drive the chain for trial operation and check for abnormal conditions. When running, if there are other abnormal noises besides chain driving sound, this means the bike is installed incorrectly. Please reinstall the bike according to the above method.

5-6 Position Adjustment of Bike: The bicycle platform is compatible with bikes of various specifications such as 20" , 24" , 26" , 700C, 28" and 29" . Because of the different wheel diameters of each type of bike, there will be position differences. It is necessary to adjust the opening angle of the movable support of the bike trainer to adjust the position of the bike according to your riding habits. Specific operation: Pull out and hold the adjusting knob (arrow A direction), rotate the movable support back and forth (arrow B, C direction). After the movable support reaches the appropriate angle, release the finger that holds the adjusting knob and swing the movable support back and forth slightly. The gears inside the adjusting knob are engaged with the sound of the click. At the same time, check that the gear at the adjusting knob is not exposed, indicating that the movable support has been firmly locked.



Attention

- If you are not familiar with the correct operation of bike rear wheel disassembly, please consult the bike shop nearby or read your bike instruction.

- If you fail to grasp the correct operation of bike installation on the bike trainer, please consult the professional bike maintenance personnel nearby or contact UNISKY dealer directly.

- Before getting on the bike, please make sure that your bike is properly installed. Otherwise, the bike may fall from the bike trainer because of infirm fixing, resulting in accidental injury and property loss.

- Before getting on the bike, please make sure that the movable support of the bike trainer has been firmly locked. Otherwise, the bike trainer may fall because of the infirm lock of the movable support, resulting in accidental injury and property loss.

- When installing the bike on the bike trainer, a false installation method may damage the painting of the bike. It is recommended that you do proper protection on the frame of your bike before installation to avoid damage to the bike.

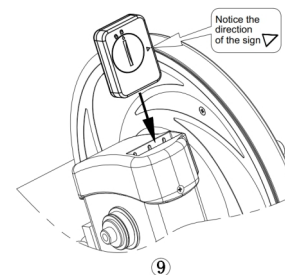
Smart Training

1 Bike Trainer Pairing

This product can be installed with power module to simulate the real line riding or view the riding data (as shown in Figure 9). This product supports ANT + and Bluetooth wireless communication protocol, and can be connected to third-party riding software or ant + stopwatch with smart devices such as computer, mobile phone or

tablet. If you want to connect to the bike trainer on computer, you need to install the power module and plug the ANT + receiver into the USB port of the computer.

Installation Diagram:



Due to different manufacturers, the operation of the third-party riding software or ant + stopwatch is slightly different. According to the operation instructions of each software, they shall be paired and connected with the bike trainer first, and the subsequent operation shall be carried out after the connection is confirmed.

This product supports pairing with the following third-party riding software: Zwift、Viscene、Onelap、UHfitness、Strava

Tip: When pairing, if you can't detect the bike trainer immediately, you can turn the pulley of the bike trainer. As the power module in the bike trainer is activated after being induced by the magnetic field, then you can detect the equipment of the bike trainer after a moment.

2 Third-Party Software Configuration (Taking the Zwift as an Example)

2-1. Download the Zwift software from the website: www.zwift.com

2-2. Connection preparation

Connect the bike trainer to power, insert ANT+ USB disk into computer SUB port to receive the data between the trainer and computer.

2-3. Click the downloaded APP Zwift, and enter in.

Register it if you are new for the APP, after this, login.

Or you could login directly if you have already had an ID.

2-4. Connect the trainer and the Zwift software.

Click the controllable one to connect the trainer.

2-5. Choose the training type and riding route.

As it is connected successfully, you can choose the training type and route as what you like, and then, please click RIDE to start the riding training.

2-6. Riding data.

You can find your riding data and riding condition when you are training, and the ones all over the world who using the riding app at the same time with you together. If you want to watch someone riding details, just click his/her name.

2-7. End riding.

Click the MENU to check your riding data summary, and choose if you want to end the riding.

2-8. Save or discard the riding data.

When you end the riding, there is choice come out, you can choose save or discard the data.

Attention:

You will get 25km free route for your start. Then, please pay for the training and route on the Zwift according to its requirement.

Care and Maintenance

1 Care

1-1 The product can be folded for storage. Operation method: pull outward and hold the adjusting knob, rotate the movable support until it is perpendicular to the ground; release the finger holding the adjusting knob, swing the movable support back and forth slightly; the internal gears of the adjusting knob will be in place with a click while checking that the gear at the adjusting knob is not exposed, then the movable support is completely locked.

Attention: the angle where the movable support is perpendicular to the ground is a limiting position. If the movable support is behind the limiting position, it is easy to cause the bike trainer to topple because of instability, resulting in accidental injury and property loss.

1-2 The product shall be stored in a clean and dry indoor environment, avoiding direct sunlight, away from fire and water sources, or other dangerous goods.

1-3 When cleaning this product, just wipe it with a clean cloth. Do not use detergent, cleaning powder, or other chemical solvents to clean it so as not to damage the paint on the surface of the bike trainer.

2 Maintenance

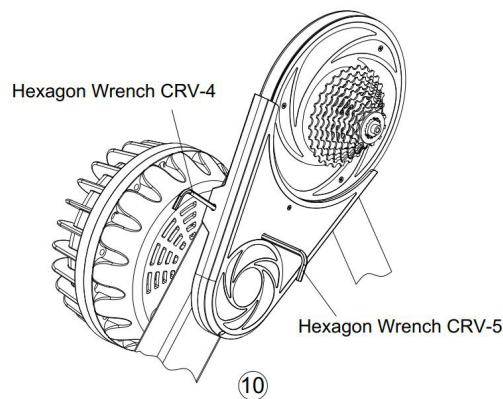
2-1 Pulley Tensioning Adjustment

The manufacturer has adjusted the pulley tension when the product leaves the factory. After using the product for some time, the pulley tension will be insufficient, causing it to slip (it's performance: when stepping on the pedal, the person may feel different strength). At this time, it is necessary to adjust the pulley tension. The specific

methods are as follows:

1) As shown in Figure 9, insert the hexagon wrench CRV-5 (bigger one) into the side adjusting hole, gently rotate the wrench so that the wrench is fully matched with the inner hexagonal hole of the internal screw. Turn the wrench half-circle counterclockwise until the internal screw is loose.

2) As shown in Figure 9, insert the hexagon wrench CRV-4 (smaller one) into the upper adjusting hole, gently rotate the wrench so that the wrench is fully matched with the inner hexagonal hole of the internal screw. Turn the wrench half-circle clockwise until the internal screw is loose.



3) Turn the hexagon wrench CRV-5 (bigger one) half-circle clockwise until the internal screw is firmly locked.

4) Test: step on the pedal of the bike installed on the bike trainer; there shall be no feeling of different strength.

2-2 Replace the Batteries of the Power Module or Power Module

After using the product for some time, when pairing with the third-party riding software, the riding equipment may not be detected even when rotating the pulley. It is generally because the battery in the power module of the bike trainer is dead. At this time, the battery in the power module needs to be replaced. Refer to UNISKY videos for the battery replacement method. If the riding equipment can not be detected after battery replacement, the replacement of the whole power module should be considered.

Tip: Power Module Battery Model CR2032

FAQ

When an exception occurs, please check and resolve it according to the table below.

Exception	Inspection and Solution
Uneven and shaking positioning of the bike trainer	<ul style="list-style-type: none"> The ground is uneven, or the bike trainer leveling operation is not carried out according to the instructions. Level the bike trainer according to step 3.
Uneven position of the bike	<ul style="list-style-type: none"> Adjust the position of the bike according to method 5-6

The movable support wasn't locked firmly	<ul style="list-style-type: none"> The gears on the adjusting knob are not fully engaged. Readjust the gears according to method 5-6.
The bike trainer cannot pair with the smart device	<ul style="list-style-type: none"> Check whether the smart device is in the start-up state Check the wireless communication connection: whether the ANT+ is connected to your computer or tablet. If you use Bluetooth connection, please confirm that the Bluetooth function has been opened. Rotate the pulley and hold a minute Replace the batteries of the power module Replace the power batteries
Excessive vibration of car body during use	<ul style="list-style-type: none"> Check whether the bike is installed correctly according to the instructions Check whether the flywheel is fully locked
Noises other than the chain drive occur during use	<ul style="list-style-type: none"> Check whether the bike is installed correctly. If not, reinstall bicycles according to step 5. If the abnormal sound is still not ruled out, please consult the bike maintenance professionals nearby for assistance.

Attention:

If the abnormal phenomena are still unavoidable, please contact the UNISKY authorized distributor for assistance. Do not disassemble this product by yourself, which may cause product damage and affect after-sales service!

Your feedback

We would like your feedback to improve our products

What is your opinion of this item?

Please select your feedback category below.

Something is not quite right

Suggestion

Compliment

Please leave your feedback below

Upload your feedback to our website: www.uniskyglobal.com