

# Freego Scooter

Model UV04(A/D)

**INSTRUCTION MANUAL**

**Freego**

### CAUTIONS

1. PLEASE READ THE INSTRUCTION MANUAL CAREFULLY BEFORE USING THE Freego SELF-BALANCING UNICYCLE;
2. PLEASE KEEP THE SPEED IN THE SAFE RANGE WHICH IS UNDER 10km/h;
3. THE PEDALS MAY TILT UP SLIGHTLY AT A SPEED OVER 12km/h, WHICH IS A NORMAL PHENOMENON. THE PEDALS MAY TILT UP MORE, WHICH IS A SIGN OF DANGEROUS. THIS IS REMINDING YOU TO SLOW DOWN AND KEEP A SPEED WITHIN THE SAFE SPEED 10km/h. PLEASE NOTE THAT THE UNICYCLE WILL NOT STOP SPEEDING UP EVEN REACH THE TOP SPEED 16km/h WHICH MAY CAUSE DANGEROUS. SO IT IS VERY IMPORTANT TO CONTROL IT WITH A PROPER SPEED;
4. CONTROL Freego CAREFULLY ON A LOW SPEED WHEN YOU CROSSING A RUBBER ROAD HUMP;
5. CAREFULLY CONTROL Freego ON A LOW SPEED WHEN YOU GO UPHILL;

6. **FIRST-LEARNERS ARE NOT SUGGESTED TO RIDE Freego IN A CROWDED PLACE OR ON AN ACCIDENTED GROUND;**
  
7. **DO NOT RIDE Freego IN DRIVEWAY;**
  
8. **RIDING Freego ON RAINY DAY IS NOT RECOMMENDED. SLOW DOWN THE SPEED IF HAVE TO;**
  
9. **MAKE SURE YOUR Freego IS FULLY CHARGED BEFORE USING. THE INDICATE LIGHT WILL FLASH CONSTANTLY WHICH IS REMINDING YOU THE UNICYCLE IS OUT OF BATTERY . ANOTHER INDICATION IS THAT THE LEFE PEDAL WILL TILT UP.**
  
10. **THE INDICATE LIGHT WILL TURN TO RED WHEN THE UNICYCLE STOPS AND FALLS DOWN. HOLD IT UP AND SHUT DOWN THE POWER IMMEDIATELY. IT IS ON A NORMAL USAGE IF THE GREEN LIGHT IS ON WHEN YOU PRESS THE POWER BUTTON AGAIN.**

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### 1.Safety Precaution



Riding on an Freego unicycle is a new and interesting way of moving. You should learn the following instructions carefully to avoid hurting yourself by bumping, falling down or losing control.

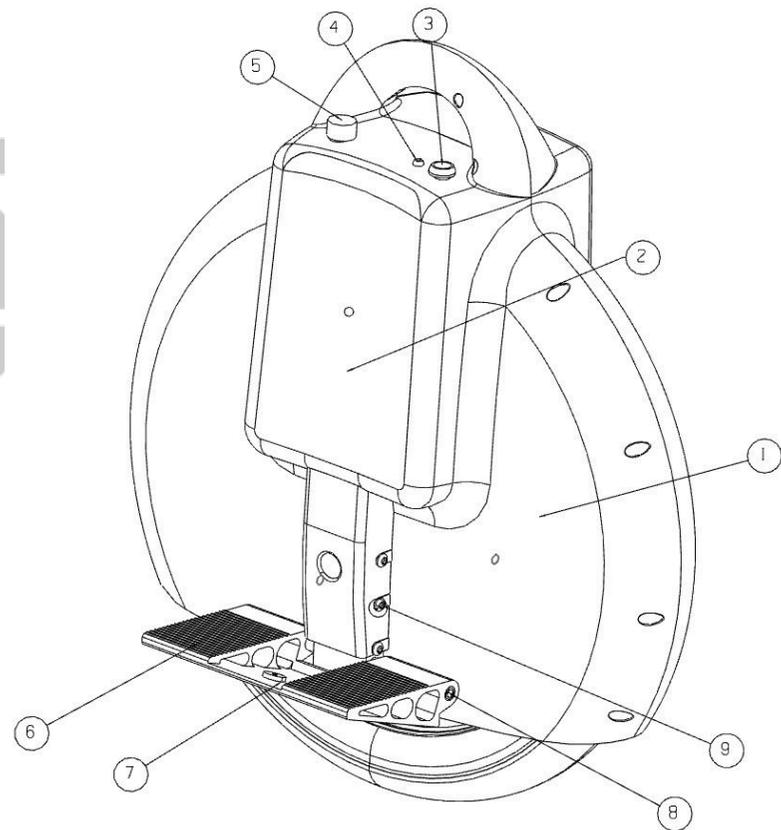
Please note that necessary information and most conditions will be presented in this book. But we do not ensure that all kinds of emergencies are included. We suggest you to ride Freego unicycle on a proper speed carefully for the sake of safety.

### 2.Freego Product Structure

Including an Freego self-balancing unicycle, a charger, a safety belt, an air faucet and an instruction book.

- 1) Plastic Cover
- 2) Soft Rubber
- 3) Power Button
- 4) Indicate light
- 5) Charging Socket
- 6) Fold-up foot pedal
- 7) Magnetic pad
- 8) Axis
- 9) Screw

Free



### 3.The meaning of indicate light

3.1--When the green light is normally on or flash:

1. When the green light is normally on: the battery power is more than 67%;
2. When the green light flash(about once per second): the battery power is between 33% and 67%;
3. When the flashing frequency is higher(about 5 times per second): the current power is less than 33%.

3.2--When the indicate light is red:

It indicates that the battery power is very low and immediate charge is necessary.

3.3--When the red light is flashing:

1. It shows that the Freego vehicle is in danger, you should stop immediately and turn off the power;
- 2.If the problem is not solved with fully charged battery, please send the vehicle for maintenance.

3.4--Notice during charging :

1. Only the charger has charging indicator, so the vehicle cannot detect charging;

2. The specific meanings of indicator on the charger are included in the charging section below;
3. DO NOT ride the vehicle while charging.

## 4. Riding

### 4.1--Notices

#### 4.1.1 Use hand-belt to ensure your riding safe

Before you are skilled in riding Freego, using hand-belt can help your Freego avoid damage.

Tie up the hand-belt on the handle of the vehicle. Put a foot on the pedal and adjust the length of the hand-belt to a comfortable position;

When you are losing balance while riding, stop the vehicle from falling down by holding the hand-belt.

#### 4.1.2 How to keep balance

Freego self-balancing unicycle is gyroscope-stabilized;

Freego self-balancing unicycle will perceive your action and speed up when you lean forward. And it will slow down when you lean backward;

Like riding a bicycle, certain speed is needed to keep you balancing to left and right;

Do not ride on a slippery or sand-covered ground. Freego self-balancing unicycle maintains balance by the friction force between wheel and the surface.

### 4.2--Preparation before riding

1. Choose a suitable site to begin with: please find a ground which is flat, open and no obstacles;
2. Check the vehicle before riding: make sure the battery power is enough and there is no abnormal sound or rub in the vehicle;
3. Grab the hand-belt tightly and adjust the length properly;
4. More information contained in the riding part below.

### 4.3 How to ride

There are five steps to ride Freego self-balancing unicycle correctly. Please read carefully and accord to the following instruction while riding. We believe this will help you master the basic skills of riding Freego self-balancing unicycle.

#### 4.3.1--Turn on the power

- <1> Use one hand to grab the handle, put the vehicle on the ground with the foot pedal put down;
- <2> Press the power button and the indicate light is green;
- <3> Do not try to ride if the indicate light is red;
- <4> We recommend you to drag the vehicle forward and backward several times to feel the strength acceleration and deceleration

#### 4.3.2--Try to stand up

- <1> Put either foot on the pedal and put your center of weight to that foot;
- <2> Stand upright. Let the foot on the pedal control the vehicle as well as keep balance. Make your calf leaned against the rubber tightly;
- <3> Slowly move your weight onto the foot which is on the pedal. Keep your calf, foot and the vehicle

form a tight triangle. Otherwise it is hard to move your weight to the vehicle. We strongly suggest you not to move to the next step before you are succeeded in taking the other foot off the ground for 1 to 2 seconds.

### 4.3.3--Forward

#### <1> Move forward

Like riding a bicycle, most of your weight is on the vehicle and step forward on the pedal. At the same time, the other foot kick backward on ground. The vehicle will go forward. Remember keep balance on the vehicle and put the foot on-ground onto the pedal quickly. You may move 3 to 5 meters at least during this step.

#### <2> Advanced skills

After you master the basic skills of riding Freego, you may try the following step by step. You should pay attention to two points: keep a certain speed and control the vehicle by leaning forward or backward. We suggest you to practice constantly.

### 4.3.4--Change directions

We suggest you to adjust the gradient of the vehicle for turning left or right by adjusting the press of foot, instead of moving your body.

### 4.3.5--Pay attention to riding safely

We believe that you have learned how to ride Freego self-balancing unicycle. We strongly recommend you challenge the actions you have not tried ONLY on the basis of completely understanding the vehicle performance. The power of Freego is limited. It may bring unnecessary hurt with inappropriate operation , so remember to drive carefully.

## 5. Charging

- ① There is a lithium-ion battery contained in the vehicle. Make sure the battery is fully charged when you ride it first time;

- ② Ensure a clean and dry environment when charging. The charger is connected to the Freego self-balancing unicycle and AC power outlet and the red indicator light indicates charging is in progress;
- ③ Charging process will take about four hours and be completed when the indicate light turns green.

## 6.Maintenance

PLEASE NOTE THAT ALL THE MAINTENANCES ARE ONLY EXECUTED BY PROFESSIONALS.

### 6.1--Preservation

- ① Don't keep your Freego in a damp environment;
- ② Charge Freego regularly to extend the battery life even if it would not be used for some time. Please contact us for battery replacement;
- ③ Use a damp cloth and warm detergent to clean your Freego.

### 6.2--Replacing tires

- ① You need hexagon screwdrivers and a phillFreego screwdriver.

- ② Use a phillFreego screwdriver to loosen All screws (including screw on the handle), 7 each side;
- ③ There are six hexagon screwdrivers under both sides of the pedal. Loose the six screws on the other side of the battery. Note: NEVER twist the screws on the battery side, otherwise there will be no warranty(indicated on the shell).
- ④ After unscrewing these screws, open the plastic cover in order to the handle without affecting the tire removal. There are a number of wires in the handle area. Do not pull off these wires. Now you can replace the tyre and repair the tyre tube.
- ⑤ Install the cover onto its original position and tighten the screws after reparation.

## FAQs

### 1.Starting Up

It will take about 2 seconds to power up the Freego after you turn on the power and the indicate light turns green. Make sure the unicycle is with moving power before you ride it. Do not try to ride the Freego if the indicate light turns red. You may send it for maintenance.

### **2. Unable to start up**

If the unicycle has no reaction after turning on the power, please charge the battery immediately. Send for maintenance if the problem cannot be solved with battery fully charged.

### **3. Low battery**

The indicate light will turn red and keep flashing when the Freego is out of battery. At the same time, the unicycle will limit the speed to a low level by tilting up the pedals. You should stop riding the unicycle and charge it immediately.

### **4. Red light flashes after charging**

If the red light keeps flashing after charging, we suggest you to lay the unicycle on the ground with power on for 2 hours. If the problems cannot be solved after you restart the Freego, please send it for maintenance.

### **5. Uphill and downhill**

Since the ability of going uphill and downhill is limited due to the motor power and torque value, we suggest to ride on a low speed when you go uphill and downhill. The Freego is more capable at climbing and protected from damage because of a greater torque.

### **6. Do not accelerate or stop sharply**

The Freego has sufficient capacity to keep the rider balanced during riding. A sharp stop or acceleration may cause dangerous since the motor power and torque value are out of a safe range. Please ride Freego carefully for security considerations.

### **7. Limit your speed**

The Freego keeps balance with enough torque power on any speed. So the only way of limiting the speed is to restrict the rider's action, which is to tilt up the pedals. When you find the pedals are tilting up highly, stop leaning forward any more to slow down the unicycle. Otherwise it may cause dangerous.

### **8. Costume or dress**

Freego officially does not interfere any decorative modification on the surface. However, DO NOT change the battery inside or even costume it. We are not responsible for any damages caused by electro circuit which is due to a inappropriate change of battery. Freego provides paid maintenance services.