Kingsong Aven Electric Unicycle Original User Manual

Model: F16

Works with
Apple Find My

Works with Android
Find Hub

kingsong

SMART LIFE, REACHING THE FUTURE

Dear Valued Customer,

On behalf of KingSong Technology Co., Ltd., I would like to sincerely thank you for choosing a KingSong product. Your trust inspires us to continue pursuing excellence in quality, innovation, and customer service.

Our goal is to provide products that meet the needs of our customers and deliver a safe, reliable, and enjoyable riding experience. Your new product has been carefully developed by our team of engineers and designers, and we hope it will become a trusted part of your everyday journeys.

Your purchase marks not the end of our service, but the beginning of our relationship with you. We are committed to supporting you throughout your ownership experience and are always ready to assist whenever needed.

We also welcome you to share your ideas, suggestions, and vision for the future of intelligent mobility. At KingSong, we truly value the voices of our customers and believe that listening to your needs helps us create better products and better riding experiences.

Once again, thank you for your trust and for becoming part of the KingSong community. We hope you enjoy every journey with your new ride.

Best regards,

Diana Wan

Chief Executive Officer
KingSong Technology Co., Ltd.

CAUTIONS

Electric unicycles are designed as a personal transport for the outdoors and for short distances.

> **YOUR SAFETY IS NUMBER ONE PRIORITY!**
> PLEASE RIDE UNDER LOCAL LAW!

This user manual is a short guide for the end user containing safety points & product features. It is not an exhaustive list of every risky situation that might arise. We strongly advise you to read this guide very carefully and ride with attention.

Riding an electric unicycle, like all outdoor activities, poses risks including injury if you lose control, fall and/or collide with another object and/or person. Please ride with caution and at your own risk.

Thanks you for purchasing King Song electric unicycle!

IMPORTANT SAFETY WARNING

READ BEFORE USE

This manual contains important safety information but cannot cover every possible hazard.
Read it carefully and always use, charge, and store your electric unicycle with caution.

⚠ WARNING: LITHIUM-ION BATTERY & FIRE HAZARD

This electric unicycle contains high-energy lithium-ion batteries. Damage, improper charging, incompatible components, or misuse may cause overheating, fire, explosion, serious injury, or death.

- Use only the charger supplied with this product or a KingSong-approved replacement charger for this model. Use only approved replacement batteries.
- Never use damaged, modified, incompatible, or counterfeit chargers or batteries.
- Never open, repair, modify, puncture, crush, or short-circuit the battery.
- Do not charge or use the product after severe impact, submersion, significant water exposure, or suspected battery damage until professionally inspected.
- Stop using and charging immediately if you notice unusual heat, swelling, leakage, odor, hissing, popping, sparking, smoke, or other abnormal behavior.

⚠ IF SMOKE OR FIRE OCCURS

Do not touch or move the unicycle. Evacuate immediately, keep others away, avoid inhaling fumes, call local emergency services, and follow the instructions of fire authorities.

SAFE CHARGING & STORAGE

Improper charging or storage can increase the risk of battery damage, overheating, or fire.

CHARGING SAFETY

- Charge only in a dry, well-ventilated area on a stable, noncombustible surface.
- Keep the unicycle and charger away from beds, sofas, carpets, curtains, paper, clothing, heat sources, direct sunlight, and other combustible materials.
- **When charging indoors, do not charge in bedrooms or sleeping areas.**
- **Never charge near doors, stairs, hallways, windows, or anywhere that could block or restrict an escape route.**
- **Remain present and awake while charging. Never charge unattended or while sleeping.**
- Do not cover the unicycle or charger while charging.
- Allow a hot battery to cool before charging and follow the specified charging temperature limits.
- Unplug the charger when charging is complete.

STORAGE & DISPOSAL

- Store the unicycle in a cool, dry, well-ventilated location away from heat, direct sunlight, combustible materials, and escape routes.
- Never place lithium-ion batteries or products containing them in household trash or general recycling. Follow local regulations for battery recycling or hazardous-waste disposal.

If you are unsure whether the product is safe to use, charge, or store, stop using it and contact KingSong or an authorized service provider.

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1. Product Details

1.1 Product Diagram

1. Trolley
2. Display
3. Front Handle
4. Power Button
5. Lighting Mode Button
6. Front Light
7. Tire
8. Suspension
9. Battery
10. Pedal
11. Taillight
12. Charging Port
13. Rear Handle
14. Mud Flap
15. Foot Stand
16. RGB Light
17. Motor

1.2 Specifications

Model No	KS-F16
Rated Power	3,500W
Peak Power	10,000W
Full speed unlocked after 5km.	Full-speed mode is unlocked after the first 5 km of riding. Factory alarm settings: Level 1 at 18 km/h, Level 2 at 19 km/h, and Level 3 at 20 km/h, with tilt-back at 20 km/h.
Gradeability	Approx. 45°
Battery	Rated Voltage: 111 V DC Maximum Charging Voltage: 126 V DC Rated Capacity: 2,220 Wh Smart BMS with cell balancing and protection against overcharge, over-discharge, overcurrent, short circuit, and overheating. Battery status can be monitored via the KingSong App.
Range	Approx. 110 km (68.4 mi)
Max Load	120 kg (265 lb)
Charger Specifications	Input: 100–240 V AC / Output: 126 V DC, 5 A
Charging Time	Approx. 4–5 hours
Operating Temperature	-10 ℃ to 45 ℃
Color	Black

Dimension & Weight	
Suspension	Adjustable rebound and compression damping, with adjustable spring preload.
Suspension Travel	Frame Suspension Travel 80 mm
Headlight	30 W integrated dual-color headlight (white + yellow)
Pedal Size	277 × 130 mm (10.9 × 5.1 in)
Pedal height and angle	145–245 mm (5.7–9.6 in); 8°-14° adjustable
Tire type and size	16×3.0 inch (3.0-12 inch); Road tire (Clincher with inner tube)
Product Size	560 (L) × 280 (W) × 650 (H) mm (22.0 × 11.0 × 25.6 in)
Package Size	615 (L) × 330 (W) × 745 (H) mm (24.2 × 13 × 29.3 in)
Product Weight	Approx. 37.7 kg (83.1 lb)
Ports & Controls	Dual GX16-6 charging ports; power button; USB-C port; lighting mode button
Protective Measures	
Lift-Up Protection	Double-press the power button to disable motor balancing before lifting the unit. Balancing is restored automatically when the unit is returned to an upright position.
Tilt Protection	The default tilt cutoff angle is 45° on either side. If the tilt angle exceeds 45°, motor output will stop. The cutoff angle can be adjusted in the KingSong App. Once the unit is returned to an upright position, balancing is restored automatically without restarting.

Speed Limit Protection	Over speed buzzer alarm or speech broadcast + pedal tilt back.
Low Battery Protection	Low battery protection activated on 30% battery, speed will decreases linearly; when the battery is lower than 5%, voice alarm for charge, when battery at 0%, the front part of the pedal will rise to decelerate until full stop.
High Temperature Protection	80℃ high temperature seesaw for the mainboard, 140℃ high temperature seesaw for the motor, and 60℃ high temperature seesaw for the battery.
Motherboard Waterproof Protection	The motherboard is modularly designed and independently waterproof. At the same time, the U-shaped groove between the motherboard seat and the upper cover is connected with a silicone sealing ring to enhance the waterproof performance and provide a safe waterproof protection for the motherboard seat.
Battery Waterproof	Independent battery and multiple waterproof designs
Vehicle Reverse Parking Device	The parking bracket is designed according to the whole vehicle, making parking more convenient.
Alarm & Features	
Power On/Off	Short press the power button to turn on, long press the power button to turn off
Battery Indicate	LED dot matrix screen shows battery level when EUC power on at rest.
Speed Indicate	The LED dot matrix screen can display speed, voltage, and current in riding mode, which can be adjusted through the APP
Hardware Features	
Main Board	Brand-new motherboard architecture, the driver board is designed separately on the aluminum substrate, which has better heat dissipation. 18 brand-new Toll packaged low-resistance MOS

	provide good power supply for high-power motors. The modular design of the control board and display board provides good support for the whole system.
Data Bluetooth System	Adopting 5.1 Bluetooth module, it has stronger compatibility and more stable data transmission.
Lighting, Switch	Integrated modular lighting and switch design, more convenient maintenance; 1. Lighting: 30W high-power integrated dual-color (white light + yellow light) lighting, automatically adjust the brightness according to the speed, automatically turn on and off the lighting system at night according to the set time, and can adjust the angle separately to provide all-round lighting at night 2. Switch: Silicone waterproof switch design, integrated power on/off, shutdown switch, lighting switch design
Charging Port	Dual charging port design, a single charging port supports 5A high current, the whole vehicle supports 10A fast charging
Location tracking	The Google+Apple network uses hundreds of millions of devices worldwide to build a location system that enables vehicle location tracking.
Type-C Port	Comes with a Type-C discharge port, max 5V/2A output, to easily power your external devices.
Taillight and Colorful Lights	The rear features 40 RGB lights seamlessly integrated with the vehicle body. Each side of the battery pack tail is equipped with 66 RGB lights, paired with an integrated light-transmitting panel. Built-in rich lighting effects such as braking and turn signals create a highly recognizable and stunning vehicle appearance.
Display	Integrates power, speed, fault code, spectrum display and other information into one 16*16 dot matrix display(Set the display content in the APP)

Temperature Control System	Real-time monitoring of motherboard, motor and battery temperature, providing good safety protection for users to ride
Phone-sensor Unlock Function	The vehicle automatically powers on and unlocks when you approach with your phone, and powers off and locks as you walk away. It eliminates the need for traditional mechanical buttons for a more convenient and hassle-free daily riding experience.
Handle	The new integrated design of the front and rear double handles, made of carbon fiber, has a better texture and strength, making it more convenient to carry the car, stable and reliable
Trolley	Independent center-mounted three-section U-shaped pull rod design, more portable
Motor	The newly developed high-power 3500W hollow shaft motor provides a strong acceleration feeling for riders
Battery	Adopt Samsung 50S 21700 5000mA battery cell, the whole vehicle is designed with four independent batteries, the battery protection board adopts the new BMS battery management system, real-time monitoring of battery safety, magnesium alloy battery box integrated design, more reasonable design, safer to use
Suspension system	Adopt spring + air multifunctional combination suspension, independent damping and spring preload adjustable knob, creating a new riding experience for users
Packing List	
Standard Accessories	F16*1, Charger*1, Manual*1, Pump*1, QC certificate*1

2. Safety Instructions

● F16 is an entertainment product, Which is different from motor vehicles driving on the road. Before mastering riding skills, you need to practice. Kingsong is not responsible for any injuries or damage caused by a rider's inexperience or failure to follow the instructions in this document.

● Please understand that you can reduce the risk by following all the instructions and warnings in this manual, but you cannot eliminate all the risks. Remember that whenever you ride the F16 you risk injury or death from loss of control, collisions, and falls. When entering into public spaces always comply with the local laws and regulations. As with other vehicles, faster speeds require longer braking distance. Sudden braking on smooth surfaces could lead to wheel slip, loss of balance, or falls. Be cautious and always keep a safe distance between you and other people or vehicles when riding. Be alert and slow down when entering unfamiliar areas.

● Respect pedestrians by always yielding the right of way. Pass on the left whenever possible. Avoid startling pedestrians. When approaching from behind, announce yourself and slow down to walking speed when passing.

● In places without laws and regulations governing selfbalancing electric vehicles, comply with the safety guidelines outlined in this manual. Kingsong is not responsible for any property damage, personal injury/death, accidents, or legal disputes caused by violations of the safety instructions.

● Make sure each new rider wears a helmet and other protective gear.

● Before each ride check for loose fasteners, damaged components, and low tire pressure. If the F16 makes abnormal sounds or signals an alarm, immediately stop riding. Contact your dealer/distributor for service.

● Always wear a helmet when riding. Use an approved bicycle or skateboard helmet that fits properly with the chin strap in place, and provides protection for the back of your head.

● Do not attempt your first ride in any area where you might encounter children, pedestrians, pets, vehicles, bicycles, or other obstacles and potential hazards.

● Use caution when riding in new environments.

● To reduce risk of injury, you must read and follow all "WARNING" notices in this document. Do not ride at an unsafe speed. Under no circumstance should you ride on roads with motor vehicles. Always follow these safety instructions:

A) The following people should not ride F16:

i. Anyone under 16 years old or above 50 years old.

ii. Anyone under the influence of alcohol or drugs.

iii. Anyone who suffers from disease that puts them at risk if they engage in strenuous physical activity.

iv. Anyone who has problems with balance or with motor skills that would interfere with their ability to maintain balance.

B) Comply with local laws and regulations when riding this product. Do not ride where prohibited by local laws.

C) To ride safely, you must be able to clearly see what is in front of you and you must be clearly visible to others.

D) Do not ride in the snow, in the rain, or on roads which are wet, muddy, icy, or that are slippery for any reason. Do not ride over obstacles (sand, loose gravel, or sticks). Doing so could result in a loss of balance or traction and could cause a fall.

E) Do not accelerate or decelerate suddenly. Do not accelerate when the F16 tilt back or sounds an alarm. Do not attempt to override the speed limiter.

F) While the Kingsong App is useful, do not allow the App to distract you while you are riding. Always pay attention to your surroundings.

● Never restart and ride your F16 after it has indicated an empty battery condition or powered off due to low battery. Your F16 may not have enough power to keep you balanced, especially if you demand a lot of power at once. If you restart and continue riding, you risk falling. Also, you risk damaging your batteries, resulting in reduced battery life and capacity.

● Do not insert the power cord if the charge port is wet.

● Use a surge protector when charging to help protect your F16 from damage due to power surges and voltage spikes. Do not use a charger from any other product.

● Always shut down your F16 and unplug the AC Power Cord before performing any maintenance.

● Do not modify your F16. Modifications to your F16 could interfere with the operation of the F16, could result in serious injury or damage, and could void the Limited Warranty.

3. Kingsong APP

● Android APP: Please download from Google play, 'kingsong' is the exact one.
● iOS APP: Please download from apple store, 'kingsong' is the exact one.
● Mini program: Scan on WeChat and use the mini program.

Android iOS Wechat Mini Program

Warning: Please give the corresponding permission to APP, to ensure the APP can run normally in your mobile device.

Open Bluetooth/location (or GPS), Click 'Search' - -> Click the corresponding model KS-F16 in device list to connect. The E-unicycle will beep when APP is connected with E-unicycle.

4. Find My

Apple Find My
Quick instructions

Turn on the device

Click the power button 3 times to turn on the Find My device.

Pair the device

- Open the Find My app. Hold the device close to your iPhone, tap the Items tab, tap + and then Add Other Item.
- Tap Connect.
- Type a name for your device, select an emoji.
- Tap Agree to acknowledge that this item will be linked to your Apple ID.
- Tap Finish.

Enable Lost Mode

- Open the Find My app, tap the Items tab, then tap your item.
- Under Lost Mode, tap Enable.
  Read the instructions, tap Continue and enter a phone number or email address. Confirm the information, customize the lost message, and tap activate to complete the setup.

Remove the device

- Open the Find My app, tap the Items tab, then tap your item. Tap Remove Item and then tap Remove to complete the operation.

Note: After removing the device in the app, it will not shut down and will be in the pairing mode.

Main Functions

Locate your item

If your missing item isn't nearby, the Find My app can still help you track it down using the Find My network - hundreds of millions of iPhone, iPad, and Mac devices around the world. Nearby devices securely send the location of your missing device to iCloud, then you can see where it is in the Find My app. It's all anonymous and encrypted to protect everyone's privacy.

Play Sound

- Open the Find My app, tap the Items tab, then tap your item.
- Click Play Sound, and the device will beep, so you can find the item easily.

Instructions for device power button

Device operation

- **Turn on the device:** Click the power button 3 times to turn on the Find My device.
- **Turn off the device:** Click the power button 4 times to turn off the Find My device.
- **Learn more:** Click the power button 5 times to enter "learn more" mode.
- **Reset the device:** Click the power button 6 times to reset the Find My device.

The device enters the pairing state again

After removing the device from the app, the device will beep, will not shut down, and will be in pairing mode. If it is not paired within 10 minutes, the device will leave the pairing state. If you need to pair devices at this point, click the device button 6 times and the device beeps. At this point, thedevice enters the pairing state and can be paired with the app again.

Locate & Notifications

Find item When It's Nearby:

- Open Find My app and select the "Items" tab or open the Find Items app on your Apple Watch.
- Tap on your item from the list.
- Tap "Play Sound" to make your item beep.
- Tap "Stop Sound" to stop the beeps once you find.

Find item's Location:

- Open Find My app and select the "Items" tab or open the Find Items app on your Apple Watch.
- Tap on your item from the list.
- Your item's location will appear on the Map with a time stamp of when the iterm was located.
- To navigate to the item's location, tap “Directions" to open Apple Maps.

Enabling "Notify When Left Behind":

- Open Find My app and select the "Items" tab or open the Find Items app on your Apple Watch.
- Tap on your item from the list.
- Under "Notifications" enable the "Notify When Left Behind" toggle.
- You will receive a notification when you leave your item behind and it's no longer in range of your device.

Enabling "Notify When Found":

- Under "Notifications", enable the "Notify When Found" toggle.
- When your item is seen by another Find My network device, you will receive a notification of its location.

Note :" Notify When Found" can only be activated when your item is out of range.

Important tips: When pairing a device with Findmy app, the phone will link to the Apple server. Pairing may fail because of network problems. The following actions are recommended:

1. Change the phone's network, such as switching between WiFi and network;
2. Restore the device to factory Settings， Click the power button 6 times to reset the Find My device.
3. Pair with Findmy app.

Legal notice

To use the Apple Find My app to locate this item, the latest version of iOS, iPadOS, or macOS is recommended. The Find Items app on Apple Watch requires the latest version of watchOS.

Use of the Works with Apple badge means that a product has been designed to work specifically with the technology identi fied in the badge and has been certified by the product manufacturer to meet Apple Find My network product specifica-tions and requirements. Apple is not responsible for the operation of this device or use of this product or its compliance with safety and regulatory standards.

Apple, Apple Find My, Apple Watch, Find My, iPhone, iPad, iPadOS, Mac, macOS and watchOS are trademarks of Apple Inc. IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.

FAQ:

When can the device be located?

When an item is separated from its owner for a period of time, it can be found by other Apple devices that are part of the Find My network, and the owner can start to get the location of the device.

How is the device designed to discourage unwanted tracking?

If any Find My network accessory separated from its owner is seen moving with you over time, you'll be notified in one of two ways:

1. If you have an iPhone or iPad, Find My will send notifica tions to your Apple device. This feature is available on iOS or iPadOS 14.5 or later.
2. If you don't have an iOS device or a smartphone, a Find My network accessory that isn't with its owner for a period of time will emit a sound when it's moved.

These features were created specially to discourage people from trying to track you without your knowledge.

How is my privacy protected?

Only you can see where your item is. Your location data and history are never stored on the item itself. Devices that relay

the location of your item also stay anonymous, and that location data is encrypted every step of the way.

What is the Find My network? And how does it work?

The Apple Find My network provides an easy, secure way to locate compatible personal items on a map using the Find My app on your iPhone, iPad, Mac, or the Find Items app on Apple Watch. Simply pair your compatible product with the Apple Find My app to view it right alongside your Apple devices.

If your item ever goes missing, you can put it in Lost Mode to display a message and contact information to anyone who might find it. The Find My network is encrypted and anonymous, so no one else, not even Apple or the mark of your personal item, can view its location.

Google’s Find Hub

Before You Start

This item only supports the "Find Hub" app. Please make sure to download and install this app on Google Play before use.

The device is compatible only with Android devices running Android" 9 and above.

This item does not support Huawei devices.

Once item is paired with a device, it will be locked and cannot be paired with another device.

Button and Sound instructions

- **Turn on the device:** click the power button 3 times to turn on item.
- **Turn off the device:** clicklick the power button 4 times to turn off item.
- **Learn more:** clicklick the power button 5 times to enter "learn more" mode.
- **Reset the device:** click the power button 6 times to reset item.

Reset:

1: Open the "Find Hub" app, select your item, tap the Settings button, then tap"Remove from Find Hub" and confirm.
2: After removing it, click the power button 6 times, the item will be reset.
Note: Please power on the item and remove the device from the "Find Hub" app before resetting.

Instruction

Add Item

1.Make sure your phone's Bluetooth and network are turned on.
2.Click the power button 3 times to turn on item.
3.Bring item close to your Android device and wait for the pop-up to show item. (Remark: If no pop-up appears, please restart your phone and try again).
4.Tap "Connect", read and accept the prompts to complete the pairing.
5.In the"Find Hub" app, select item to customize the device name and Category.

Find Nearby

In the "Find Hub" app, select your item and tap "Play Sound" to locate your item. Once found, tap Stop Sound to silence the device.

Find Far Away

In the "Find Hub" app, select your item, tap the device to view its location. To navigate to the location, tap "Get Directions" to open map navigation.

Enable Lost Mode

In the "Find Hub" app, select your item and tap "Mark as Lost".
Add your contact information and you will get a notified if the Find Hub network locates it.

Item Location Sharing

In the "Find Hub" app, select your item, then tap "Share Device”.

Connect to another phone

After completing the reset process, then connect to another Android phone.

Manual Set Up instructio(If you miss the pop-up)

1. Open Settings.
2. To "Google".
3. Click on "All Services".
4. In the "Connected Devices & Sharing" menu, select "Devices”
5. Enable "Scan for Nearby Devices".
6. Item will appear in the list of available nearby devices.
7. Click on it and follow the on-screen instructions to complete the connection.

Legal Notice

Find Hub helps you and connect to what matters in a single, secure place. Find your lost phone or other important belongings quickly. You can also use Find Hub for seamless location sharing with friends & family for peace of mind.

Find Hub network requires location services and Bluetooth to be turned on. Requires cell service or internet connection. Works on Android 9 and above on select devices [devices or phones] and in certain countries for age-eligible users.

Google, Android, Google Play and Find Hub are trademarks of Google LLC.

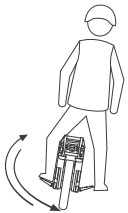
5. Learn to Ride

5.1 Precautions

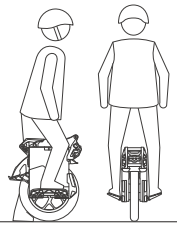
- Please find a surface to practice on.
- Warm up your body and ensure you're wearing safety gearsuch as helmets, knee pads, elbow pads and wrist guards.
- Ensure the wheel's battery level.
- Check the unicycle for imperfections such as any looseness, abnormal sound. We also highly suggest pushing the unicycle by ahnd to see if there's any friction between tire and the case of the wheel.
- Please do not accelerate or decelerate rapidly, please also try to avoid over leaning or leaning too fast to prevent rider injury.

5.2 Start Learning to Ride

- Like riding a bicycle or unicycle, it takes a certain skill level to ride Kingsong F16 For different customers, it may take 2-20 hours to ride well.

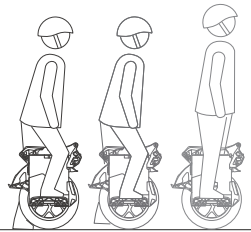


01. Get used to the way Kingsong F16: step on one pedal, then swing your leg back and forth to feel the controls.

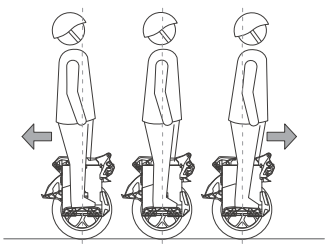


02. Using a friend, wall, or handrail: put both feet on Kingsong F16 and practice riding slowly forward and backward.

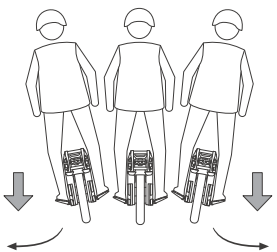
03. With one foot on a pedal, slowly lean forward. Push off with your other foot and glide for 1-2 seconds.



04. After you are able to comfortably glide for a few seconds, try gliding for 10-20 ft (3-5 m) with both feet on the pedals.



05. Practice travelling forward and backward by controlling your body's center of gravity. The further you lean, the faster you go.

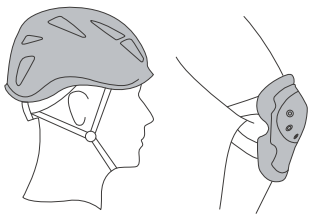


06. Turn by pressing harder on one pedal than the other, and by shifting your weight slightly.

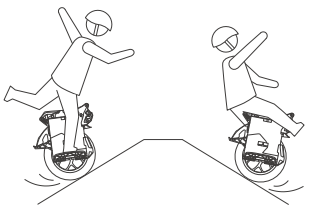
07. To get off: come to a stop by centering your weight, then step off F16 with one foot.

6. Warning

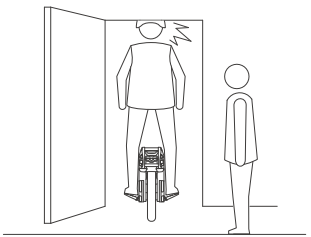
You must read and understand the Warning Instructions section of this manual before attempting to ride the F16.



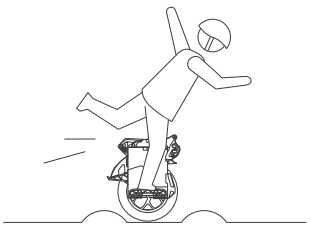
● Always wear a helmet and, protective clothing when riding.



● Use caution when riding on slopes. Avoid riding on steep slopes.

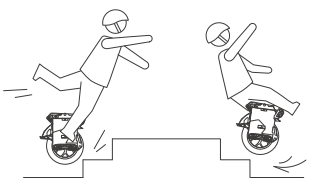


● Watch your head when passing through doorways.

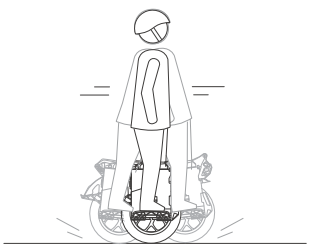


● Use caution when riding over any changes in terrain.

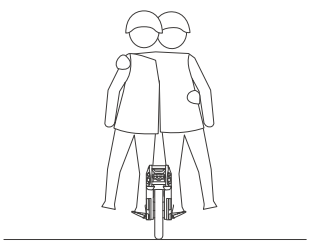
● Do not ride on limited traction surfaces.



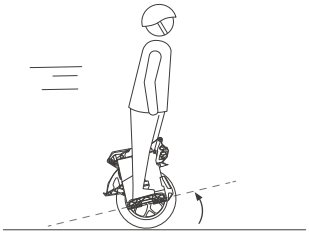
● Do not ride over holes, curbs, steps, or other obstacles.



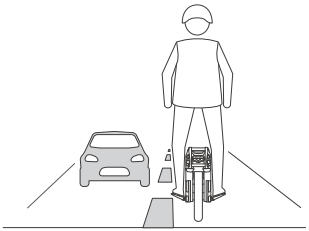
● Do not rock back and forth or shift your weight abruptly.



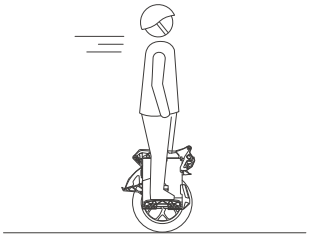
● Do not ride double or carry any passengers.



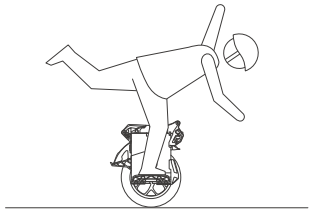
● Do not accelerate when the F16 tilts back or sounds an alarm.



● Do not ride on public roads, motorways, or highways.



● Do not exceed the max speed limit.



● Do not ride with single leg on the pedal.

● Maintain contact with the ground at all times. Do not jump or attempt stunts.

● Do not ride through puddles or other bodies of water.

7. Suspension

Multi-function combined suspension , independent compression and rebound adjustable system.

Preload

Rebound

- Suspension preload adjustment;
- Rotate the wrench clockwise to increase the preload;
- The scale marks on the left / right sides shall be consistent.

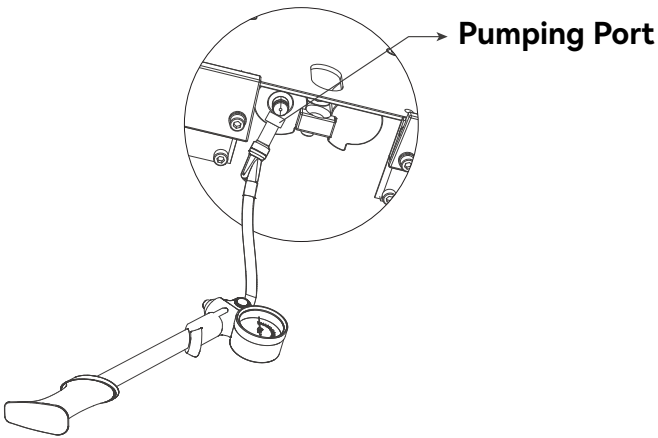
HOW TO PUMP SUSPENSION SYSTEM:

Check the weight-barometer, and refill the air chamber with the manufacturer-provided inflator. The inflating position is at the bottom of the suspension.

1. Remove the valve cap and screw on the pump.
2. Inflate the air chamber according to the table;
3. Install the valve cap and tighten the screws.

Weight-barometer

Rider Weight (kg)	Air Pressure (psi)
< 70 kg	50 psi
70-80 kg	100 psi
80-90 kg	150 psi
90-100 kg	200 psi
> 100 kg	260 psi



8. Maintenance

8.1 Cleaning

WARNING

Make sure the F16 is powered OFF, the charge cable is unplugged, and the silicone cap on the charge port is tightly sealed before cleaning; otherwise you may expose yourself to electric shock or damage the electronic components. Do not wash your F16 with a power washer or high pressure hose.

Wipe your F16 clean with a soft, wet cloth. For stub born stains, use a toothbrush and toothpaste.

NOTE

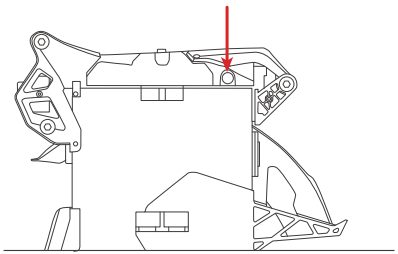
Do not wash your F16 with alcohol, gasoline, acetone, or other corrosive/volatile solvents. These substances may damage the appearance and internal structure of your F16.

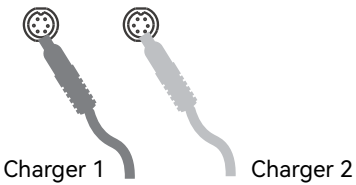
Storing

Store the vehicle in a cool, dry place. Do not store it outdoors for extended periods of time. exposure to excessive sunlight or temperature extremes (both hot and cold) may affect the vehicle's appearance, battery life, and tires.

8.2 Charging

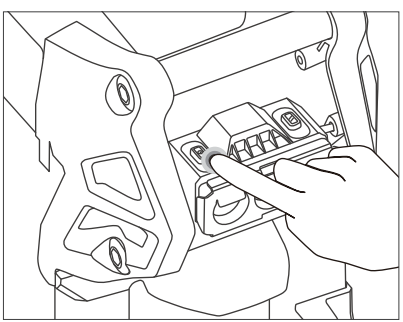
The original charger is DC 126V / 5A. The indicator of the charger is red/green, mean on-charging/charging completed. With two chargers working together, the charging time will be 50% cut off.

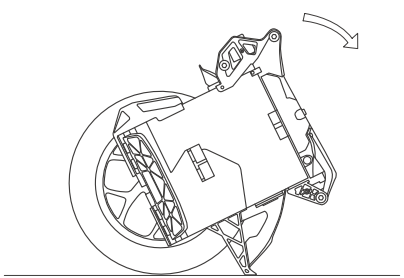




8.3 Foot stand

When the speed of the unicycle drops to zero, click the power button twice to turn on the lift-to-stop function. The unicycle loses its self-balancing force and slowly parks the unicycle.





8.4 Battery Maintenance

WARNING

- Do not attempt to disassemble the battery.
- Do not allow the battery to get colder than -20℃ or hotter than 50℃, e.g. in a car. Do not expose the battery to fire. Do not discard or destroy the battery. Refer to your local laws and regulations regarding battery recycling and/or disposal.
- To extend the battery's life, charge it frequently and avoid draining the battery completely. At 30℃ the battery range and performance is at its best; whereas at temperatures below 0℃ range and performance are decreased. Typically, at -20℃ range can be half that of the same battery at room temperature. Battery range will recover when temperature rises.

Temperature(℃)	-20	-10	0	10	20	30
Range	40%	60%	80%	90%	95%	100%

NOTE

A fully-charged F16 can be stored for about 120 to 180 days before requiring charging. Completely draining the battery may cause permanent damage to the battery. Electronics inside the battery record the charge-discharge condition of the battery; damage caused by over-discharge or under-discharge will not be covered by the Limited Warranty.

9. Warranty

For warranty policy, please consult with the point of purchase or email to the manufacturer’s service team:

info@kingsong.com

Again, we appreciate your purchasing of Kingsong products.

This equipment has been tested and found to comply with thelimits 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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this 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.

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

KINGSONG TECHNOLOGY CO., LTD.

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E-mail: info@kingsong.com