

SPECTRA Silver

V1.0

# USER MANUAL

WALNUT

# Contents

<b>Using this Manual</b>	Legends	01
	Read Before the First Ride	01
	Video Tutorials	01
	Download the eBoard Go App	01
	6-Step Quick Start	02
<b>Product Profile</b>	Introduction	05
	Feature Highlight	05
<b>Product Features</b>	SenDeck	08
	Start Mode	09
	Motion Control	10
	Cruise Function	11
	4WD Brake	11
	Speed Mode	12
	Ramp Assist	12
	Riding Status Indicator	13
	Magnetic Charge	14
<b>eBoard Go app</b>	Device	17
	Home	18
	Discover	18
	Inbox	18
	Me	18
<b>Ride and Safety</b>	Ride Environment Requirements	20
	Ride Limits	20
	Pre-ride Checklist	20
	Warnings	21

# Contents

Storage and Transportation	21
Travel Notice	22
Maintenance and Upkeep	22
Disposal	23
<b>FAQ</b>	24
<b>Appendix</b>	
Specifications	27
Charger	27
After-Sales Information	28
Safety Certificates	28



# Using this Manual

## Legends

 Warning

 Important

 Hints and Tips

 Reference

## Read Before the First Ride

Read the following documents before using the SPECTRA™ Silver:

1. *User Manual*
2. *Quick Start Guide*
3. *Disclaimer and Safety Guidelines*

Check all of the included parts listed in the *In the Box* page of *Quick Start Guide* and read the *Disclaimer and Safety Guidelines* before ride. Then prepare for your first ride by using the *Quick Start Guide* and watch all of the tutorial videos on WALNUTT's official website ([www.walnutt.com](http://www.walnutt.com)). If you have questions, refer to the *User Manual* in the App or on WALNUTT's official website for more comprehensive information. Make sure you fully understand the functionality of the SPECTRA Silver, the ride condition requirements, the key contingency warning functions/systems, and all government regulations before each ride. If you have any questions or problems during the use or maintenance of this product, please contact WALNUTT or a WALNUTT authorized dealer or designated service provider.

## Video Tutorials

Please watch the tutorials videos at the link below, which demonstrate how to use SPECTRA Silver safely. [www.walnutt.com](http://www.walnutt.com)

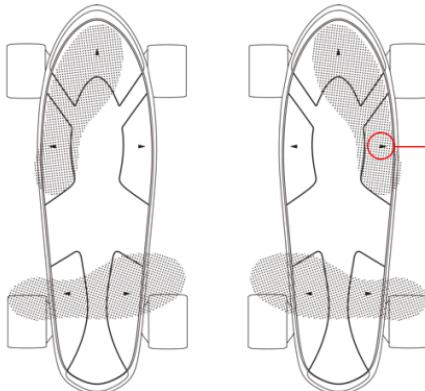
## Download the eBoard Go App

Download and install the eBoard Go App before using the SPECTRA Silver. Visit the WALNUTT official website to download the latest version, or search for it in iOS App store or Google Play.

The Android version of the eBoard Go App is compatible with Android 4.1.2 or later.

The iOS version of the eBoard Go App is compatible with iOS 8.0 or later.

## 6-Step Quick Start



### Standing Postures

There are five sensing areas on SenDeck of SPECTRA Silver, marked by  arrows.

Refer to the two postures on the left. **Press your feet on four of those  arrows** to ensure the SenDeck could detect your pressures.

### 1. Step Up

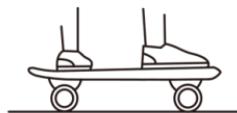


Choose one posture from above, and step your front foot on the SenDeck. Then step on your rear foot.

**Remember to stand on four of those  arrows.**

Alarm: D-

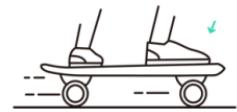
### 2. Stand Stably



Straighten your body, try to maintain balance and keep the deck level.

Alarm: D-D-

### 3. Move Forward



Lean slightly forward. The SPECTRA Silver will gradually speed up.

Shift your weight backward to gently slow down until stop.

#### 4. Make Turns

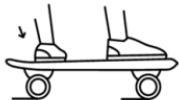


To turn left, lean your body to the left and press your rear foot on the left sensor module.

**Tilt the deck to steer more easily.**

You can turn right in the similar way.

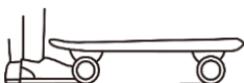
#### 5. Decelerate & Brake



Shift your weight backward. The SPECTRA will gradually slow down and stop eventually, unless you lean forward again.

Alarm: D-D-D-..... Headlight: Red Taillight: Red

#### 6. Instant Stop



Jump off to the side of SPECTRA Silver to stop it immediately.

The SPECTRA brakes with all wheels until stop.

**Do not jump off SPECTRA at high speed. Confirm the landing environment before jumping.**

Alarm: D— Headlight: Red Taillight: Red

# Product Profile

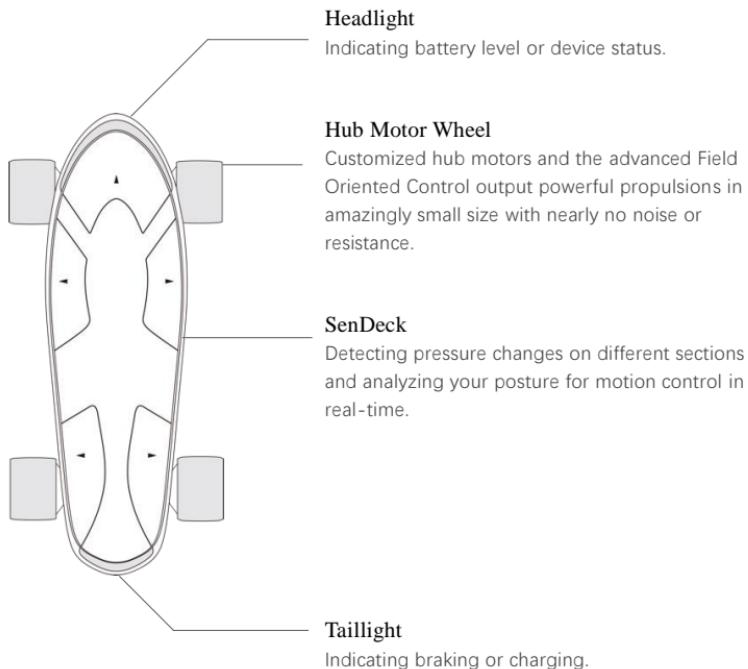
This section introduces the SPECTRA Silver and lists its components.

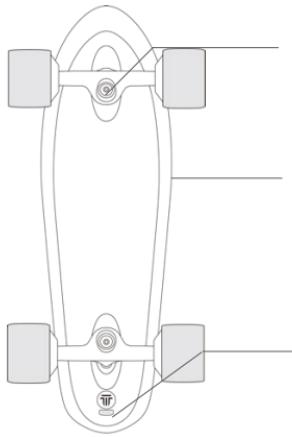
## Introduction

The SPECTRA Silver is an extremely portable mobility device. With SPECTRA Silver, you are able to travel around, brake and even climb ramps without any additional controller. By connecting the eBoard Go app, you can also interact, share and lock with your SPECTRA Silver.

## Feature Highlight

SenDeck and 4WD are two innovative components in the SPECTRA Silver. By simply adjusting body posture, you can reach your destination smoothly, and brake to stop timely and safely during your journey.





### Truck

Assisting steering by rotating the axles.

### Magnalium Unibody

An integrated waterproof body without any holes or slits but only the perfect Magnalium surface with strong corrosion resistance and physical strength.

### Magnetic Charge

Magnetically attaching to the charger.

### Power Button

Press to switch on or off the SPECTRA Silver.

## Built-in Battery

Our battery module features high-capacity battery cells and an advanced power management system, satisfying various stringent safety standards.

## Ramp Assist

The 6-axis attitude sensors and the control module can intelligently accelerate in uphill or brake in downhill.

## 4WD

4 Hub Motor Wheel provides strong power, stable rides and countable deboost.

Walnut Technology Limited reserves the right to update this user manual.

Please visit [www.walnutt.com](http://www.walnutt.com) and check your email periodically for the latest version.

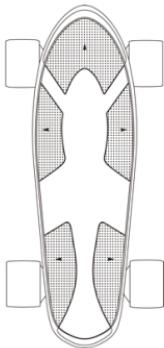
This user manual is made in various language versions; in the event of divergence among different versions, the English version shall prevail.

## Product Features

This section introduces the features of the SPECTRA Silver.

## SenDeck

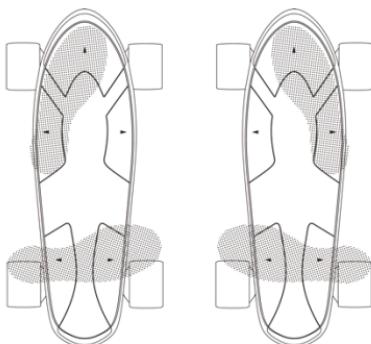
The SPECTRA Silver's SenDeck integrates 5 sensing areas to detect pressure changes on different sections.



### Perceive Your Posture

Pressures at your feet change along with your body posture. With the unique perceiving system, SPECTRA Silver is able to real-time analyze your body posture based on these pressure signals.

Other valuable information, such as whether you are standing stably or lifting your toes or heel, could also be recognized.



### How to Stand

Refer to the standing postures on the left. Separate your feet into front and rear.

Whether you prefer your left or right foot ahead, SPECTRA Silver is fully compatible with these two postures.



- You are supposed to check the sensor modules before using the SPECTRA Silver. Refer to the "Device" on Page 17 for more information.

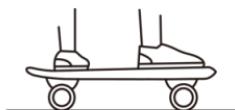


- The arrows on the surface mark the positions of sensor modules. Putting your toes or heels on the arrows will help to perceive your body postures.

## Start Mode

To start the SPECTRA Silver, you can either stand still on it or slide with it. The details of each start mode are found below.

Mode Name	User	SPECTRA	Alarm
Stand Mode	1. Step on your front foot.	Brakes all wheels.	None
	2. Step on your rear foot.	Brakes all wheels.	D-
	3. Straighten your body, maintain balance and keep the deck level.	Releases brake and gets ready to go.	D-D-
Slide Mode	1. Slide with your front foot.	Releases brake.	D-
	2. Put on your rear foot.	Gets ready to go.	D-D-



Stand to go

OR



Slide to go



- The operation conditions of SPECTRA Silver are limited within -10 ~ 35C° and under 85 kg. Long-time operation under high temperature and large load may cause sensor module failure therefore should be avoided.
- You **MUST** wear helmet and other safety equipment while riding the SPECTRA Silver.



- Use the eBoard Go app to change the start mode of the SPECTRA Silver. Refer to the "Device" on Page 17 for more information.
- If you are just starting out using the SPECTRA Silver, you are suggested to choose the Stand Mode. Refer to the "Device" on Page 17 for more information.

## Motion Control

The SPECTRA Silver moves along with your posture thanks to the well-designed and intuition-motivated motion controller. Simply by tilting your body, you can freely move forward and make turns.

### Move Forward



Lean slightly forward. The SPECTRA Silver will gradually speed up.

Shift your weight backward to gently slow down until stop.

### Make Turns



To turn left, lean your body to the left and press your rear foot on the left sensor module.

**Tilt the deck to steer more easily.**

You can turn right in the similar way.

### Use the Truck



SPECTRA Silver adopts the *truck*, a classic mechanism on every common skateboard.

When you are leaning, try to tilt the deck. The trucks will rotate the front and rear axles in opposite directions, which can help turning greatly.

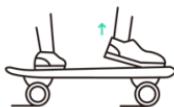
The truck and the differential speed together bring you a better steering experience.



- To loosen the truck, use the supplied Hexagon Socket to turn the Kingpin Nut counter-clockwise. This will help you to tilt the deck more easily when turning.

## Cruise Function

### Cruise Function



Slightly lift your front heel up and keep for 1.5 seconds, Cruise function will be activated, speed will remain as you keep your front heel up.

Put back down your front heel, cruise function will be deactivated.

**Alarm:** D - D (Every 2s)      **Headlight:** Flash (Every 2s)

## 4WD Braking

The SPECTRA Silver come with four Hub Motor Wheels, SPECTRA can brake timely and reliably while ensuring the safety and smoothness.



### Decelerate & Brake

Shift your weight backward. The SPECTRA will gradually slow down and stop eventually, unless you lean forward again.

**Alarm:** D-D-D-.....      **Headlight:** Red      **Taillight:** Red



### Instant Stop

Jump off to the side of SPECTRA to stop it immediately. The SPECTRA brakes all wheels until stop.

**Alarm:** D—      **Headlight:** Red      **Taillight:** Red

## Speed Mode

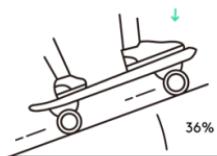
When you are riding on the SPECTRA, three different speed modes are available. The details of each start mode are found below.

Mode Name	Description
Beginner Mode	For beginners to get started. Speed and acceleration are limited: Approx. 8km/h.
Sport Mode	For users familiar with the SPECTRA Silver. Normal speed and acceleration: Approx. 15km/h
Pro Mode	For skilled users pursuing performances. Speed and acceleration limits are relaxed: Approx. 35km/h

## Ramp Assist

The SPECTRA Silver embeds inside 6-axis sensors to perceive its attitude and the slope. Whether in uphill or downhill, you can still use the same posture to control the SPECTRA Silver freely.

### Uphill

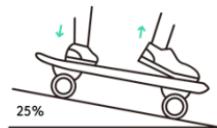


In uphill, the SPECTRA Silver will increase the motor outputs by itself.

- 🚫 The maximum uphill slope is 36 %. The SPECTRA Silver may shut off the motors if exceeding such limit.

💡 Long-time riding in uphill will reduce the range.

### Downhill



In downhill, the SPECTRA Silver will decrease the motor outputs and brake to slow down.

- 🚫 The maximum downhill slope is 25%. Exceeding such limit may cause loss of control therefore should be avoided.

## Riding Status Indicator

The Headlight and the Taillight reflect the riding status of the SPECTRA Silver. The tables below contain more information about these indicators.

### Battery Level

In normal riding, the Headlight color reflects the battery level.

Headlight	Description	
 —	Solid Blue-green	100% ~ 20%
 —	Solid Yellow	20% ~ 5%
 —	Solid Red	5% ~ 1%



- If the battery level is low, stop riding and charge it in time to prevent over-discharge.
- Battery capacity is significantly reduced in low temperature (<0°C) environments. And you should NOT use the SPECTRA Silver below -10°C.

### Braking Status

In normal riding, the Headlight and Taillight color, as well as the alarm, reflects the braking status.

Headlight	Taillight	Alarm	Description		
 —	Solid Red	 —	Solid Red	D-D-D-.....	The SPECTRA is decelerating.
		D—			The SPECTRA is braking until stop.

### Warnings

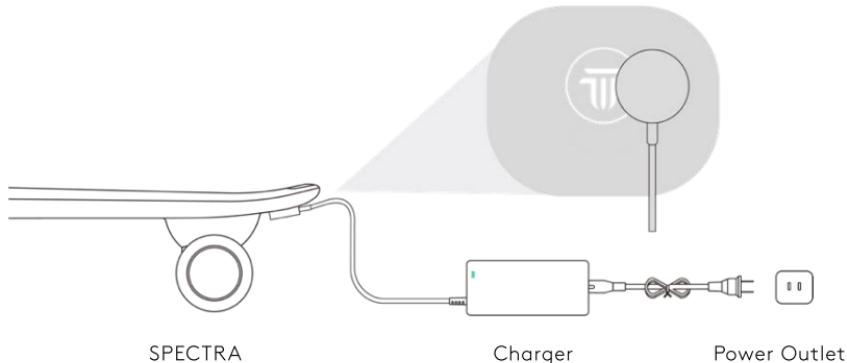
If any abnormal status occurs, the SPECTRA Silver will warn you by the Headlight and Alarm. Connect to the eBoard Go app for details, and contact WALNUTT or a WALNUTT authorized dealer or designated service provider for maintenance services if necessary.

Headlight	Alarm	Description
 ..... Flashing Red	DDD.....	Abnormal status is detected.

## Magnetic Charge

### Charge Port

The charge port is specially designed to magnetically attach to the charger.



### Charging the SPECTRA Silver

1. Remove the protective cover of the Charger.
2. Attach the charging cable to the charge port of the SPECTRA Silver.
3. Connect the Charger to an indoor power source (100-240V, 50/60Hz).
4. The Taillight indicates the connecting status, while the Charger light indicates the charging status. Check the tables below for details.
5. Unplug the Charger from the socket after full-charge, then disconnect from the SPECTRA Silver.
6. Reattach the protective cover of the Charger.

Taillight	Description
— Solid Red	The charger is connected to the SPECTRA Silver.
Off	The charger is disconnected.

Charger Light	Description
— Solid Red	The SPECTRA Silver is charging.
— Solid Green	The SPECTRA Silver is fully charged.



- Always turn off the SPECTRA Silver before charging it.
  - FIRST attach the charger to the SPECTRA Silver, then connect the charger to the socket.
  - Use only with the provided charger unless otherwise specified. WALNUTT does not take any responsibility for damage caused by third-party chargers.
  - You should NOT charge the SPECTRA Silver if the temperature is not within 0~40C°.
- 



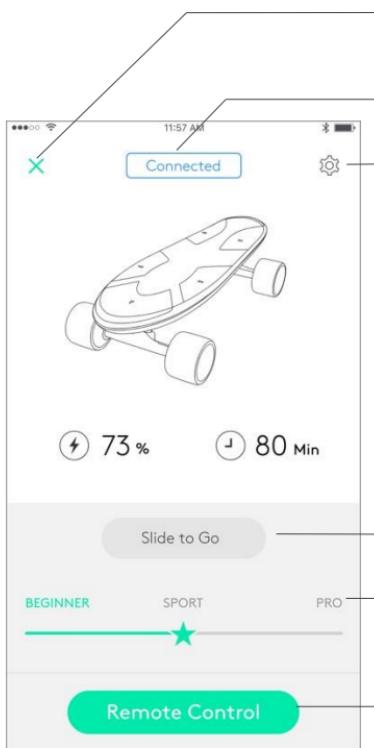
- To discharge the battery, ride the SPECTRA Silver outdoors until the Headlight turns red.
  - Disconnect the charger and attach the protective cover when not in use.
-

## eBoard Go App

The eBoard Go App is designed specifically to interact with the SPECTRA Silver and to explore the world.

## Device

On the Device page, you can configure the SPECTRA Silver and check its status.



### Close Button

Return to previous page.

### Connect Status

Connect your SPECTRA Silver via Bluetooth.

### Setting

Customize your SPECTRA Silver by changing all kinds of settings, such as braking sensitivity.

### Start Mode

Click to choose preferred way to start the SPECTRA Silver.

### Speed Mode

Slide to change the speed limits.

### Remote Control

Enter the remote control page.

## Home

On the Home page, you can browse and share your photos and videos with others.

## Discover

Find out the wonderful moments of your friends and discover the colorful sharing of SPECTRA users all over the world.

## Inbox

View all notifications, comments, or messages in the Inbox page.

## Me

View your own static information, such as total mileage and previous routes. You can also configure the App in the Me page.

## Ride and Safety

This section describes safe ride practices and cautions.

## Ride Environment Requirements

1. DO NOT use the SPECTRA Silver in severe weather conditions. These include, snow, rain, smog, heavy wind, hail, lightning, tornadoes or hurricanes.
2. Always ride at outdoor and open locations that are clear of puddles, rocks and other obstacles, otherwise you may possibly collide into objects.
3. When you are connecting the SPECTRA Silver, minimize interference by avoiding areas with high levels of electromagnetism, including high voltage lines, large scale power transmission stations or mobile base stations and broadcasting towers.
4. Motor and built-in battery performance is subjected to environmental factors such as slope and temperature. Ride ONLY in environment with temperature within -10 ~ 35 C° (14 ~ 95 F°).
5. Be very careful when riding in low temperature (<0 C°) or in uphill (> 5°), as the motor and built-in battery performance may be affected.

## Ride Limits

All the SPECTRA Silver users should abide by all regulations set forth by government and other regulatory agencies. As regulations in different regions may vary, we strongly recommend that you timely consult with local traffic authorities and note the most updated information in our official website ([www.walnutt.com](http://www.walnutt.com)) to ensure the following features are fully updated:

### Ride Area

With respect to ride areas, the SPECTRA Silver and the electric scooters or skateboards may be considered in the same category. Refer to their allowed lanes or areas to ride.

For example, in California, it has been legislated that the electric scooters or skateboards should ride on the non-motor vehicle lanes.

### Ride Speed

For safety reasons, ride speed of the SPECTRA Silver is restricted under appropriate limit by default, which helps users to ride the SPECTRA Silver safely and legally.

You also need to pay attentions to the speed limits in specific sections set by local traffic regulations.

## Pre-ride Checklist

1. Ensure the SPECTRA Silver is fully charged.
2. Ensure all the components are functioning normally.
3. Ensure there is nothing obstructing the wheels.
4. Ensure there are NO loose parts or rupture in shell.
5. Ensure the SPECTRA Silver is starting on an open, flat and level area.
6. Connect to the eBoard Go App and check that there is NO abnormality warning.

## Warnings

### Risk of Fire - No User Serviceable Parts

1. Improper operation may result in risk of losing control, collisions and fallings, which may cause fire, injury or even death.
2. To ride safely, read and follow FULL instructions and warnings in the User Manual, Disclaimer and Safety Guidelines and other documents provided.
3. NO user serviceable parts. Do not disassemble the product or replace any part of it.
4. You MUST wear helmet and other safety equipment while riding.
5. Use ONLY with the charger specified by instruction and charge the SPECTRA indoor.
6. DO NOT ride in uphill over 36% or in downhill over 25%, or cross the stairs.
7. DO NOT carry any passenger. Do not make stunt performance.
8. DO NOT ride in rainy days, or other extreme weather or environment.

## Storage and Transportation

### **WARNING**

To avoid serious injury to children and animals, please observe the following rule:

1. Small parts, such as cables, screws and hexagon socket, are dangerous if swallowed. Keep all parts out of reach of children and animals.

To avoid fire, serious injury, and property damage, please observe the following rules:

1. DO NOT leave the SPECTRA Silver or the charger near heat sources such as a furnace or heater, or inside of a vehicle on hot days.
2. DO NOT allow the SPECTRA Silver or the charger to come into contact, or become immersed in, water or other liquids. If they get wet, wipe dry with a soft, clean and absorbent cloth. DO NOT use substances containing alcohol, benzene, thinners or other flammable substances to clean or maintain the SPECTRA Silver or the charger.
3. DO NOT drop, strike, or impale the SPECTRA Silver or the charger. DO NOT place heavy objects on the SPECTRA Silver or the charger.
4. DO NOT manually short-circuit the charge port of the SPECTRA Silver, or the charger terminal.
5. Keep the SPECTRA Silver and the charger away from metal or conductive objects such as glasses, watches, jewelry, and hairpins.
6. NEVER transport the SPECTRA Silver or the charger if it is damaged or the SPECTRA Silver 's battery level is higher than 50%.

## **NOTICE**

1. Store the SPECTRA Silver and charger in a cool, dry and indoor place away from direct sunlight to ensure the built-in Li-ion battery and other electronic components DO NOT overheat. Recommended storage temperature: 22 - 28 °C (71 - 82 °F) for storage period of more than three months. NEVER store in environments outside the temperature range of -15 - 45 °C (5 - 113 °F).
2. Discharge the SPECTRA Silver's battery level to 40% - 65% if it will not be used for 10 days or more. This can greatly extend the built-in battery life.
3. NEVER long-time store the SPECTRA Silver after depleting the battery. This will over-discharge the built-in battery and damage the battery cells, and the built-in battery could not be reinstated.
4. Turn off the SPECTRA Silver when stored for an extended period.

## Travel Notice

### **WARNING**

**To avoid fire, serious injury, and property damage, please observe the following rules:**

1. Before carrying the SPECTRA Silver on an airline flight, it must first be fully discharged below 5% battery level. This can be done by riding your SPECTRA Silver outdoors.
2. Store the SPECTRA Silver in a ventilated, dry and cool location.

## **NOTICE**

1. Although the SPECTRA Silver and its built-in battery have air transport certificate to authenticate their safety, you are still recommended to consult the airline of your flight in advance, especially the international flight, as the regulations of airlines may differ in specific flights, periods or context.

## Maintenance and Upkeep

### **WARNING**

**To avoid fire, serious injury, and property damage, please observe the following rules:**

1. NEVER ride, charge or store the SPECTRA Silver when the temperature is too high or too low.

2. NEVER store the SPECTRA Silver or charger in environment with a temperature higher than 60 °C (140 °F).

## **NOTICE**

1. Check every part of the SPECTRA Silver after any crash or violent impact. If you have any problems or questions, please contact WALNUTT or a WALNUTT authorized dealer or designated service provider for further assistance.
2. Regularly check the battery level by the Headlight of the SPECTRA Silver or by the app.
3. NEVER over-discharge the SPECTRA Silver or deplete the built-in battery, as this may lead to battery cell damage.
4. The built-in battery life may be reduced if not used for a long time.

## **Disposal**

## **WARNING**

**To avoid fire, serious injury, and property damage, please observe the following rules:**

1. DO NOT place the SPECTRA Silver in regular trash containers. Strictly follow your local regulations regarding the disposal and recycling of batteries and other components.
2. Dispose the SPECTRA Silver only after a complete discharge and turn off it. DO NOT disassemble the SPECTRA Silver.
3. If the power on/off button on the SPECTRA Silver is disabled and the built-in battery can not be fully discharged or turned off, please contact a professional battery disposal/recycling agent for further assistance.

# FAQ

## Why does the SPECTRA Silver stand out from all the others?

The SPECTRA Silver is stunning because of its unique material and original design, intuitive thanks to the revolutionary control method, full-range safe based on thoughtful consideration and protections, and extremely portable within amazingly small size and light weight.

## Do I need a remote controller?

No. The SPECTRA Silver knows your body postures and moves along with them. When you shift your weight forward, it speeds up; and when you shift your weight backward, it slows down.

You can also use the eBoard Go app to interact with, configure and lock the SPECTRA Silver.

## Why does the SPECTRA Silver have a magnalium unibody?

The Magnalium body come with not just a light weight but also provides strong corrosion resistance and physical strength, and is integrated to a one-shaped body, presenting no additional holes or slits but only the artistic textures and the streamlined exterior.

## Is the SPECTRA Silver safe?

We put your safety in the first place from design to manufacturing. Whether the SPECTRA Silver or its built-in battery has adopted rigorous testing and qualified for various safety certifications.

To ensure safety, whenever you jump off the SPECTRA Silver, it stops instantly. Meanwhile, to prevent any error or malfunction, the SPECTRA Silver tests its system and components, and warns you immediately in case of any abnormality detected.

## How do I learn to ride the SPECTRA Silver?

An interactive ride tutorial is provided for you to get started with the SPECTRA Silver. It usually takes only 5 minutes to go through all the process and handle the ride skills. You are also recommended to watch the tutorials videos on our website.

## How does the SPECTRA Silver turn?

The SPECTRA Silver applies different speeds on both wheels to make turns. For example, the right motor runs faster to turn left. The truck also rotates the front and rear axles in different directions to enhance the steering.

### **How does the SPECTRA Silver brake?**

The SPECTRA Silver uses both front motors and rear drum brakes to automatically brake according to your posture and speed. You can also lift front heels to make it decelerate. All braking forces are regulated intelligently to ensure safety and smoothness.

### **How fast and how far could the SPECTRA Silver travel?**

The SPECTRA Silver could run up to 35 km/h, and is designed to travel as far as 18-25 km. Since the built-in battery and motor performance is subjected to environmental factors, the actual speed and range may vary.

### **Can the SPECTRA Silver run on ramps?**

The SPECTRA Silver integrates attitude sensor to detect the ground slope and accordingly adjust the motor outputs. It accelerates in uphill or brakes in downhill to let you feel riding on the ground. But for safety, you should avoid riding on slopes exceeding limits (>36% uphill or >25% downhill).

### **Can I take the SPECTRA Silver on the plane?**

According to civil aviation authority regulations, electronic device with lithium-ion battery whose capacity is below 100 Wh can be placed in the carry-on luggage. Thus the SPECTRA Silver is in principle eligible for boarding since its capacity is 88.8 Wh. In addition, the SPECTRA Silver and its built-in battery also have air transport certificate to authenticate their safety.

Since the regulations of airlines may differ in specific flights, periods or context, we recommend you to consult the airline of your flight in advance, especially the international flight.

# Appendix

## Specifications

Model	<b>Silver</b>
Weight	8.7 kg (19.2 lbs.)
4WD Brake	✓
No. of Motor	4
Rated Power	200 W × 4 (0.27 hp)
Max. Slope *	36% uphill, 25% downhill
Size	61.6 × 28.0 × 14.0 cm (24.3 × 11 × 5.5 in)
Range *	Approx. 18 ~ 25 km (11.2 ~ 15.5 miles)
Wheel	Diameter Approx. 80 mm (3.15 in)
Max. Speed *	Approx. 35 km/h (21.7 mile/h)
Battery	36 V, 5000 mAh, 180 Wh
Operation Temp.	-10 ~ 35 C° (14 ~ 95 F°)
Max. Load	85 kg (187 lbs.)

\* Actual Max. Slope, Max. Speed, and Range may vary depending on load bearing, ambient temperature, road conditions and other environmental factors.

## Charger

Model **	FY-2522000
Input	100 ~ 240 Vac, 50/60 Hz
Output	42 Vdc, 2A
Charging Time **	Approx. 90 ~ 120 min.
Charging Temp.	0 ~ 40 C° (32 ~ 104 F°)
UL File No.	E350715
Manufacturer	Shenzhen Fuyuandian Power Co., Ltd

\*\* Use only with the charger provided here unless otherwise specified by the WALNUTT. Actual charging time may vary depending on ambient temperature, charging efficiency and other factors.

## After-Sales Information

Visit the following pages to learn more about After-sales policy and warranty information:

1. After-sales: Policy: <https://www.walnutt.com/support>
2. Refund Policy: <https://www.walnutt.com/support>
3. Paid Repair Service: <https://www.walnutt.com/support>
4. Warranty Service: <https://www.walnutt.com/support>

## Safety Certificates

Your safety is our priority. Whether the SPECTRA Silver or its built-in battery has adopted rigorous testing and qualified for various safety certifications.

### Testing

The SPECTRA Silver's safety has been authenticated by testing in qualified laboratories, such as electrical testing, EMC testing, mechanical testing, radio equipment testing and environmental testing, etc.

### Certificates

The SPECTRA Silver, as well as the built-in battery, possesses certificates of major safety standards, including CE and FCC, etc. Their chemical compositions have also been recognized as safe and harmless in the light of provisions in RoHS 2.0 and MDSR.

In addition, they also have marine and air transport safety certificates based on UN38.3.

### FCC Notice

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.

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

**CE FCC RoHS UN38.3**





This content is subject to change.

Download the latest version from

[www.walnutt.com/support](http://www.walnutt.com/support)

If you have any questions about this document, please contact Walnut Tech by sending a message to [support@walnuttech.co](mailto:support@walnuttech.co)

**WALNUTT™** and **SPECTRA™** are trademarks of Walnut Tech.

Copyright © 2018 Walnut Tech. All Rights Reserved.