



AWESOME WHEELS

SAFETY INSTRUCTION MANUAL

WARNING! IMPROPER USE OF THIS AWESOME WHEELS PRODUCT AND/OR FAILURE
TO READ THIS SAFETY INSTRUCTION MANUAL MAY LEAD TO SERIOUS BODILY
INJURY AND/OR DEATH

Congratulations on the purchase of your new **SEGGi** by AWESOME WHEELS !

**PLEASE READ SAFETY INSTRUCTION MANUAL
THOROUGHLY BEFORE OPERATING**

You can find demonstration videos at
WWW.AWESOMEWHEELS.COM.AU

It is highly recommended to start your first Awesome Wheels experience with a friend. Having a spotter during initial use will increase your confidence and help you become acclimated to your SEGGi. Always wear the proper safety gear before operating.

PLEASE NOTICE:

- The original Awesome Wheels product is an Intelligent Personal Mobility Device.
- Before riding, please read the Safety Instruction Manual carefully, and follow all Safety Precautions.
- Improper use of this product can lead to property damage, serious bodily injury, and/or death.
- The information in this Safety Instruction Manual will help you better understand, enjoy and maintain your SEGGi.

For more information or questions, please contact:

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Table of Contents

1. Product Overview	
1.1 General Information	4
1.2 What You Need To Know	4
1.3 WARNING	4
2. Product Description	
2.1 SEGGi Description	5
2.2 SEGGi Components	5
3. Operating Principles	
3.1 How SEGGi works	6
3.2 Read the following instructions carefully	6-11
STEP 1: Getting Started	6
STEP 2: Checking the Display Board	6-7
STEP 3: Charging your SEGGi	7
STEP 4: Safety Gear	7
STEP 5: Stepping On	8
STEP 6: Staying Balanced	9
STEP 7: Riding your SEGGi	10
STEP 8: The Dismount	11
4. Safety Precautions – MUST READ	12-14
5. Weight and Speed Limitations	15
6. Operating Range	15
7. Battery Information and Specifications	16-17
8. Charging your SEGGi	18
9. Safety Alerts	19
10. Inspection, Maintenance and Storage	20
11. SEGGi Specifications and Packing List	21

1. PRODUCT OVERVIEW

1.1 General Information

The original AWESOME WHEELS product is an Intelligent Personal Mobility Device. This device is an intuitive, technologically advanced solution that provides the user personal transportation based on dynamic balancing principles calculating the user's center of gravity using gyroscope and acceleration sensors. Using the latest technology and production processes, each SEGgi undergoes strict testing for quality and durability.

1.2 What You Need To Know

Before you first experience your SEGgi, please read the SAFETY INSTRUCTION MANUAL thoroughly and learn the basics to ensure your safety and the safety of others. It is highly recommended that your initial SEGgi experience be with a spotter who can assist you in centering your balance. Once you keep your center of gravity even, you will be able to stand on the SEGgi without moving, similar to standing on the ground. The most important thing to do is stay relaxed and confident. This product is intuitive and senses the slightest motion; so finding your center of balance is key. Step on quickly, confidently, and evenly, but remember to keep your body relaxed. Try and refrain from flailing your arms, leaning too far forward and/or backwards, or stepping on your SEGgi unevenly, as this will cause you to lose control and increase your probability of injury.

1.3 **WARNING**

Failure to follow the basic instructions and safety precautions listed here can lead to damage to your AW-1 or AW-2, other property damage, serious injury and even death. Please refer to section 5.

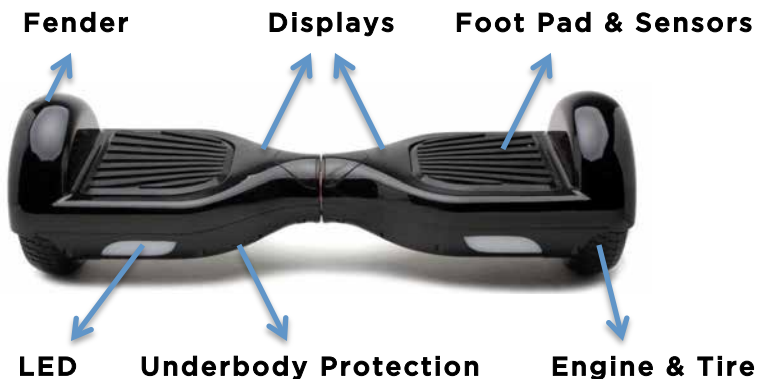
2. PRODUCT DESCRIPTION

2.1 SEGGi Description

The SEGGi is a technologically advanced Personal Mobility Device. It has two wheels that balance and transport the user using battery powered brushless motors. It uses digital gyroscope modules and acceleration sensors to calculate the user's center of gravity and move the device accordingly. The SEGGi can move forwards, backwards, turn in either direction or turn in place. The compact footprint and zero degree turning radius allow you to enjoy your device both indoors and outdoors.



2.2 SEGGi Components



3. OPERATING PRINCIPALS

3.1 How SEGGi works

The SEGGi uses digital electronic gyroscopes and acceleration sensors to control balance and motion intelligently, depending on the user's center of gravity. The device also uses an intelligent control system to drive the brushless motors that are located within the wheels. The AW-1 / AW-2 has a built-in inertia dynamic stabilization system that can help assist with balance when moving forward and backwards, but not while turning.

TIP: To increase your stability, you must shift your weight in order to overcome the centrifugal force during turns, especially when entering a turn at higher speeds.

3.2 Please Read the Following Instructions Carefully

Step 1: Getting Started - Take your AW-1 or AW-2 out of the box and place it flat on the floor. Press and hold the power button, located on the front of your device, next to the 3-pin charging port. You will hear an alert.

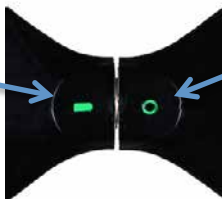
Power Button



Step 2: Checking the Display Board - located in the center of your SEGGi, the battery indicator light should be lit, indicating there is power to the device.

Battery

Indicator (A)



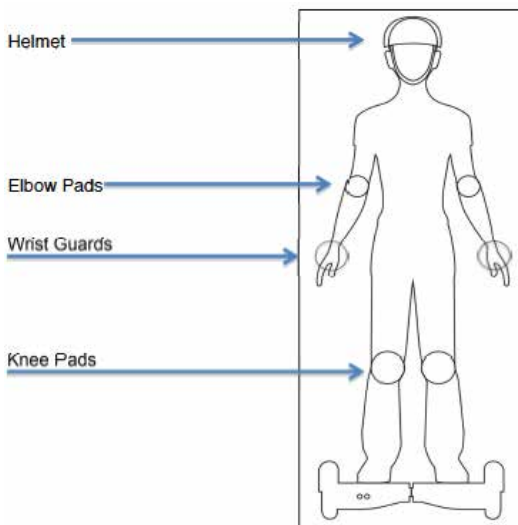
Running

Indicator (B)

- A. **Battery Indicator:** The GREEN LED light indicates that your device is charged >50%. The YELLOW LED light indicates the power is > 30 %. The RED LED light indicates the power is down to >20% . At 10% or below, an alarm will sound, please recharge the device at this stage.
- B. **Running Indicator:** When the operator triggers the rubber foot mats, the Indicator LED will light up, which means that the system enters the running state. When the system has an error during operation, the running LED lights will turn RED

Step 3: Charging your SEGgi - Make sure your device is fully charged before your initial use. For charging instructions, please follow details in Section 8 under Battery and Charging Specifications.

Step 4: Safety Gear - Wear all proper safety gear, including, but not limited to an approved helmet, knee pads, and wrist guards.



Step 5: Stepping On - Stand directly behind your SEGGi.

Place one foot on the rubber foot mat (as described below).



Place one foot here

Keep all weight on the back of your foot.

Your other foot still on the ground, for balance.

Otherwise, your device will begin to move, making it difficult to step on evenly with your other foot.

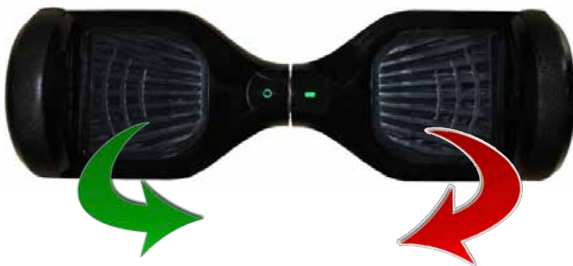
When you are ready, shift your weight to the foot already placed on the device and step on with your second foot quickly and evenly (as described in the diagram below).



TIP: Stay relaxed and step on quickly, confidently and evenly 1-2. Many people overthink this step; imagine climbing a stair, one foot, and then the other. Once your feet are even, try to look up.

Step 6: Staying Balanced - Find your center of gravity. If your weight is distributed correctly on the foot mats, and your center of gravity is level, you should be able to stand on your SEGGi, just as if you were standing on the ground. IF NOT, you may feel like you are moving in a particular direction, turning, spinning in place, wobbling back and forth, or simply uncomfortable with the device.

If you begin to turn in a particular direction, focus on turning in the opposite direction to stop turning.

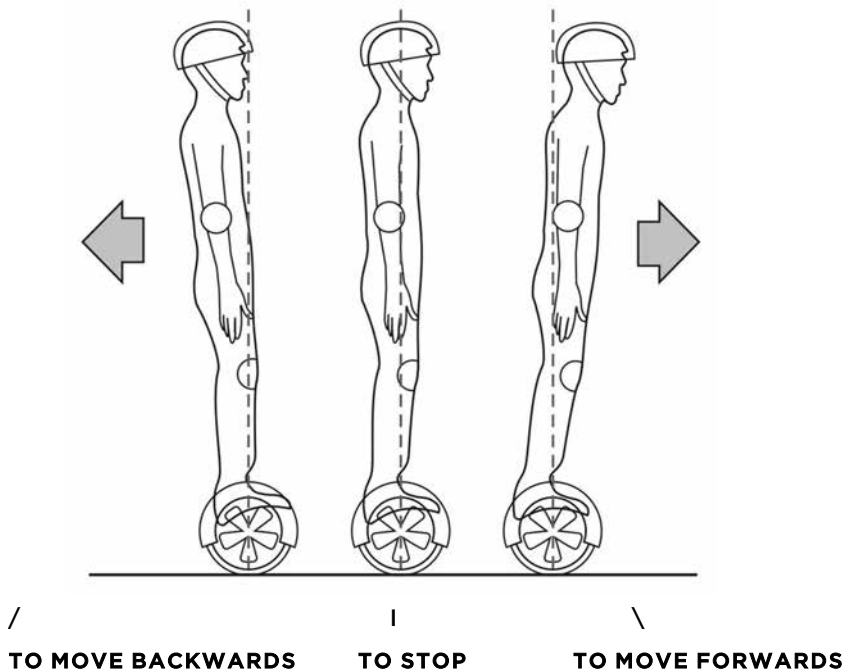


NOTE: On average, it takes 3-5 minutes just to get comfortable standing on the SEGGi and maintaining proper balance. Having a spotter will help you feel more secure. The SEGGi is an incredibly intuitive device it senses even the slightest bit of motion, so having any anxiety or reservation about stepping on may cause you to panic and trigger movement that is not otherwise natural to you. The best way to overcome that initial anxiety is by having a spotter.

When you first begin using your SEGGi, the fastest way to move in your desired direction is to focus in that direction. You will notice that just thinking about which way you would like to go will shift your center of gravity, and that subtle movement will propel you in that direction.

TIP – Stay relaxed, stand evenly, and apply an equal amount of pressure on both sides of the device. Relax your muscles as much as you can. Taking a deep breath and exhaling can help you achieve this. Slightly bending your knees can also help. Once you can stand IDLE and STOP, you are ready for the next step.

Step 7: Riding your SEGGi - Keeping in mind what we learned in Step 6, apply the following general principles to the operation of your SEGGi.



Notice in the diagram above, your center of gravity determines which direction you move, accelerate, decelerate, and come to a complete stop.

TIP - Try staying relaxed and focus on finding your center of gravity to maintain full control. Tilt your center of gravity in the direction you wish to move. To turn, focus on the direction you wish to turn and stay relaxed. The more comfortable you get on your SEGGi, the easier you will maneuver. Remember at higher speeds, it is necessary to shift your weight to overcome the centrifugal force. For bumps or uneven roads, bend your knees.

Step 8: The Dismount - Stepping off of the SEGGi can be one of the easiest steps, yet when done improperly, may cause you to fall. To properly dismount, from a stopped position, lift one leg up and set your foot back down on the ground (STEPPING BACK). Then step off completely.

NOTE: A common error is to try and step forward.



TIP - make sure to lift your leg completely off to clear the device when stepping back, otherwise you can get sent into a tailspin.

4. SAFETY PRECAUTIONS - MUST READ



FAILURE TO FOLLOW ANY OF THE FOLLOWING SAFETY PRECAUTIONS CAN AND MAY LEAD TO DAMAGE TO YOUR AW-1 OR AW-2, VOID YOUR MANUFACTURER WARRANTY, LEAD TO PROPERTY DAMAGE, CAUSE SERIOUS BODILY INJURY, AND CAN LEAD TO DEATH.

1. Do not allow the battery to become flat while riding your SEGGi. It is highly recommended that your SEGGi be recharged when the battery indicator is at less than 10% as indicated by the beeping sound. The board will become unstable and may lead to injury.
2. Please wear all appropriate safety and protective gear as previously mentioned in the User Manual (Section 3) before operating your SEGGi.
3. Make sure to wear comfortable clothes and flat closed toe shoes when operating your SEGGi.
4. Please carefully read the Safety Instruction Manual, which will assist in explaining the basic working principles and provide tips on how to best enjoy your experience.
5. Before stepping on your SEGGi, make sure it is placed flat on level ground, the power is on, and the running indicator light is green. Do not step on if the running indicator is red.
6. Do not try to open or modify your AW-1 or AW-2 as doing so will void your manufacturer warranty. This may also cause electric shock and could lead to serious injury and/or death.
7. Do not use the SEGGi to place yourself or anyone else and their property in danger.
8. Do not operate your SEGGi while under the influence of drugs and/or alcohol.
9. Do not operate your SEGGi when you are restless or sleepy.
10. Use your best judgment to keep yourself out of dangerous situations when using your SEGGi.

11. Do not ride your SEGGi off of curbs, ramps, or attempt to operate in a skate park, empty pool, or in any way similar to a skateboard or scooter. This product IS NOT A SKATEBOARD.
12. Do not turn sharply, especially at high speeds.
13. Do not continuously spin in place, it will cause dizziness and you will fall and injure yourself.
14. Do not abuse your device, doing so can damage your unit and cause failure to the operating system leading to injury.
15. Do not ride in or near puddles of water, in or near pools or large bodies of water, mud, sand, stones, gravel, debris or near rough and rugged terrain.
16. Your SEGGi should be used on flat surfaces. If you encounter uneven surfaces, please lift your SEGGi over and past the obstruction.
17. Do not ride in inclement weather: snow, rain, hail, sleet, on icy roads or in extreme heat.
18. For bumps and uneven pavement- bend your knees when riding to absorb the shock and vibration and help you keep your balance. If you are unsure if you can safely ride on a specific terrain, step off and carry your device.
ALWAYS USE CAUTION.
19. Do not attempt to ride over bumps or objects greater than $\frac{1}{2}$ inch even when prepared and bending your knees.
20. PAY ATTENTION- Look at where you are riding and be cognoscente of the road conditions, people, places, property and objects around you.
21. Do not operate your SEGGi in crowded areas.
22. Only operate your SEGGi with extreme caution when indoors, especially around people, property, and narrow spaces like doorways and other narrow spaces.
23. Operate your SEGGi with extreme consideration for people and property at all times.
24. Do not ride your device where it is not permitted. Do not ride your device near motor vehicles or on public roads. Do not climb or travel down steep hills with your device.
25. This product is intended for use by a single individual, DO NOT attempt to operate the SEGGi with two or more people, simultaneously.

26. Do not carry anything while riding the SEGGi.
27. Individuals with lack of balance should not attempt to operate this product.
28. Do not operate your SEGGi while talking, texting, or looking at your phone.
29. Women who are pregnant or who may become pregnant should not operate this product.
30. Young children and the elderly should not operate this product without proper instruction and supervision from a responsible spotter.
31. At higher speeds, always take into consideration longer stopping distances.
32. DO NOT step forward off of your SEGGi.
33. Do not attempt to jump on or off your SEGGi or perform any stunts or tricks.
34. Do not ride the your SEGGi in the dark or poorly lit areas.
35. Do not ride your SEGGi near or over potholes, cracks or uneven pavement. Do not operate your device off-road.
36. Keep in mind that you are 4.3in. (11cm) taller when operating the device. Make sure to go through doorways safely.
37. Do not exceed the maximum or minimum weight limits.
38. Do not step on the fenders of your SEGGi.
39. Avoid driving your SEGGi in unsafe places, including near areas with flammable gas, steam, liquid, dust or fiber which could cause fire and explosion accidents.
- 40. Follow all of the state, local, and federal laws in your respective jurisdiction regarding operation of the AW-1 or AW-2 or similar products.**

If you have any questions and/or concerns, or if you would like more information on safety tips, please feel free to contact the AWESOME WHEELS Team and visit our website for more information and tips on how to best enjoy your experience.

www.awesomewheels.com.au

5. WEIGHT AND SPEED LIMITATIONS

NOTE - Speed and weight limits are set for your own safety. Please do not exceed the limits listed here.

Recommended Weight Restrictions

- **Minimum Weight:** 20kg
- **Maximum Weight:** 100 kg

Speed Limits

Maximum Recommended Speed is approximately 12 km/h

To prevent injury, when top speed is reached, a speed warning alarm will sound, tilt back to reduce speed.

6. OPERATING RANGE

NOTE - AW-1 / AW-2 can travel a distance 15 kms on a fully charged battery in ideal conditions.

- **Terrain:** A smooth, flat surface will increase your driving distance. Rough or uneven terrain will reduce your distance significantly.
- **Weight:** The weight of the user can affect driving distance, a lighter user will have further range than a heavier user.
- **Ambient temperature:** Please ride and store your device under recommended temperatures, which will increase driving distance; battery life and overall performance.
- **Maintenance:** Reasonable battery charging and maintenance will increase the distance. Overcharging the battery can reduce range.
- **Speed and Driving Style:** Maintaining a moderate speed will increase your distance. Traveling at high speeds for extended periods, frequent starts & stops, idling and frequent acceleration and deceleration will reduce your overall distance.

7. BATTERY INFO AND SPECIFICATIONS

This section is intended to provide you basic information about your battery and charger. Please read this section carefully to ensure your safety, prolong battery life and battery performance.

Battery Power

Battery Indicator: The GREEN LED light indicates that your device is charged >50%. The YELLOW LED light indicates the power is > 30 %. The RED LED light indicates the power is down to >20% . At 10% or below, an alarm will sound, , please recharge the device at this stage.

PLEASE STOP RIDING YOUR DEVICE when this alarm sounds

If the battery goes completely dead –the device will become unstable & could cause bodily injury) Charge your battery 2-3 hours utilizing the charger that you received in your AWESOME WHEELS package. To fully recharge your battery please follow the instructions under Charging your SEGGi.

Battery Specifications

CONTENT	PARAMETERS
Battery	Lithium Battery
Charging Time	2 - 3 hours
Voltage	36V
Initial Capacity	2 - 4 hours
Working Temperature	-15°C ~50°C
Charging Temperature	-0°C ~40°C

Battery Warning

Failure to follow the Safety Precautions listed here could lead to serious bodily injury and death. Seek immediate medical attention if you are exposed to any substance that is emitted from the battery.

- Do not attempt to modify, change, or replace your battery.
- Do not use your device if the battery begins to emit odor, overheats, or begins to leak.
- Do not touch any leaking materials, or breathe fumes emitted.
- Do not allow children and animals to touch the battery.
- The battery contains dangerous substances, do not open the battery, or insert anything into the battery.
- Please only use the charger provided by AWESOME WHEELS.
- Do not attempt to charge your device if the battery has discharged or emitted any substances. In that case, the battery should be abandoned for safety.
- Please follow all local, state and federal laws in regards to recycling, handling and disposing of Lithium Ion batteries.
- The AWESOME WHEELS product should only be shipped in its original packaging.

8. CHARGING YOUR SEGGI

Step 1: Ensure that the charging port is clean and dry. Make sure that there is no dust, debris or dirt inside the charging port.

Step 2: Plug the charger into the wall, then connect the cable with the power supply (100V ~ 240V; 50, 60 Hz), make sure the light on the charger is lit GREEN.

Step 3: Connect the charging cable into the charging port of the your SEGGi. The indicator light on the charger should change to RED, indicating that your SEGGi is now being charged. When the RED indicator light on your charger turns to GREEN, then your SEGGi is fully charged. A full charge typically occurs within 2-3 hours.

Step 4: Please unplug the charger from your SEGGi and from the power outlet.

Important Notes About Charging

- If the GREEN light on your charger does not turn RED when you plug it into your device, it could mean you have to check the cables to ensure you have a proper connection; or that your device is already fully charged. Push and hold your power button next to the charging port to check the status of your battery in the display.
- Do not overcharge, as this will affect the life of the battery.
- The best charging temperatures are between 0°C - 40°C. Extreme cold and extreme heat will prevent your battery from charging fully.
- Make sure to unplug your charger before standing on or operating your SEGGi, as this can be very dangerous.
- Use only the AWESOME WHEELS charger that you received in your box.
- If the device is powered on when you enter the plug, the battery indicator will begin blinking, if the device is powered off when you enter the plug, the battery indicator will not blink.

NOTE - Only the indicator light on the charger will tell you the status of the battery during charging.

9. SAFETY ALERTS

During operation, if there is a system error or illegal operation performed with your device, the system cannot enter self-balancing mode, so the device will prompt the user in a variety of ways. You will notice the running indicator light will turn RED and you will hear a beep sound alerting you to take precaution and cease operation. The following are common occurrences where you will hear the Safety Alerts; these notices should not be ignored, but appropriate action be taken to correct any illegal operation, failure or errors.

- Prohibited riding surfaces (uneven, too steep, unsafe, etc.)
- When you step on your SEGGi, if the platform is tilted more than 10 degrees forward or backward.
- Battery voltage is too low.
- The device is still charging.
- During operation, the platform self initiates to tilt due to excess speed.
- Overheating, motor temperature is too high.
- The device has been rocking back and forth over 30 seconds.
- System enters protection mode, the alarm indicator will light up and buzzer will alarm (this typically occurs when the battery is about to die).
- If the platform is tilted forward or backward more than 35 degrees, the device will power off.
- If the tire is blocked, the device will stop after 2 seconds.
- When the battery level has depleted below protection mode, the engine will power off after 15 seconds.

While sustaining a high discharge current during operation (such as driving up a steep slope for a long period of time), the SEGGi engine will power off after 15 seconds.

10. INSPECTIONS, MAINTENANCE & STORAGE

Your AWESOME WHEELS product requires routine inspection and maintenance. This **section** describes maintenance steps and important operating tips. Before you perform the following operations, ensure the power and charging cable is disconnected.

Inspecting & Cleaning your SEGGi

- Disconnect the charger and turn off your device
- Routinely check the body of your device and tires for damage or excessive wear.
- Avoid using water or other liquids and cleaners on the AW-1 or AW-2 for cleaning. The AW-1 & AW-2 is IP 54 rated. It can withstand a light splash of water, however if water or other liquids seep into the device, it will cause permanent damage to the internal electronics.
- Wet a clean cloth with clean soapy water, rinse the cloth thoroughly, and wipe the body of the SEGGi making sure that water does not get into the power button, charging port, the foot mats, or tires.

Storing your SEGGi

- Fully charge your battery before storing. If you are storing your device for an extended period of time, please fully charge it at least once every three months.
- If the ambient temperature of the storage location is below 0°C please do not charge. You must bring the device into a warmer environment before charging. Refer to Battery Information & Specifications for more details.
- To prevent dust from getting into your device, try wrapping it or sealing it with its original packaging.
- Store your device indoors, in a dry & suitable temperature.

NOTE – Users who disassemble their AWESOME WHEELS product will forfeit their warranty

11. SPECIFICATIONS & PACKING LIST

STYLE	PARAMETERS
Net Weight	10 kg
Recommended Load	20 - 100 kg
Maximum Speed Limit	10 km/h
Range	Approx. 15 km
Maximum Climbing Speed	15°
Turning Radius	0°
Battery	Lithium-ion
Power Requirement	AC100-240V/50-60 HZ
Dimensions AW-1	584L x 186W x 178H mm
Dimensions AW-2	584 L x 230W x 180H mm
Ground Clearance	30 mm
Platform Height	AW-1 /110mm AW-2 / 120mm
Tire	Solid Rubber
Battery Voltage	36V
Battery Capacity	4.4 AH

Packing List

PRODUCT NAME	QTY
AW-1 or AW-2	1
Charger	1
Safety Instruction Manual	1
Warranty Card	1

Thank you for purchasing your SEGGi and taking the time to read this Safety Instruction Manual. We hope that this information will help you safely operate, maintain and enjoy your AW-1 or AW-2 for years to come. – AW Team