

Welcome to Spin's S-100T electric scooter, hereafter referred to as S-100T! S-100T is designed specifically and exclusively for rental as a shared e-scooter.	1
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Welcome to Spin's S-100T electric scooter, hereafter referred to as S-100T! S-100T is designed for rental as a shared e-scooter. This manual will highlight some of S-100T's many features. Let's take it for a Spin!

Riding Safety

1. S-100T is a recreational product. As with any vehicle or mobility product, practice is required to master riding skills. Spin is not responsible for any injuries or damage caused by a rider's inexperience or failure to follow the instructions in this document.
2. 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 S-100T, you risk injury 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 low traction surfaces could lead to wheel slip, 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.
3. 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.
4. Do not attempt your first ride in any area where you might encounter children, pedestrians, pets, vehicles, bicycles, or other obstacles and potential hazards.

5. Follow all local regulations related to sidewalk riding, riding in bike lanes, and riding in no ride zones or slow ride zones.
6. If you do encounter a pedestrian while riding in a legal riding area, respect pedestrians by always yielding the right of way. Pass on the left whenever possible. If approaching a pedestrian from the front, stay to the right and slow down. Avoid startling pedestrians. When approaching from behind, announce yourself and slow down to walking speed when passing. Please obey local traffic laws and regulations if the situation is different.
7. In the absence of local regulation, comply with the safety guidelines outlined in this manual. Spin is not responsible for any property damage, personal injury/death, accidents, or legal disputes caused by violations of the safety instructions.
8. Do not allow other riders to rent S-100T using your account, and do not ride with another rider on the same scooter.
9. Follow all instructions provided to you by S-100T during the ride. If S-100T tells you that you're in a no ride zone, move to an area where you can legally ride. If S-100T presents an error code or a fault or error message, end your ride and complete your ride on another nearby Spin scooter.
10. Be alert! Scan both far ahead and in front of your S-100T — your eyes are your best tool for safely avoiding obstacles and low traction surfaces (including, but not limited to, wet ground, loose sand, loose gravel, and ice).
11. Do not attempt to ride at an unsafe speed.
12. Do not ride if the road or environmental conditions are unsafe.
13. Do not ride if you are under the age of 18 years old.
14. To reduce risk of injury, you must read and follow all “CAUTION” and “WARNING” notices in this document. Always follow these safety instructions:
 - a. People who should not ride the S-100T include:
 - i. Anyone under the influence of alcohol or drugs.
 - ii. Anyone who suffers from disease that puts them at risk if they engage in strenuous physical activity.
 - iii. Anyone who has problems with balance or with motor skills that would interfere with their ability to maintain balance.
 - iv. Anyone whose weight is outside the stated limits (see Specifications).
 - v. Pregnant women.
 - 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.
15. Do not attempt to charge S-100T if it, the charger, or the power outlet is wet.
16. As with any electronic device, use a surge protector when charging to help protect S-100T from damage due to power surges and voltage spikes. Only use the Spin supplied charger. Do not use a charger from any other different product models.

17. Use only Spin approved parts and accessories, and follow the standard Spin operating procedures. Do not modify S-100T. Modifications to S-100T could interfere with its operation and could result in serious injury and/or damage.
18. Children should not play with the S-100T or parts of it nor should cleaning or maintenance be done by children. The use of the machine results in the transmission of vibrations throughout the rider's body.
19. Always park S-100T on a flat and stable surface, with the kickstand enabled. Never place S-100T with the front facing down the slope, as the kickstand may close and tip the machine. Once the S-100T is parked, enable the kickstand and check its stability to avoid any risk of falling (by slip, wind or slight jolt). Do not park the S-100T in a busy area, but rather at a bike rack, designated parking area, or against a wall away from pedestrian traffic. Do not ever park S-100T in a way that blocks pedestrian traffic or accessibility entryways or exits. Do not ever block points of egress from a building.
20. S-100T is not designed to be maintained by riders who rent S-100T.
21. Riders who rent S-100T should not attempt to change, remove, or charge the battery.
22. Riders who rent S-100T should not touch the brake system, or attempt to disassemble the scooter in any way.
23. The A-weighted emission sound pressure level is less than 70 dB(A). The mechanical vibrations transmitted by the S-100T are less than 2,5 m/s².

Packaging List

- S-100T
- Charger with power cord

Diagram

Specifications

1. Triple braking system: Front drum brake, rear stomp brake, and regenerative braking
2. Headlight: Visible from 600 ft. away & status light
3. Warning bell
4. Throttle
5. 360° animated light ring for scooter status, speedometer, battery level and proper parking indicators, slow zone/no ride zone alerts, maintenance code notification
6. QR code, Internet-of-Things, GPS device, Spin customer support & ride instruction
7. Modular app-controlled cable lock
8. Spin logo
9. Spin customer support & ride instructions (standard and, upon request, braille)
10. Tires: 10" pneumatic & puncture-resistant
11. Unique identification number
12. Dual kickstand
13. Platform: L21" x W7"
14. UL2271-certified long-range swappable battery: Up to 37 miles in range
15. Rear stomp brake with extra large integrated 270° tail light visible from 600 ft. away
16. Full dimensions: L46" x W19" x H46"
17. Weight: 62 lbs.
18. Dual side front and rear reflectors: Visible from 600 ft. away
19. Motor: 500 watts





Charging





Charging step tips:

1. Open the charge port cover
2. Insert the charge plug, enclosed.
3. Close the charge port when finished.

WARNING

Do not charge if the charge port or battery charger is wet.

Do not charge or use your battery if it is damaged or if you see traces of water.

Close the charge port cover when not charging.

Do not attempt to charge with any charger other than the enclosed charger.

S-100T is fully charged with the light ring around the vehicle display blinks green and shows a green checkmark.

Replace the battery

Note: the battery is only to be replaced by trained Spin personnel.

Part One: Remove the existing battery.

1. Remove the battery cover.

WARNING: Before proceeding, verify the charger is not connected and the battery LEDs are off.

If the battery LEDs are on, please contact Spin support. Disconnecting the battery while LIVE may cause damages.

2. Disconnect the battery by rotating the connector arms counterclockwise and lifting the connector up straight. Lifting up straight will minimize the risk for damaging the electronics.
3. Grab onto the battery handle and lift the battery out.

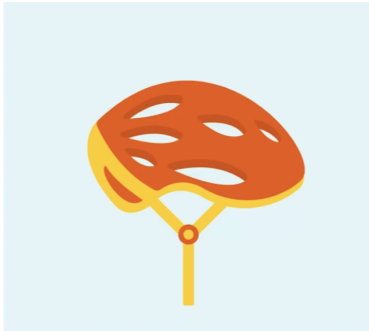
Part Two: Install a new battery.

1. Place the battery into the chassis. Only use a battery provided by Spin and designed for S-100T. Do not attempt to use a battery designed for another vehicle.

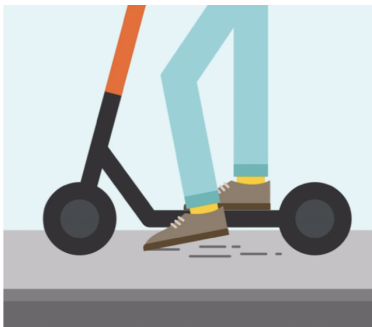
WARNING: Before proceeding, Verify the charger is not connected and the battery LEDs are off. If the battery LEDs are on, give the battery a few seconds for it to turn off. Do not connect the battery while live.

2. Reconnect the battery by placing the connector straight in until it snaps into place.
3. Install the battery cover.

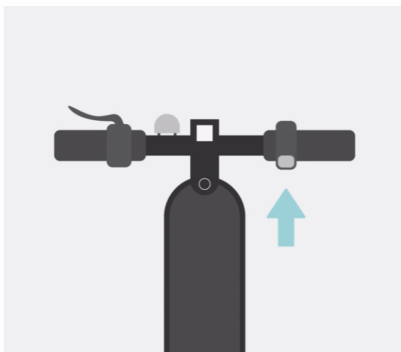
Learning to Ride



1. **Ride Safe.** Always wear a helmet. Only one person should ride per scooter. Stay alert and never ride intoxicated. Rider must be 18 years or older to ride. Never ride on someone else's account.



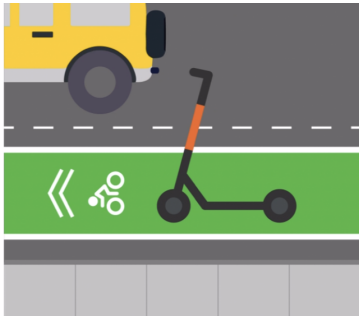
2. **Kicking off.** To start riding, place both hands on the scooter handlebars. Put one foot in the middle of the footboard. Make sure the space ahead of you is free of obstructions, then give a few kicks with your free foot to get the scooter moving.



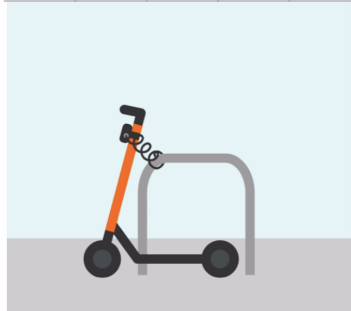
3. **Throttle and Brakes.** Once the scooter is moving, gently press the throttle lever to accelerate. Use the brake lever to slow down and stop. You can also brake by stepping down on the stomp brake at the back of the footbed. Test both the brakes and throttle when you first start your ride. To turn, shift your body and turn the handlebars slightly.



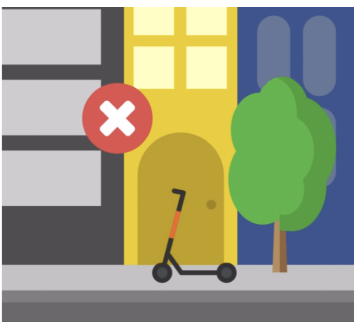
5. Safe Riding Position. Always ride with both feet on the footboard, one in front of the other. Keep your weight towards the rear of the scooter. Do not place items on the scooter footboard. Never hand items from the handlebars. Do not take your hands off the handlebars while riding. Do not ride with one hand only.



6. Ride responsibly. Ride on the road whenever possible. Follow the rules of the road. Always yield to pedestrians. Do not ride up or down stairs. Stay alert and aware of your environment.



7. Lock to a bike rack. When you're ready to end your trip, lock the scooter to a bike rack or post near the curb, upright and parallel. Leave space for other riders and never lock to another vehicle.



8. Never obstruct pedestrian space. Park only near the curb. Don't park at corners or blocking curb ramps. Don't park on narrow sidewalks or along buildings.



9. Make sure you aren't blocking. Don't block bus stops or loading zones. Don't block fire hydrants. Don't block access points like doors or ramps. Don't block or interfere with sidewalk amenities and landscaping

Warnings

- Do not ride the scooter in the rain or during inclement weather.
- Maintain a safe speed at all times, and especially when you ride through speed bumps, bumpy roads, and other uneven surfaces. Slightly bend your knees to better adjust to bumpy terrain.
- Watch your head at all times and always wear a helmet.
- Do not press the throttle when walking with S-100T.
- Avoiding running into obstacles with S-100T.
- Do not touch the motor, or any internal scooter components, during a ride.
- Do not attempt to disassemble S-100T.
- Do not carry heavy objects on the handlebar.
- Do not ride on freeways or highways. When possible, use a bike lane.
- Do not ride with only one foot.
- Do not rotate the handlebars violently while riding.
- Do not ride with multiple riders. S-100T is designed for one rider only. Do not ride while pregnant. Do not carry a child while riding.
- Do not take your hands off the handlebars while riding.
- Do not use a mobile phone or wear earphones while riding.

Warning: failure to follow these instructions may result in injury.

Maintenance

Cleaning and Storage

Use a soft, wet cloth to wipe the mainframe clean. Hard to remove dirt can be scrubbed with a toothbrush and toothpaste, then cleaned with a soft, wet cloth.

NOTE: The IP rating of the mainframe is IPX6, and controller IPX7. Do not wash your S-100T with alcohol, gasoline, acetone, or other corrosive/volatile solvents. These substances may damage S-100T. Do not wash S-100T with a power washer or hose.

WARNING Make sure the S-100T is powered OFF, otherwise you may damage the electronic components.

Store S-100T in a cool, dry place. Do not store it outdoors for extended periods of time. Exposure to sunlight and temperature extremes (both hot and cold) will accelerate the aging process of the plastic components and may reduce battery life.

Replace the tires

Tires supplied with the product are to be mounted on the wheel by authorized Spin personnel only. Removing the wheels is complicated and incorrect assembly can lead to instability and malfunctions.

Maintenance and removal of the battery

Do not remove the battery. Removing the battery is complicated and can alter the operation of the machine. Do not store or charge the battery at temperatures outside the stated limits (see Specifications). Do not puncture the battery. Refer to your local laws and regulations regarding battery recycling and/or disposal. A well maintained battery can perform well even after many miles of riding. Avoid draining the battery completely.

When used at room temperature (70°F [22°C]) the battery range and performance is at its best; whereas using it at temperatures below 32°F (0°C) can decrease range and performance.

WARNING: Do not attempt to disassemble the battery. Do not touch battery contacts. Do not dismantle or puncture the casing. Keep the battery contacts away from metal objects to prevent short circuiting and avoid the risk of fire and electric shock.

S-100T has no user serviceable parts. Service should only be performed by authorized Spin personnel.

Specifications

	Items	Parameter
Product	Name	Spin S-100T
	Model	S1
	Dimensions	L46" x W19" x H46"
	Net weight	62 lbs.
Rider	Payload	66.1–220.5 lbs (30–100 kg)
	Recommended age	18+ years
	Required Height	3'11"–6'6" (120–200 cm)
Vehicle	Max Speed	Customizable; typical 15mph
	Typical range	30 miles
	Operating temperature	14–104°F (-10–40°C)

	Storage temperature	-4–122°F (-20–50°C)
	IP rating	IPX6 (controller IPX7)
Battery	Nominal Voltage	48.1V
	Charging Voltage	53.95V
	Charging Temperature	10-45°C
	Nominal capacity	12.1 Ah
	Battery Management System	Over-heating, short circuit, over-current, over-discharge, and over-charge protection
Motor	Nominal power	500W
Tire	Tires	10" and puncture-proof
Features	Digital display	Speedometer, battery level and proper parking indicators, locking and availability status, slow zone/no ride zone alerts, maintenance code notification
	Brakes	Front wheel drum brake, front wheel 500w regenerative motor braking system, large rear foot pad stomp brake
	Warning bell	Warning bell
	Dual kickstand	Dual kickstand

Certifications

Federal Communication Commission Interference Statement

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 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.

FCC Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's 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.

IMPORTANT NOTE:

Radiation Exposure Statement:

The product comply with the US portable RF exposure limit set forth for an uncontrolled environment and are safe for intended operation as described in this manual. The further RF exposure reduction can be achieved if the product can be kept as far as possible from the user body or set the device to lower output power if such function is available.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Country Code selection feature to be disabled for products marketed to the US/CANADA

This equipment should be installed and operated with minimum distance 5mm between

the radiator & your body.

SKINNY LABS INC. DBA SPIN is not responsible for any changes or modifications not expressly approved by SPIN. Such modifications could void the user's authority to operate the equipment.

To ensure the safety of users, the FCC has established criteria for radio frequency energy that can be safely absorbed by a user or bystander according to the intended usage of the product. This product has been tested and found to comply with the FCC criteria.

Trademark and Legal Statement

SPIN is a registered trademark owned by SKINNY LABS INC. DBA SPIN (hereinafter referred to as SPIN). SPIN reserves all rights to the trademark. SPIN is a registered trademark of SKINNY LABS INC. DBA SPIN, all other trademarks and trade names are those of their respective owners.

This manual includes all functions and instructions when it is printed. But actual products may vary due to improved functions and design. Please scan the QR code in the back cover for the latest user manual.

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