



Discover what's beyond.

*Ridekick™ power trailer
assembly, installation and safety instructions*

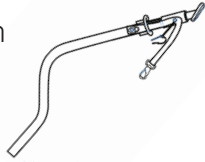


Congratulations on purchasing the Ridekick™ power trailer. Now, you can rev up every ride and discover what's beyond – no matter where you're going, what you're taking with you, or what you'll be bringing back.

Ridekick will get you there.

Parts List

- 1 hitch arm with hitch pin and keeper wire, hitch plate, and safety strap



- 1 short Allen head screw (A)



- 1 self-locking nut (B)



- 1 long Allen head screw (C)



- 1 or 2 spacers (D)



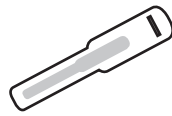
- 1 acorn nut (E)



- 1 throttle with cord and straps attached



- 10 hook and loop straps



- 1 battery with bag



- 1 battery charger



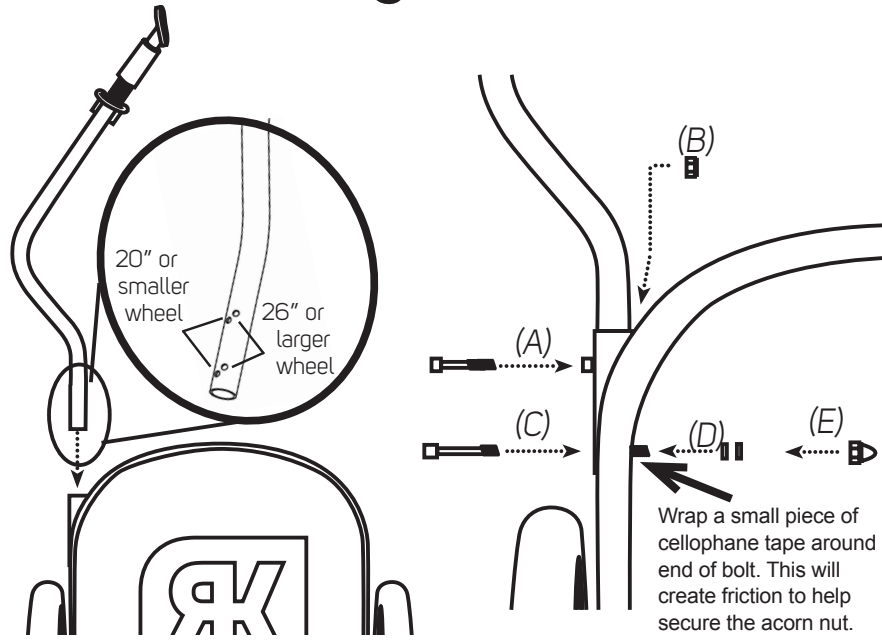
- 1 Ridekick power trailer base unit with lid



Tools Required for Assembly

- 4 mm Allen wrench (included)
- 10 mm box wrench or pliers (not included)
- If your bike/trike does not have a quick-release axle on the rear wheel, a wrench is required to remove rear axle nut.
- Delta-style trikes require a hitch adapter - self-made or one available at ridekick.com/shop.
- If any parts are missing or damaged, please contact Ridekick at 877.974.4440 or support@Ridekick.com.

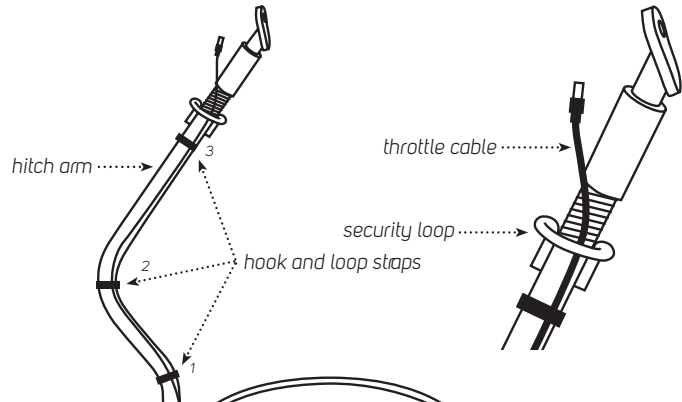
Assembly Instructions



UNPACKING NOTE: Remove protective packing material from front of lid. Keep all trailer and battery packing material for 30 days.

Step 1: Secure Hitch Arm

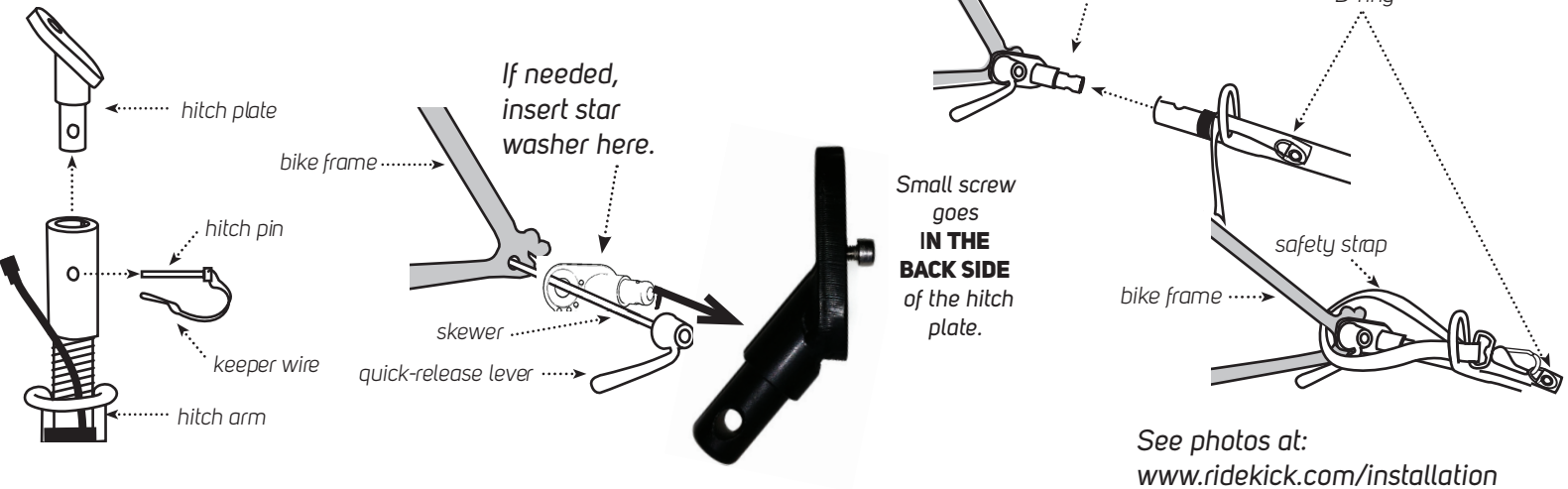
Stand Ridekick trailer upright. On the hitch arm, determine which holes (based on wheel size) you need to align with the hitch arm connector hole on the Ridekick trailer. Insert the hitch arm into the tube-fitting and align the pair of holes that best fit your wheel size. Place the short Allen head screw (A) into the top hole and attach the self-locking nut (B). Only tighten after step E. Insert the long Allen head screw (C) into the bottom hole. Tip the trailer downward so the trailer is in riding position. Unlatch the combination lock, and open the lid. Locate where the long Allen head screw (C) is protruding inside the pan compartment and place the spacer(s) - 1 or 2 to make a snug connection (D) onto the screw. Then attach the acorn nut (E) and tighten. Close the lid, and stand the Ridekick power trailer upright. Snugly tighten the nut (B) on the short Allen head screw (A).



Step 2: Attach Throttle Cable

Run the throttle cable along the top of the hitch arm and secure the cable to the hitch arm using 3 hook and loop straps. Thread the plug of the throttle cable through the security loop on the hitch arm.

Installation Instructions



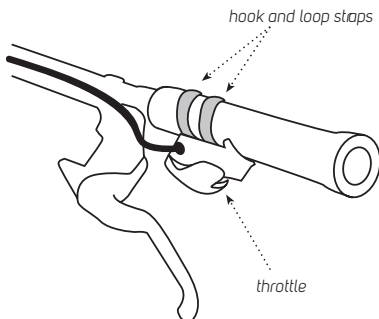
Step 1: Attach Ridekick Power Trailer

Unsnap the keeper wire from the hitch pin on the end of the hitch arm and remove the pin and hitch plate from the hitch arm. Open and unscrew the quick-release lever* on the rear axle of your bike/trike. Hold the lever and pull the axle skewer all the way out. Unscrew the small screw on the back of the hitch plate and set it aside as you position the hitch plate over the axle hole/drop-out. Note which hole on the hitch plate is not blocked by the frame of the bike/trike, and screw the small screw snugly back into that hole **ON THE BACK** of the hitch plate. The screw is designed to stop rotation of the hitch plate.

Thread the skewer through the hole in the hitch plate and through the rear axle. Angle hitch plate at the "3:00" position and securely tighten the quick-release lever. It should be snug enough that there is NO movement when you push down firmly on the hitch plate. If it moves, either tighten the skewer/nut more, or change the location of the small screw on the hitch plate. If it is still able to move, you may insert a star washer between the bike/trike frame and the hitch plate.

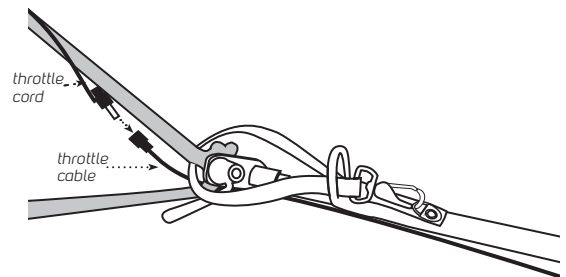
*Note: if there is no quick-release lever, remove rear axle nut, thread hitch plate onto bolt, and retighten nut.

Slide the hitch arm onto the hitch plate aligning the hole in the hitch arm to the hole in the hitch plate. Insert the hitch pin through both holes and snap the keeper wire closed. Loop the safety strap around the bike frame* and clip it to the D-ring. *Note: If there is excess safety strap that may interfere with your biking operations, wrap it around the hitch arm or bike frame so it does not get caught in your spokes. Go to www.ridekick.com/installation to watch Ridekick power trailer installation video.



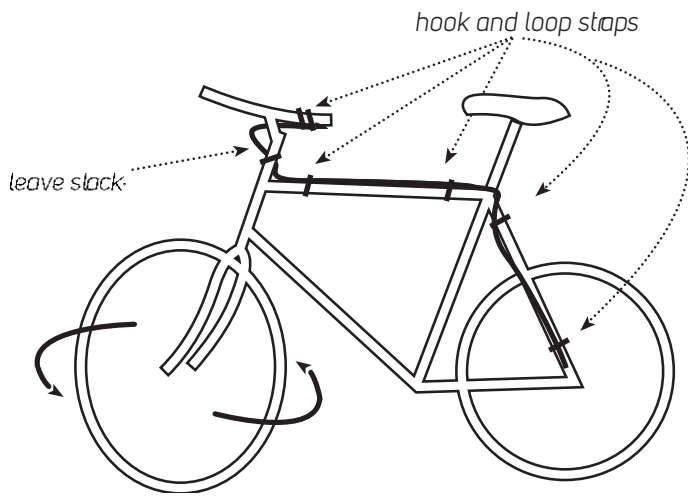
Step 2: Attach Throttle

Attach the throttle to one of the handlebars/grips, keeping your comfort in mind. **Avoid interference with braking and shifting operations**, and use the hook and loop straps attached to the throttle to secure the throttle to the handlebar. After installation, test the throttle to ensure it stays in place and that the brakes and gear shifters function properly.



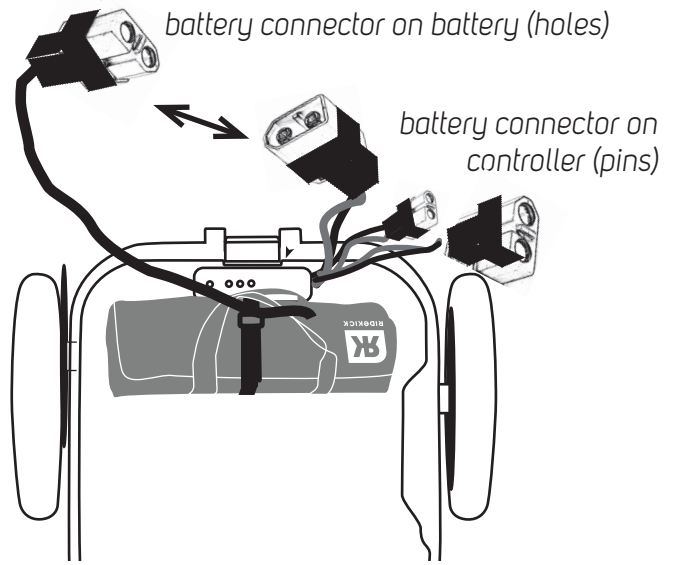
Step 3: Connect Throttle Cord and Cable

Returning to the rear axle, connect the throttle cord to the throttle cable on the hitch arm.



Step 4: Secure Throttle Cord

Start at the rear axle. With hook/loop straps, secure throttle cord to bike or trike frame, making sure they don't interfere with the function of any other cables. Continue to the handlebars/grips, and use a hook/loop strap to bind the excess cord away from moving or functional parts. Rotate handlebars/grips to make sure you have enough slack for full turns. Check brake and gear operation to assure safe operation.



Step 5: Connect Battery

Open the lid and set the battery pack inside the base compartment in front of the control box with the logo facing toward the back. Connect the battery plug into the wired socket on the side of the control box. Make sure the connectors are fully inserted to avoid arcing. **Firmly strap the battery down using the hook and loop in the base compartment. Not strapping the battery down may result in damage to the battery and Ridekick power trailer shell.**

Diagnostic Display

L- = Dead battery,
CHARGE immediately

L0 to L9 = Battery level,
9 = full charge

E2 = Connect throttle at hitch
plate **and** controller

E3 = Check that throttle
is in the "OFF" position

E4 = Check/replace fuse

E5 = Check motor
connector at controller

E6 = Turn off/on. Persistent
problem? Contact
Ridekick Support*

E7 = Service port problem,
remove devices from
service port and 12-volt
accessory jack

E8 = Overheat prevention.
Wait one minute, then
continue your ride.

E9 = Stall condition. Turn
off/on, continue ride.

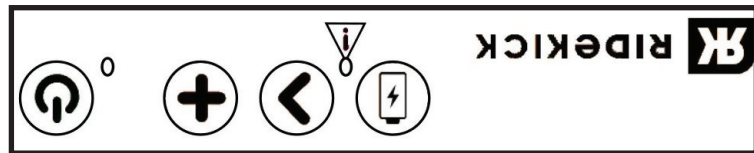
* support@ridekick.com
877-974-4440, ext 2

Controller

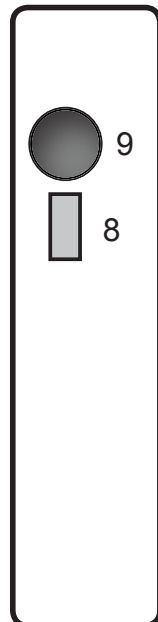
ON/OFF

Alert

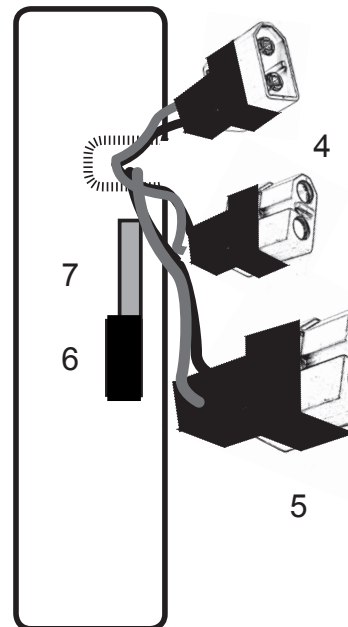
Lights



ON/OFF Plus Arrow Battery **Interactive Buttons**



1. Display
2. Controller panel
3. Battery connector (with pins)
4. SLA charger connector (with holes)
5. Motor connector
6. Throttle connection
7. Fuse
8. Service Port (not for electronic devices)
9. 24-volt accessory jack



SAFETY FIRST!

When you take your Ridekick power trailer on its first “spin”, double check that all nuts are tight, that Ridekick power trailer parts have been put together correctly and are secure. Check your bicycle brakes for stopping efficiency with the Ridekick power trailer. Follow instructions for the brake check card.

Only attach the Ridekick power trailer to a bicycle that is in a good state of repair and has the hitch plate installed correctly and securely. Ensure that the bicycle frame, wheels, gears, chain, handlebars, tires, brakes, and cables are in proper working order.

Check hitch connection and safety strap **before every ride**.

Always wear a helmet.

Warnings

Do not use the Ridekick power trailer if any parts are damaged!

Surface and Terrain The Ridekick power trailer is best suited for use on paved roads and trails. It is not designed, nor recommended, for use on dirt or gravel roads and trails, or in >2” deep water. Wheels may slip on dirt or gravel roads and trails, and won’t propel the bike evenly. Rider use on sand or deep water will invalidate the warranty.

Speed Keep your speed at levels appropriate to road conditions. Use lower, unpowered speeds when making turns or traveling on uneven or irregular terrain. Moving at high speeds in these conditions can result in jostling, “whipping” and flipping of the Ridekick power trailer. This can cause damage to the Ridekick trailer or cargo, or cause erratic movement of the power trailer.

Wet Conditions Exercise caution in wet weather conditions or on slippery terrain as these affect braking distance and the grip of the trailer tires. Avoid going through water puddles or enabling controller to get immersed in water.

Visibility Avoid cycling in poor visibility conditions such as fog, night, heavy rain and snow. Use appropriate lighting on your cycle if you must ride in these conditions. The Ridekick power trailer has a tail light, and Ridekick lighting accessories are available.

Accelerating and Intersections Though you have an extra boost with power, it is recommended that you cross streets or pass other vehicles with caution, as though you are providing all the power with your body. Learn to judge your start-up power so you don’t overestimate your speed and ability to get safely across a street or around other vehicles.

Traffic Be careful when in traffic. Your vehicle is a bicycle/trike, not a motor vehicle (US Public Law 107-319). Drivers will expect it to move at speeds and in ways that bicycles or trikes do.

Laws Always abide by local, county and state laws for bicyclists or laws regarding 500-watt motors on vehicles that travel at less than 20 miles per hour.

Braking Take care to brake with awareness of the weight of the cargo in the trailer. The cycle does the braking for the bike/trike, the rider, and the Ridekick power trailer, so exercise caution. Anytime you are stopped and the Ridekick power trailer is turned on, keep your hands on the brakes to avoid accidental throttle contact.

Inspect Before every ride, make a quick inspection of your Ridekick power trailer mechanical and electronic features.

Wheels and Tires Check nuts that hold the trailer wheels on and ensure that the tires are inflated to the correct pressure (20 psi).

Moving Parts Always attach cables, cords, straps and clothing securely away from moving parts on the bike/trike, rider, and Ridekick power trailer. Keep the throttle cable “on a very short leash” so that it cannot catch in the spokes or gearing, and get pulled apart or interfere with safe operation of the bike/trike. The same is true of the safety strap. It should not restrict hitch articulation, but also should not dangle dangerously.

Safety Strap Only operate the Ridekick power trailer with the safety strap secured to the frame of the bike/trike and clipped securely to the D-ring or security loop.

Cargo Load The maximum trailer load is 75 pounds in addition to the battery. Do not exceed this weight or damage may occur. Do not carry people or animals **in** the container. Do not carry flammable objects or materials.

Packing the Cargo Load When you put items in the cargo area, be sure to load them in a manner that balances the weight and protects items if they are fragile. The Ridekick power trailer will bounce on any road irregularities, jostling the load accordingly.

Battery Strap Make sure the primary battery is secured during operation.

Lid Operating the Ridekick power trailer without the lid can lead to damage of goods and the controller. Only operate the Ridekick power trailer with an approved lid. **Do not carry any weight ON the lid.**

Heat When parking the Ridekick power trailer in the sun, remove personal items to avoid damage from heat.

Controller Do not put foreign objects or unapproved devices into the service port, battery connector, motor connector, throttle connector, 12-volt accessory port, or controller that is not designed to be put into it.

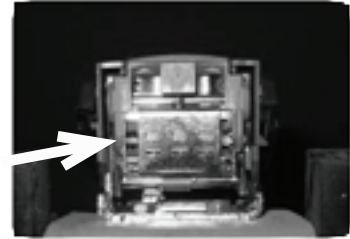
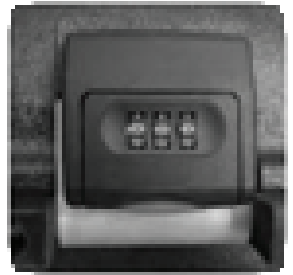
Cables and Cords Protect cables and cords from breaks in the plastic sheath. Replace cable/cord if wire becomes exposed.

Security The hitch arm has a security loop on it for use with a bicycle lock. You may use this loop or the wheels to secure your Ridekick power trailer to a fixed object to prevent theft. Always lock the latch to prevent theft.

Setting Your Latch Combination (see www.bit.ly/RKLatchCombo)

When you receive the Ridekick power trailer, the latch combination will be set to "0-0-0". You can select and set a different number that is easy for you to remember.

1. Remove the Ridekick lid by opening the lid to about 45 degrees.
2. Remove battery.
3. Detach trailer from bike/trike.
4. Turn trailer over.
5. Now you can see the underside of the latch. The "coder" looks like a tiny gear and is on the left side as you look at the underside of the latch.
6. With a pen, push the coder to the right, then away from you. It should stay in position.
7. Spin the cylinders to the desired numbers. If they don't spin, check to see if there's a plastic red tab next to the cylinder. Remove it, then set the numbers.
8. Return the coder to the original position.
9. Turn the trailer back over, attach to the hitch plate, return the battery and lid, and test the latch.



Maintenance

Lubricate the drive chain with a bicycle chain lubricant every 100 miles or once a month, whichever is more frequent. Always disconnect the battery before working with the drive train.

Battery Settings

The Ridekick power trailer display is calibrated for SLA (LA) or LiFePO4 (Li) batteries. To change the setting:

- 1) Turn on controller.
- 2) Press and hold the BATTERY button.
- 3) While still pressing the BATTERY button, press the PLUS button (LA or Li should appear in the display window)
- 4) Release all buttons.
- 5) Press the ARROW button to toggle between LA and Li.
- 6) When you are at the desired setting, press the BATTERY button.

'Kickin' Tips

General

- Reduce the Ridekick trailer tire pressure to 15 - 20 psi to get the best grip and smooth ride.
- Spin the combination cylinder one number to secure the lid while riding on bumpy surfaces.
- When turning corners, don't use the boost, and swing wide to avoid hitting curbs (flipping can result.)
- Two-way Radio Interference - Using walkie-talkies or 2-way radios anywhere near the Ridekick trailer can possibly affect the controller. **DO NOT use these devices while operating the Ridekick power trailer!**

Hills - When climbing hills with the Ridekick power trailer, it is necessary to **pedal along to maintain a speed of no less than 7 miles per hour**. If your speed drops below 7 mph, the controller will become warm, and automatically turn off the system so the motor doesn't overheat. It will cool off in a minute and automatically reset (turn on) for use again.

To Go Farther on a Charge - Use it to start from a stop and to get you up to your desired speed, then pedal at speed without power. OR only use it to go up hills and into the wind. OR only use it AFTER you get to speed (~12 mph/19 km/h) to move you faster than average pedal speed. OR use it at half-power rather than full. OR change your power setting (see below!)

Power Settings to Extend Range - There are three power settings, P0, P1 and P2, in the controller. P0 and P1 will be less power in torque, but will give better range. P2 gives you more power starting from a stop and climbing hills, but will use the battery quicker. P0 is low torque like P1, and speed is limited to 15 mph. The controller comes preset to P2. To change between P0, P1 and P2:

- Turn on the controller
- Press and hold the BATTERY button AND the arrow (>) button simultaneously. P2 will appear.
- Press the ARROW button to toggle between P0, P1 and P2.
- Press the BATTERY button to save the power setting and get back to the battery level mode.

Warning

Adding an electric assist to your 2-wheel, 3-wheel, 4-wheel cycle or other rolling conveyance can be dangerous to use. The user assumes all risk of personal injuries, damage, or failure of the system and all other losses or damages to themselves and others and to any property arising as a result of using the power trailer.

The mechanical and electrical components on the power trailer are subjected to wear and high stresses that react in different ways. If the life of a component has been exceeded, it may suddenly fail, possibly causing injuries to the rider. Any type of crack, bend, or change in coloring in high-stress areas may indicate compromise in the component safe performance ability, and the component should be repaired or replaced.

- When cycling with the Ridekick power trailer, be aware of any increased braking distances. The Ridekick power trailer and your load may provide additional force or speed that you must compensate for when calculating braking action.
- The Ridekick power trailer is designed to be used on flat stable surfaces. Use on dirt or gravel roads is not recommended.

Warranty

NOTICE: Register your product at: www.ridekick.com/register.

Warranty Disclaimer - Ridekick International provides limited warranty to international customers.

RIDEKICK INTERNATIONAL warrants that all new Ridekick International power trailers ("Trailers") and components, exclusive of batteries, therein are warranted to the original retail buyer ("Buyer") against manufacturing defects in materials and/or workmanship for a period of one (1) year from the date of original retail purchase.

In consideration of the above promises by RIDEKICK INTERNATIONAL, the buyer agrees to and accepts the following conditions:

- That this warranty is in lieu of all other warranties, expressed or implied;
- That all warranties of merchantability or of fitness for a particular purpose are hereby excluded and/or waived;
- That the buyer's sole remedy shall be to obtain replacement or repair of the product or part(s) and
- That this remedy is in lieu of all other remedies or claims for damages, consequential or otherwise, which the buyer may have against RIDEKICK INTERNATIONAL.

RIDEKICK INTERNATIONAL shall have no liability for ANY loss or injury caused, in whole or in part, by its actions, omissions, or negligence, or for contingencies beyond its control;

The warranty extends only to the original purchaser. It is not transferable to anyone who subsequently purchases the Ridekick power trailer from the original owner.

How the warranty applies

As the manufacturers, we guarantee against possible material or construction defects according to the following details:

- Owner provides proof of purchase and ownership or has registered at ridekick.com. The warranty begins on the date of purchase. We strongly recommend that the owner register the product with Ridekick International to be informed about product updates, and to establish proof of purchase. Registration may be completed online at our website: www.ridekick.com/register
- We will guarantee 1 year for the frame, and all mechanical and electrical parts, except in parts that undergo change due to normal wear and tear.
- 6 months for the SLA battery (over 80% of capacity.) And 12 months for the LiFePO4 battery (over 85% capacity).

How the warranty does not apply

- When the Ridekick is used negligently or has damage resulting from a traffic accident.
- If any modifications are made to the Ridekick power trailer by anyone other than Ridekick International.
- If any motor, chain, hitch, wheel, battery or charger is used, other than those approved by Ridekick International.
- Normal wear and tear.
- Poor maintenance or modifications that no longer comply with regulations or original specifications.
- Damage due to external causes or from use other than that described in the user manual.
- The Ridekick power trailer is used for rental.
- The battery pack is used incorrectly or damaged. This also applies to improper charging.
- Compensatory costs arising from damages or accidents, or costs incurred by loss of Ridekick power trailer usage.

How the warranty works

- Original defective parts that are sent or returned to the dealer for assessment will be replaced.
- Labor and transportation charges are not included.
- Our goal is for you to ride more and with a smile. Treat your Ridekick power trailer with care and we will support it along with you.

Contact us

Email - info@ridekick.com Phone - 877-974-4440 Website - www.ridekick.com/support

Ridekick Trailer Facts

Weight	Without battery = 25 lbs (11.34 kg)
Dimensions	24" wide x 39" long* x 17" tall (61 x 99 x 43 cm) *unit length w/o hitch arm is 22" (56 cm)
Motor	500-watt brush motor
Battery Pack	Sealed Lead-Acid – 24v, 12 Ah, +18.8 pounds (8.5 kg) or LiFePO4 – 24v, 20 Ah, +13 pounds (5.9 kg), or LiFePO4 - 24v, 30 Ah, + 17 lbs (8 kg)
Controller	Efficient power control, LED diagnostic system, battery-drain and motor damage protection
Speed	Control Regulated by hand-operated throttle. 19 mph (30.5 kph) maximum speed
Charger	UL Certified Smart Charger SLA full charge time = 6 hours. Temp best 41°F – 95°F (5°C – 35°C) LiFe full charge time = 3.5 hours. Temp best at 0° – 110°F (-17°C – 43°C)
Distance	SLA = 8 - 10 miles, LiFePO4 LR20 = 25 – 30 miles LiFEPO4 LR30 = 35 - 40 miles: Dependent on 1) weight of rider, cycle and , 2) terrain, 3) tire pressure on bike and Ridekick power trailer, 4) air temperature, 5) wind speed, 6) amount of pedaling assist
Fuse	40 amps (ACT/ATO 40 amp - found at auto parts stores)
Tire Size	12.5" x 3" (31.75 cm x 7.6 cm)
Tire Pressure	Best at 15 – 20 psi, max. 35 psi
Cargo Space	Holding capacity of 41.8 liters, weight capacity of 75 lbs (34 kg)
Cost to Charge	Based on average energy rates, it costs about 2 cents per full SLA battery charge, 4 cents for the LR20, and 6 cents for the LR30.
Recycling	United States Federal law does not allow the disposal of lead-acid batteries in landfills. Sealed lead-acid batteries are 60 - 80% made from recycled materials. The Ridekick power trailer SLA battery packs themselves are recyclable, becoming part of a positive sustainability cycle. Please call Ridekick International for more information of recycling your SLA or LiFePO4 battery back.
Warranty	1 year for the frame and all mechanical and electrical parts, except parts that undergo change due to normal wear and tear. 6 months for the SLA battery (maintained according to Ridekick International instructions.) 1 year for LiFePO4 battery



Ridekick™ power trailer...
takes you beyond the reasons
you don't ride your bike.