



ES2 SUPER ECO TRAILER

USER MANUAL



PRODUCT REGISTRATION

Make sure to register your purchase at allensportsusa.com
to qualify for product warranty and to receive important product notifications.

ES2 SUPER ECO TRAILER USER MANUAL

CONTENTS



ES2 SUPER ECO TRAILER USER MANUAL

Please keep this User Manual for future reference.

SECTION	PAGE
1. Important Safety Information	4
2. Parts List	7
3. Key Features	7
4. Assembly Instructions	8
4.1 Remove Trailer from Carton	8
4.2 Open Frame	8
4.3 Assemble Tow Bar	9
4.4 Install Wheels	9
4.5 Wheel Guard and Parking Break	10
4.6 Attach 4-Season Cover	11
4.7 Install Safety Flag	12
4.8 Attach Trailer Hitch to Bicycle	12
4.9 Attach Trailer to Bicycle	13
4.10 Convert to Stroller	14
5. Operating Instructions	16
5.1 Using 5-Point Safety Harness	16
5.2 Folding for Storage and Transport	16
6. Maintenance	17
7. Warranty	17

PRIOR TO ASSEMBLY

Please read this Owner's Manual completely before assembling or operating this product.

This product should be assembled by an adult.

1. IMPORTANT SAFETY INFORMATION

CAUTION ⚠

Please carefully read the instruction manual and all safety warning labels before using the trailer. **Important** – Keep these instructions for future reference

IMPORTANT ⚠

When used as trailer, passengers and riders should always wear properly fitted, approved cycling helmets. In some countries, helmets are a legal requirement.

WARNING ⚠

- This seat unit is not suitable for children under 6 months
- Children must be able to hold head up with helmets on
- Ensure that all the locking devices are engaged before use
- To avoid injury ensure that your child is kept away when unfolding and folding this product
- Do not let your child play with this product
- Always use the restraint system
- Never leave your child unattended
- Always ride defensively
- This product is not suitable for running or skating
- Do not exceed 54 kg total weight, or 43kg nominal load
- Maximum 2 passengers - each passenger weight 18kg
- Maximum passenger height 1.05 m
- Do not exceed 25 KM/H (15MPH) maximum speed, slower for turns or rough roads
- Braking Distances are increased when pulling the trailer. Slow down and allow extra stopping distance.
- Always instruct children NOT to rock, bounce or lean
- NEVER use the trailer off-road. This may result in damage to the trailer and or serious injury to the passengers
- Do not use the trailer in extreme weather, such as heat, cold, wind or rain. Passengers must be clothed appropriately to prevailing weather conditions.

INFORMATION ABOUT THE MINIMUM AND MAXIMUM DRAWBAR LOAD AND HOW TO CHECK IT

Trailer weight must be properly distributed for safe handling. The downward force at the end of the tow bar, where it meets the bike should be between 2lbs and 20lbs. To measure this, load your trailer and place next to bathroom scale. Step on scale and note your weight. While on scale, lift up the end of the towbar, 1 foot off the ground and note weight again. The weight difference is the downwards force on the towbar. If the weight is too low, the rear wheel of the bicycle could lose traction. If it is too high the hitch may overload.

SAFETY GUIDELINES

Think Safety First! Check the working condition of both bicycle and trailer before every use. If you discover broken components, misalignments, or missing parts, correct the problem prior to use.

Please follow these safety guidelines when using your trailer:

- This trailer is intended only for transport of children and cargo in the manner as described in the following pages of the owners' manual. Use of the trailer apart from these guidelines is not recommended, and may result in injury or damage to the trailer or the bicycle.
 - Inspect the trailer and its parts before and after each use. Proper maintenance of the trailer is essential to safety.
 - When assembling the trailer, make sure that wheels are correctly and securely installed as described in the assembly instructions. If you are not familiar with the type of wheels used on this trailer, contact your place of purchase or a reputable bicycle shop to receive instruction in the correct operation of these devices. Inflate tires to 35-40 PSI and check air pressure before each use. Over inflation may cause the trailer to bounce or turn over. Use only tires with street tread, and not with BMX or Knobby tread.
 - Be sure that the bicycle used with the trailer is in good working condition, is appropriate in size and type to pull the cycle trailer, and has good brakes. Refer to the bicycle owners' manual for any advice regarding use of the bicycle with a trailer. A bicycle shop can help you with the inspection to determine if your bike is of the correct type to use with the trailer, and with routine maintenance of the cycle and the trailer.
 - The parking device shall be engaged when placing and removing the children.
 - Do not overload the trailer. The load limit for cargo and passengers is 30kg. Position the load as low as possible and center it within the trailer, (front to rear, and left to right). Any extra gear should be placed towards the rear. All load should be secured so that it does not shift. **IMPORTANT:** Instruct children riding in the trailer not to bounce, rock or lean. Such movements may cause the trailer to lean or flip.
 - When fully loaded, the Drawbar load measured at the hitch should be between 3-8kgs. This can be verified by lifting the tow bar of the loaded trailer before attaching the trailer to the bicycle. Make sure parking brakes are engaged when loading trailer.
 - Do not attempt to install other seating systems in this trailer. It is not designed for car seats, stroller seats, infant beds, or any other type of seating. Use of any accessories other than the original equipment will void the warranty, and may result in damage to the trailer or injury to the passenger. Only replacement parts supplied or recommended by the manufacturer/distributor shall be used.
 - Never take this trailer off-road. It is intended for use on paved road surfaces. Use in any other conditions may result in damage to the product or injury to the passengers.
- Pulling this trailer alters the operation of the bicycle. Stopping, starting, and turning are affected, depending on the weight of the cargo. To familiarize yourself with the changes, load the trailer to capacity and practice in a safe area. Do not use your trailer until you have become accustomed to how it affects your bicycle handling. Further safety strategies include the following:
- Never assume you will be given the right of way.
 - Do not try to predict the actions of car drivers.
 - Do not travel on highways, busy streets, or in areas unsafe for bicycling.
 - Avoid riding at night. If you must ride at night, use lights and bright, reflective clothing. Do not ride at night with children in the trailer. Before use, consult your local authorities to determine appropriate lighting and safety requirements to conform to traffic code.

- To prevent overturning your trailer, do not pull over curbs or holes or hit obstacles in the roadway.
- Do not turn sharply, because trailer may turn over.
- Do not travel at high speeds.
- Do not exceed 15 MPH, slow for turns and rough road conditions. High speeds adversely affect your ability to control the bike and notice road irregularities. Braking distances are increased when pulling a trailer.
- Never take the trailer off road. It is designed for use on paved roadways. Off road use may result in damage to trailer or injury to passengers.

The safety of your child is of great concern. The trailer seat is intended for passengers older than 12 months and able to wear an approved helmet. Your child must be able to hold his head upright. Check with your pediatrician to make sure your child's development makes him or her a suitable passenger in the trailer. Helmets are recommended for all passengers, and may be required by law. Please check national and local laws regarding trailers and helmet use prior to operation. Make sure that your child is seated securely and the harness is properly engaged. The child's sitting height should be below the upper crossbar, and the correct shoulder strap height must be used. Refer to the instructions to adjust. The four-season cover must be fitted when children are in the trailer. This protects the child from road debris.

Refer to the instructions to adjust. The four-season cover must be fitted when children are in the trailer. This protects the child from road debris.

PRE-RIDE SAFETY CHECK

- Check to insure hitch clamp is tight
- Check to insure hitch safety strap is secure
- **BUCKLE UP!** Check seat harness and secure all baggage
- Inspect bike and trailer condition before each use
- **HELMETS ON!** Insure rider and child helmets are on and secure
- Check tire air pressure. Always maintain between 35-40 PSI
- The bicycle to which the trailer will be attached should be inspected by a qualified bicycle mechanic before attaching the trailer to it.

SAFE TOWING TIPS

- Make sure your bike brakes work properly! Braking distance is increased when pulling a trailer!
- This trailer is wide! Allow extra clearance near curbs, signs, parked cars, and other obstacles!
- A bicycle with trailer attached requires a wide turning radius! Do not turn sharply!
- Children must wear an approved safety helmet when using this product in trailer mode!
- Never remove protective canopy when pulling children in the trailer!
- Always use the safety flag when pulling this trailer!
- Do not ride over curbs! Avoid bumps and holes! Always signal your turns!
- Use extra caution when turning on uneven pavement, and going downhill!
- Not for use at high speeds! Do not exceed 15 mph
- Do not pull this trailer at night!
- Install a rearview mirror on your bike to check on children in trailer!
- Dress children appropriately to prevent them from getting chilled or overheated while riding
- Parcels or accessory items or both, placed on the unit may cause the unit to become unstable.



2. PARTS LIST

- (1) Frame w/ canopy
- (1) sling seat with 5-point safety harness
- (1) tow bar
- (1) tow bar coupler
- (2) 20" rear wheels
- (1) Safety flag
- (1) Stroller kit with handlebar, wheel and wheel fork
- Assembly Tools included
- Rear wheel brackets attached

3. KEY FEATURES

- Quick Assembly, take down and storage
- Forward facing two passenger seating
- Five-point seating harness with quick lock and release
- Full rain cover with roll-up window
- Quick release wheels with sealed bearings

Meets ASTM F1975 Norm for Cycle Trailers
Meets ASTM F833 Norm for Carriages and Strollers

Certified by Mechanicals and Hardgoods Lab. SGS Taiwan Ltd.
127, Wu Kung Road, Wuku Industrial Zone, Taipei County, Taiwan
TW-24803 – Taipei
Registration number: TAF1053

Please read all instructions and examine contents carefully before assembly.

For more information, visit Allen Care at allen.bike

4. ASSEMBLY INSTRUCTIONS

4.1 REMOVE TRAILER FROM CARTON

Remove the trailer from the carton and check the contents against the parts list.

WARNING: Immediately discard all plastic bags and plastic wrapping materials!

IMPORTANT: Do not remove the white foam from the wheel axles until STEP 4.4

4.2 OPEN FRAME

Remove trailer and all components from carton. Unfold trailer by pulling the frame and remove all components from inside. Note that the window tubes are made in two pieces (marked R and L), and are connected by a spring pin located in the rear half of the window frame tubes. To assemble, slide the fabric sleeve forward to access the end of the frame tube (Fig. 1). Next, slide the back half of the tube into the end of the frame tube (Fig. 2). Depress spring pin (Fig. 3), and push tubes together to allow the spring pin to lock in place.



Figure 1

Once the window tubes are assembled, lift the rear frame tube and align with the plastic locking mechanism at the rear of the window tube. (Fig 4). Slide the end into the block from outside to inside direction until it clicks into place. (Fig 5) Frame is now assembled.

NOTE: The two upper window tubes are not the same. They are marked R and L, and must be assembled in correct order for the frame to lock. Frame must be properly assembled with quick release connector closed and snapped shut. If QR connector is not fully engaged, frame may collapse, causing damage or injury. Do not use if QR connector is missing components, or if the closure is damaged or missing.



Figure 2



Figure 3



Figure 4



Figure 5

IMPORTANT: The spring-release pins must be engaged for safe operation of the trailer. Failure to assemble properly may result in frame collapse, resulting in damage to the trailer and injury to the user.. If the spring-release pins do not engage properly, DO NOT USE. Call the customer service number as indicated in the attached literature for assembly assistance.

NOTE: This process only needed for initial assembly. When folding for transport or storage, it is not necessary to disassemble the side frame tubes.

4.3 ASSEMBLE TOW BAR

1. Turn the trailer on its side and insert the hitch arm into the tow bar bracket (Fig 6).
2. Install the pin on the hitch arm to be locked in the front hole of the tow bar bracket.
3. Find the quick-release pin and insert it into the back hole on the tow bar bracket (Fig7).
4. Close the snap pin so the loop of the pin lock is over the pin shaft (Fig8).



Figure 6



Figure 7



Figure 8

4.4 INSTALL WHEELS

1. Remove the foam from the wheel axles and discard immediately. Do not remove the washers.
2. Lift the trailer back so the right side is up, and locate the right wheel marked with an "R" sticker.
3. Position the wheel with the stub axle next to the hole in the right wheel bracket (Fig 9)
4. Slide the stub axle completely through the hole in the bracket so the wheel is in the use position (Fig 10).
5. Tip trailer frame to allow access to the underside of trailer. Locate hole in end of hub axle.
6. Slide the quick-release pin (tethered to the bike frame near the wheel bracket) through the hole in the stub axle and loop the end over the shaft of the pin (Fig 10, 11). Repeat for the left wheel



Figure 9



Figure 10



Figure 11

NOTE: Wheels must be properly installed with quick release pins close and snapped shut. If Quick-Release pins are not correctly attached, wheels may fall off. Do not use if Quick-Release pins are missing, or if the closure is damaged or missing.

4.5 WHEEL GUARD AND PARKING BREAK

Your trailer is equipped with a combination wheel guard and parking brake for added safety. The wheel guard helps to deflect the tire from obstructions that might stop the trailer and result in an accident

PARTS LIST

- (1) Hex Key
- (4) Screws
- (2) Wheel Guards with Cable

INSTALLATION

1. Unpack polybag and check that all parts are included
2. Locate the 2 holes in the front of the side frame, just in front of the wheel. (Fig 13)
3. Place screws through holes in frame – from inside to outside. (Fig 14)
4. Place the Wheel Guard Assembly against the frame, and use the hex key wrench provided to tighten the screws until snug. **NOTE:** The nut is secured inside so you will not need a wrench or plier to hold the nut while tightening the fixing screw. (Fig 15)
5. Secure the cable on the bottom of the trailer with Velcro loops provided. (Fig 16)



Figure 12



Figure 13

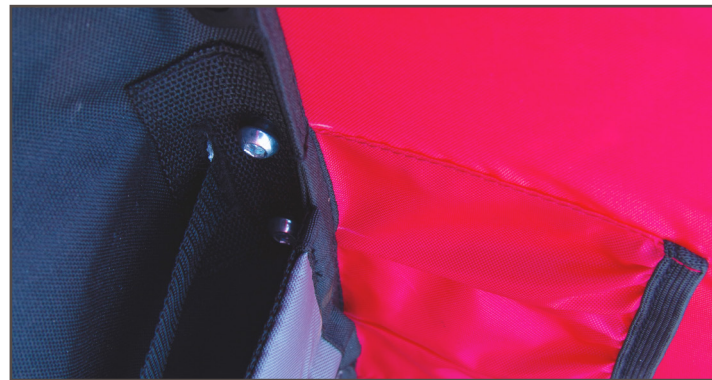


Figure 14



Figure 15



Figure 16

USING THE PARKING BREAK

To activate the parking brake, simply move the lever from inside to outside of the trailer base to engage the braking function. The brake shoe will contact the tire to lock the wheel (Fig 17). The Locking lever is located only on the left side of the trailer, but it is linked by the cable so that both wheels brake simultaneously.

IMPORTANT: Always use brakes when loading or unloading trailer, and release brake before riding. Never attempt to ride with brakes engaged.



Figure 17

4.6 ATTACH FOUR-SEASON COVER

1. Position the four-season cover over the trailer where roll-up window is facing towards the front side of the trailer (Fig 18).
2. Wrap the Velcro backed fixing straps and secure the cover around the frame.
3. Secure the Velcro material at the bottom front of the cover to the matching Velcro material on the lower front fabric panel. (Fig 19).
4. Attach the plastic cover by hooking the plastic hooks into the D-rings on the left and right lower corners of the frame. (Fig. 20)



Figure 18



Figure 19



Figure 20

ROLLING UP THE FOUR-SEASON COVER

The Four-Season Cover is designed to keep passengers and cargo dry and warm in inclement weather. It also protects the passengers from flying debris. The Four-Season Cover can be rolled up to allow for added ventilation in hot weather. Elastic closures (Fig. 21) keep the Four-Season Cover in place when rolled up (Fig 22).

WARNING: Never use the trailer without the Four-Season Cover. The front window or bug screen must be attached to protect children from flying objects.



Figure 21

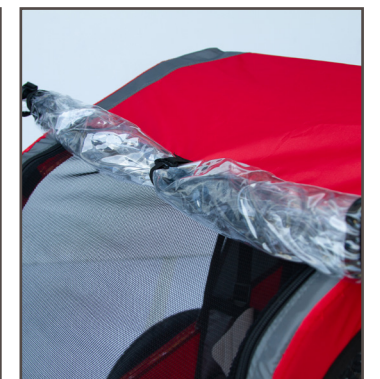


Figure 22

4.7 INSTALL SAFETY FLAG

1. Find and assemble the 3-piece safety flag.
2. Locate flag pocket in trailer cabin fabric, and insert flag in pocket (Fig. 23.)
3. Remove flag before attempting to fold Trailer

4.8 ATTACH TRAILER HITCH TO BICYCLE

BOLT-ON REAR AXLE

1. For bolt-on rear wheel, loosen left side rear axle to allow the hitch to attach to frame (Fig. 24v).
2. Position hitch over left rear axle of bicycle frame, replacing axle nut. Tighten securely, with hitch tab facing rear of bike, roughly parallel to the ground (Fig. 25).
3. Test to make certain axle nut is secure. Trailer hitch must not be able to rotate by hand.



Figure 24



Figure 25



Figure 23



Figure 26

QUICK-RELEASE AXLE

1. For Quick-release rear wheel, loosen lever and remove QR skewer. Do not remove wheel (Fig. 26).
2. Slide hitch onto skewer, with the angled tab facing out, and reinstall the skewer through the axle. Position with hitch tab facing rear of bike, roughly parallel to the ground.
3. Tighten QR axle and make certain wheel and hitch are secure (Fig 27). Trailer hitch must not be able to rotate by hand. If QR Axle is too tight or too loose, when in closed position, open the lever and tighten or loosen the nut to ensure the axle is tight.

WARNING: Safety requires that Quick-Release axles be used correctly. If they are not, the wheel can fall out or become loose, causing accident or injury. If you are not familiar with the operation of Quick-Release axles, please seek guidance and instruction from a bicycle professional.



Figure 27

4.9 ATTACH TRAILER TO BICYCLE

1. Position trailer tow arm to align with trailer hitch on bicycle frame. Slide the tow arm flex coupler onto the trailer hitch, aligning the holes in tow arm with the hole in the hitch (Fig. 28).
2. Insert Quick-Release pin through tow arm and hitch and close and lock the pin.
3. Thread the safety strap through the lower chainstay of the frame, being careful not to interfere with brakes or other moving components. Clip to D-ring on the tow arm (Fig. 29).

WARNING: Safety strap must attach to the bike frame when using this product in trailer mode.



Figure 28



Figure 29

REMOVING TRAILER FROM BICYCLE

1. To remove the trailer from the bicycle, release the safety strap shown above.
2. Remove the Quick-Release pin from the tube connecting the hitch arm to the black hitch.
3. Pull back on the hitch arm to release trailer from the black hitch, which remains on the bicycle.

NOTE: For convenience, you may purchase additional hitch ends for convenient fitting of the trailer to multiple bicycles. Contact your retailer for details.

4.10 CONVERT TO STROLLER

Your trailer can be fitted with an optional stroller kit for convenient conversion from trailer to stroller when circumstances require. Trailering your child to the destination of your choice is great, but having the convenience of a stroller when you reach your destination expands your options. Head to the park or the seashore, then quickly convert to stroller function for shopping, hiking or a walk along the seashore. Conversion takes but a moment, and the comfortable handlebar, short wheelbase and swivel wheel makes pushing your child smooth and easy. Of course, the 5 point harness is still there to secure your child in the stroller.



Figure 30

PARTS LIST

- (1) Handlebar
- (1) Safety Wrist strap
- (1) Front Swivel Wheel & Fork assembly
- (1) Swivel wheel mounting bracket and Hardware
- (1) Quick-Release pin with strap
- (1) Wrench
- (1) Screw

INSTALLATION

1. Place the frame of the assembled trailer on the rear frame, with front of trailer facing up.
2. Unsnap the fabric from around the front crossbar
3. Locate the stroller wheel mounting hole in the center of the front frame tube (Fig. 31).
4. Slide wheel bracket over the frame, aligning the top and bottom holes of the bracket with the holes in the frame (Fig. 32).
5. Insert the threaded screw through the all holes and secure using the nut and wrench (Fig. 33).
6. Wrap the strap of the Quick-Release pin around the frame, and back through the loop in the strap to fix it to the frame.



Figure 31



Figure 32



Figure 33

7. Re-attach the lower trailer fabric to the front frame by securing the snaps.
8. Insert the axle of the swivel wheel in the bracket and then insert the Quick-Release pin through the hole in the bracket, snapping the Quick-Release pin closed to lock the wheel in place (Fig. 34).
9. Set trailer back upright, and locate the handlebar fixing brackets on the rear of the frame (Fig. 35).
10. Press the spring pin on the handlebar to allow the handlebar tube to slide into the bracket until the spring pin snaps into place (Fig. 36). To avoid binding and interference, best to insert right and left sides of the handlebar at the same time before depressing the spring pins. Then both sides will snap easily in place. To remove, simply depress the pin and pull the handlebar out.
11. Loop the wrist strap around the handlebar as shown (Fig. 37). Always use the safety wrist strap when pushing your child in the stroller. This feature allows you to remain in control of the trailer in the event of a fall or sudden distraction.



Figure 34



Figure 35



Figure 36



Figure 37

USING THE OPTIONAL STROLLER KIT

Once installed, the conversion to from trailer to stroller takes but a few seconds.

1. Remove the trailer arm by removing the Quick-Release pin holding it in place. Depress the spring pin and pull the trailer arm out of the trailer arm socket.
2. Insert the front wheel in the bracket on the front frame, secure the Quick-Release pin, and the wheel is ready.
3. Install the handlebar as described above, and you are ready to go. The handlebar can remain on the trailer, if your prefer, when being towed by a bicycle.

IMPORTANT: Always use parking brake when loading or unloading stroller. Never leave child unattended. Always use safety harness.

5. OPERATING INSTRUCTIONS

5.1 USING 5-POINT SAFETY HARNESS

1. Undo the lap belt buckle, unclip the shoulder straps and crotch strap from D-ring, and seat the child
2. Buckle the lap belt over the child's lap, and pull the straps until the belt is snug.
3. Place the two center shoulder straps over the child's shoulders, and clip both straps into the D-ring of the center crotch strap.
4. Adjust the shoulder strap height according to the height of the child, then pull the straps until they are snug (Fig. 38).



Figure 38

IMPORTANT: To avoid serious injury children should always wear the seat belt and shoulder straps! Adjust the straps so that the crotch strap and shoulder straps meet at the child's stomach level, not at chest level!

REMOVAL OF PASSENGERS

Before removing children or cargo from the trailer, stop the bicycle and lock the trailer parking brakes on both wheels. Then open the passenger compartment window, release the safety harness and allow the passengers to exit the trailer. Take care the bicycle attached to the trailer does not fall over during loading and unloading.

5.2 FOLDING FOR STORAGE AND TRANSPORT

1. Remove children and all cargo from inside the passenger compartment.
2. Unclip the tow bar safety strap from the D-ring, and remove pin to remove hitch from frame.
3. Clip the end of the strap back on to the tow bar D-ring.
4. Remove the tow bar by releasing the Quick Release pin and depressing the spring pin until the tow bar can slide out of its socket.
5. Remove the flag and pole and separate the sections.
6. Remove the quick-release pins from the stub axles of the rear wheels.
7. Place wheels, tow bar and flag inside the passenger compartment, and close the front cover.
8. Fold upper cabin as shown (Fig. 39):
 - a. Remove Four-Season Cover.
 - b. Remove Quick-Release Pins from upper frame and pull apart from both sides.
 - c. Fold frame down until trailer is flat as shown (Fig. 40).



Figure 40

6. MAINTENANCE

Before each ride, check the trailer for signs of wear or damage. Inflate tires to correct pressure as stated on tire sidewall, and check for wear and tear before each ride. Use of hand pump recommended to avoid over-inflation. Check nuts and bolts for tightness, and make sure Quick-Release pins for wheels, frame and hitch are secured. Once a year, it is recommended to have the trailer inspected by a qualified bicycle mechanic. The trailer fabric can be cleaned with mild soap and water, and allowed to air dry. The fabric is not machine washable.

7. WARRANTY

Visit allen.bike for full warranty details.

If your product requires warranty service, please do not return it to a retail store.

Please contact:

ALLEN SPORTS USA

CUSTOMERSERVICE@ALLEN.BIKE

(800) 722-5536

Please note that all returns and exchanges are subject to the return policy of the retailer where the product was originally purchased.

LEARN MORE

For more information, including instructional videos and online manuals, visit **ALLEN CARE** at allen.bike



allen.bike

R. A. ALLEN CO., INC. - 505 Beachland Blvd Ste 1, #1002, Vero Beach, FL 32963, USA

Product designed in USA, Made in Ningbo, China

For more information, visit Allen Care at allen.bike

