

**M-Wave M-Wave-TRLR0051**

# M-Wave Foldable Bicycle Trailer with Suspension User Manual

Model: M-Wave-TRLR0051

## 1. INTRODUCTION

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Thank you for choosing the M-Wave Foldable Bicycle Trailer with Suspension. This manual provides essential information for the safe assembly, operation, and maintenance of your bicycle trailer. Please read these instructions carefully before use and retain them for future reference.

This trailer is designed to transport children safely behind a bicycle. Its full suspension system provides a smoother ride, and the foldable design allows for convenient storage and transport.



An image showing the M-Wave Foldable Bicycle Trailer with Suspension. The trailer is yellow and black, featuring a sturdy frame, two wheels, a tow arm, and a tall safety flag. The canopy has clear windows and mesh sections.

## 2. SAFETY INFORMATION

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Your safety and the safety of your passengers are paramount. Always adhere to the following safety guidelines:

- **Maximum Weight Capacity:** Do not exceed the recommended weight limit for the trailer. Refer to the Specifications section for details.
- **Passenger Age:** Ensure passengers meet the minimum age and developmental requirements for trailer use. Consult local regulations.
- **Secure Passengers:** Always use the internal safety harness to secure passengers. Ensure all buckles are fastened and straps are adjusted snugly.
- **Helmet Use:** All passengers must wear properly fitted helmets.
- **Pre-Ride Check:** Before each ride, inspect the trailer, hitch, wheels, tires, and safety flag for proper function and secure attachment.
- **Visibility:** Always use the safety flag. Consider adding reflective tape and lights for enhanced visibility, especially in low-light conditions.
- **Speed and Braking:** Reduce speed when turning, braking, or riding on uneven terrain. The added

weight of the trailer will affect your bicycle's handling and braking distance.

- **Road Conditions:** Avoid rough terrain, steep inclines, and busy roads. Always ride on paved surfaces or designated bike paths.
- **Weather Conditions:** Exercise caution in adverse weather. The trailer offers some protection, but extreme conditions can still be hazardous.
- **Folding Mechanism:** Ensure the trailer is fully locked in its open position before use and fully collapsed before storage or transport.

### 3. PACKAGE CONTENTS

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Carefully unpack all components and verify that you have received the following items:

- Foldable Alloy Frame with Suspension
- Two 20-inch Wheels with Quick Release Axles
- Tow Arm with Quick Release Hitch
- Weather Canopy/Cover
- Safety Flag
- User Manual (this document)

If any parts are missing or damaged, do not proceed with assembly. Contact customer support immediately.

### 4. SETUP

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Follow these steps to assemble your M-Wave Bicycle Trailer:

1. **Unfold the Frame:** Place the folded trailer on a flat surface. Carefully unfold the main frame until it locks securely into the open position. Ensure all locking mechanisms are engaged.
2. **Attach the Wheels:** Insert the quick-release axles of the 20-inch wheels into the wheel mounts on the trailer frame. Ensure the quick-release levers are fully closed and secure. Verify that the wheels spin freely.
3. **Install the Tow Arm:** Slide the tow arm into the designated receiver on the front of the trailer frame. Secure it with the provided pin or locking mechanism. Ensure there is no excessive play.
4. **Attach the Safety Flag:** Insert the safety flag pole into the designated receptacle, typically located at the rear of the trailer. The flag should be clearly visible above the trailer and bicycle.
5. **Secure the Canopy:** Drape the weather canopy over the trailer frame. Secure it using the attached fasteners (snaps, zippers, or Velcro) to ensure it is taut and provides adequate protection.
6. **Hitch to Bicycle:** Attach the quick-release hitch mechanism on the tow arm to the rear axle of your bicycle. Follow the specific instructions provided with the hitch for secure attachment. Always use the secondary safety strap around the bicycle frame.

Before the first ride, double-check all connections and ensure the trailer is stable and securely attached to your bicycle.

### 5. OPERATING INSTRUCTIONS

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Operating your M-Wave Bicycle Trailer safely requires attention to detail and practice:

- **Loading Passengers:** Open the canopy and assist passengers into the trailer. Secure them with the

internal safety harness, ensuring a snug fit. Close the canopy securely.

- **Weight Distribution:** Distribute weight evenly within the trailer. Avoid placing heavy items on one side.
- **Practice Ride:** Before carrying passengers, perform a short practice ride in a safe, open area to familiarize yourself with the altered handling and braking of your bicycle.
- **Cornering:** Take corners wider and at a slower speed than you would without a trailer. The trailer's wheels will track inside your bicycle's path.
- **Braking:** Allow for increased braking distance due to the added weight. Apply brakes smoothly and gradually.
- **Parking:** When parked, engage the bicycle's kickstand or lean it against a stable object. Ensure the trailer is also stable and cannot roll away.
- **Folding for Storage:** To fold the trailer, remove the wheels and tow arm. Disengage the frame locking mechanisms and carefully collapse the frame. Store in a dry, protected area.

## 6. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your trailer:

- **Tire Pressure:** Check tire pressure before each ride. Maintain the recommended PSI (pounds per square inch) indicated on the tire sidewall.
- **Wheel Inspection:** Regularly inspect wheels for damage, loose spokes, or wobbling. Ensure quick-release mechanisms are secure.
- **Hitch Mechanism:** Inspect the hitch for wear, damage, or corrosion. Ensure it attaches securely to the bicycle and trailer.
- **Frame and Fabric:** Clean the alloy frame with a damp cloth. Inspect the fabric canopy for tears or damage. Repair as needed to maintain weather protection.
- **Suspension System:** Periodically check the suspension components for proper function and signs of wear.
- **Fasteners:** Ensure all bolts, nuts, and pins are tight and secure.
- **Storage:** When not in use, store the trailer in a clean, dry place away from direct sunlight and extreme temperatures.

## 7. TROUBLESHOOTING

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Here are solutions to common issues you might encounter:

Problem	Possible Cause	Solution
Trailer wobbles excessively	Loose hitch connection, uneven tire pressure, damaged wheel.	Ensure hitch is securely fastened. Check and adjust tire pressure. Inspect wheels for damage.
Difficulty attaching trailer to bike	Hitch not aligned correctly, obstruction.	Refer to hitch instructions for proper alignment. Clear any obstructions.
Trailer pulls to one side	Uneven weight distribution, low tire pressure on one side, bent frame.	Redistribute cargo. Check and adjust tire pressure. Inspect frame for damage.
Squeaking or rattling noises	Loose fasteners, dry pivot points, worn suspension components.	Tighten all bolts and nuts. Lubricate pivot points if necessary. Inspect suspension.

If you cannot resolve an issue, contact customer support.

## 8. SPECIFICATIONS

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<b>Brand</b>	M-Wave
<b>Model Name</b>	M-Wave-TRLR0051
<b>Product Dimensions (LxWxH)</b>	29" x 29" x 8.5" (73.66 cm x 73.66 cm x 21.59 cm)
<b>Frame Material</b>	Metal Alloy
<b>Color</b>	Yellow/Black
<b>Wheel Size</b>	20 inches
<b>Suspension</b>	Full-suspension
<b>Approximate Package Weight</b>	29.8 Pounds (13.5 kg)

## 9. WARRANTY INFORMATION

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This M-Wave Bicycle Trailer is covered by a **Limited Warranty**. Details regarding the terms, conditions, and duration of this warranty are typically provided with your purchase documentation or can be obtained by contacting the manufacturer directly. Please retain your proof of purchase for warranty claims.

## 10. SUPPORT

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For technical assistance, missing parts, or warranty inquiries, please contact the manufacturer:

**Manufacturer:** Cycle Force Group

Please have your model number (M-Wave-TRLR0051) and proof of purchase ready when contacting support.