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> [Milly Mally Optimus 3-in-1 Children's Bicycle Instruction Manual](#)

## Milly Mally Optimus 5901761125085

# Milly Mally Optimus 3-in-1 Children's Bicycle Instruction Manual

Model: Optimus 5901761125085

## 1. PRODUCT OVERVIEW

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The Milly Mally Optimus is a versatile 3-in-1 children's vehicle designed to adapt as your child grows. It can be configured as a tricycle without pedals, a classic balance bike, or a tricycle with pedals. Its stable three-wheel construction provides security and aids in developing motor skills, leg muscles, and overall coordination.

### Key Features:

- Comfortable contoured saddle
- Adjustable seat height
- Foam tires for smooth riding
- Durable steel frame
- Front wheel pedals that can be fixed to the steering column handle
- Adjustable handlebar tilt
- Steering limiter for enhanced safety
- Foldable rear fork for easy conversion
- Suitable for children aged 12 months and older
- Complies with European safety standards

## 2. SAFETY INFORMATION

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Read and understand all instructions before assembly and use. Failure to follow these instructions may result in serious injury.

- **Adult Supervision Required:** Always supervise children when using the Optimus bicycle.
- **Protective Gear:** Ensure the child wears a helmet and other protective gear (knee pads, elbow pads) at all times.
- **Weight Limit:** Do not exceed the maximum recommended weight for the product.
- **Safe Riding Environment:** Use on flat, even surfaces away from traffic, stairs, hills, and swimming pools.

- **Regular Checks:** Before each use, check that all bolts, nuts, and fasteners are securely tightened. Ensure tires are in good condition.
- **No Modifications:** Do not modify the product in any way. Use only original replacement parts if needed.
- **Age Appropriateness:** This product is designed for children 12 months and older. Ensure the child's feet can comfortably reach the ground when seated.

### 3. ASSEMBLY AND CONFIGURATION

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The Milly Mally Optimus requires some assembly and can be easily reconfigured between its three modes.

#### Initial Assembly:

The product is delivered partially assembled. Follow the included graphical instructions for initial setup of the handlebar, seat, and front wheel assembly. Ensure all components click into place and are securely fastened.

#### Converting to Tricycle (without pedals):

1. Ensure the rear wheels are in the wide, tricycle position.
2. If pedals are attached, remove them from the front wheel and store them securely.
3. Adjust the seat height so the child can comfortably reach the ground with their feet.



Figure 1: Optimus configured as a tricycle without pedals. The rear wheels are spread wide for stability, and the front wheel does not have pedals attached.

### **Converting to Balance Bike:**

1. Locate the folding mechanism for the rear fork.
2. Fold the rear wheels inward so they are close together, forming a single rear wheel. This creates the balance bike configuration.
3. Ensure the folding mechanism is securely locked in place.
4. Adjust the seat height to allow the child to push off the ground with their feet.



Figure 2: Optimus configured as a balance bike. The rear wheels are folded together to create a single wheel, promoting balance development.

### **Converting to Tricycle (with pedals):**

1. Ensure the rear wheels are in the wide, tricycle position.
2. Attach the pedals to the designated slots on the front wheel. Ensure they are securely fastened.
3. The pedals can also be fixed to the steering column handle when not in use, preventing them from interfering with the child's legs in other modes.



Figure 3: Optimus configured as a tricycle with pedals. Pedals are attached to the front wheel for traditional tricycle riding.

### Adjusting Seat Height and Handlebar:



Figure 4: The seat can be adjusted up or down to suit the child's height, ensuring proper leg extension and comfort.



Figure 5: The handlebar tilt can be adjusted for optimal ergonomic positioning for the child.

To adjust the seat height, loosen the quick-release lever or bolt under the seat, slide the seat to the desired height, and securely tighten. For handlebar adjustments, refer to the specific mechanism on the steering column, typically involving a clamp or bolt to adjust tilt.

## 4. OPERATING INSTRUCTIONS

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The Milly Mally Optimus is designed to support different stages of a child's development.

### Mode 1: Tricycle without Pedals (Push Bike)

This mode is ideal for very young children (12 months and older) who are just starting to explore mobility. The child sits on the seat and pushes off the ground with their feet to move forward. This helps develop balance and coordination before introducing pedals.

### Mode 2: Balance Bike

Once the child has mastered pushing and gliding, convert the Optimus to a balance bike. In this mode, the child continues to push off the ground, but with the narrower rear wheel configuration, they learn to balance on two wheels. This is a crucial step before riding a traditional bicycle.

### Mode 3: Tricycle with Pedals

When the child is ready to pedal, attach the pedals to the front wheel. This mode allows the child to practice pedaling and steering simultaneously, providing a stable platform with three wheels.

## 5. MAINTENANCE

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Regular maintenance ensures the longevity and safe operation of your Milly Mally Optimus bicycle.

- **Cleaning:** Clean the bicycle regularly with a damp cloth and mild soap. Avoid harsh chemicals or abrasive cleaners.
- **Lubrication:** Periodically check and lubricate moving parts such as wheel axles if they become stiff.
- **Fasteners:** Regularly inspect all screws, bolts, and nuts to ensure they are tight. Tighten any loose fasteners immediately.
- **Tires:** The foam tires require minimal maintenance. Check for any damage or excessive wear.

- **Storage:** Store the bicycle in a dry place, away from direct sunlight and extreme temperatures, to prevent material degradation. The compact design allows for easy transport and storage.

## 6. TROUBLESHOOTING

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If you encounter any issues with your Milly Mally Optimus, refer to the following common solutions:

- **Difficulty Steering:** Check if the handlebar is securely tightened and if the steering limiter is not overly restrictive for the child's skill level.
- **Wobbly Wheels:** Ensure all wheel axles are properly secured. If the rear wheels are wobbly in balance bike mode, check the folding mechanism lock.
- **Pedals Not Engaging:** If using the pedal tricycle mode, ensure the pedals are correctly attached to the front wheel and are not loose.
- **Child Cannot Reach Ground:** Adjust the seat height. The seat should be low enough for the child to place their feet flat on the ground.
- **Unstable Ride:** Verify that the product is correctly assembled according to the chosen mode (tricycle or balance bike) and that all locking mechanisms are engaged.

If problems persist, contact customer support for assistance.

## 7. SPECIFICATIONS

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Feature	Detail
Product Dimensions (L x W x H)	58 x 45 x 47.5 cm
Item Weight	3.1 Kilograms
Recommended Age	12 months and up
Model Number	5901761125085
Main Material	Plastic, Steel frame
Color	Pink
Assembly Required	Yes
Batteries Required	No
Educational Value	Develops motor skills, leg muscles, and general coordination



Figure 6: Diagram showing the dimensions of the Milly Mally Optimus in various configurations.

## 8. WARRANTY AND SUPPORT

This product is covered by a standard return policy, typically 30 days from the date of purchase. For specific warranty details or to report any defects, please refer to your purchase documentation or contact the retailer directly.

For technical support, missing parts, or further assistance, please contact Milly Mally customer service through their official website or the contact information provided with your purchase. Please have your model number (Optimus 5901761125085) and proof of purchase ready.