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UGEARS UGR-10

UGEARS Motorcycle with Sidecar Scrambler UGR-10 Instruction Manual

Model: UGR-10 (70137)

Introduction

This manual provides detailed instructions for the assembly, operation, and maintenance of your UGEARS Motorcycle with Sidecar Scrambler UGR-10 mechanical 3D wooden puzzle. Designed for enthusiasts aged 14 and up, this model offers an engaging building experience resulting in a functional, self-propelled wooden motorcycle with a detachable sidecar.

Safety Information

Warning: Not suitable for children under 36 months due to small parts. Adult supervision is recommended during assembly and operation. Keep all components away from open flames and excessive moisture. Handle wooden parts with care to avoid breakage.

Package Contents

Your UGEARS Motorcycle with Sidecar Scrambler UGR-10 kit includes:

- Laser-cut wooden sheets containing 380 precision-cut components.
- Assorted rubber bands for the mechanical motor.
- Sandpaper for smoothing edges (if necessary).
- Detailed instruction manual with diagrams.



Image: The UGEARS Scrambler UGR-10 kit, showing the assembled model and its packaging.

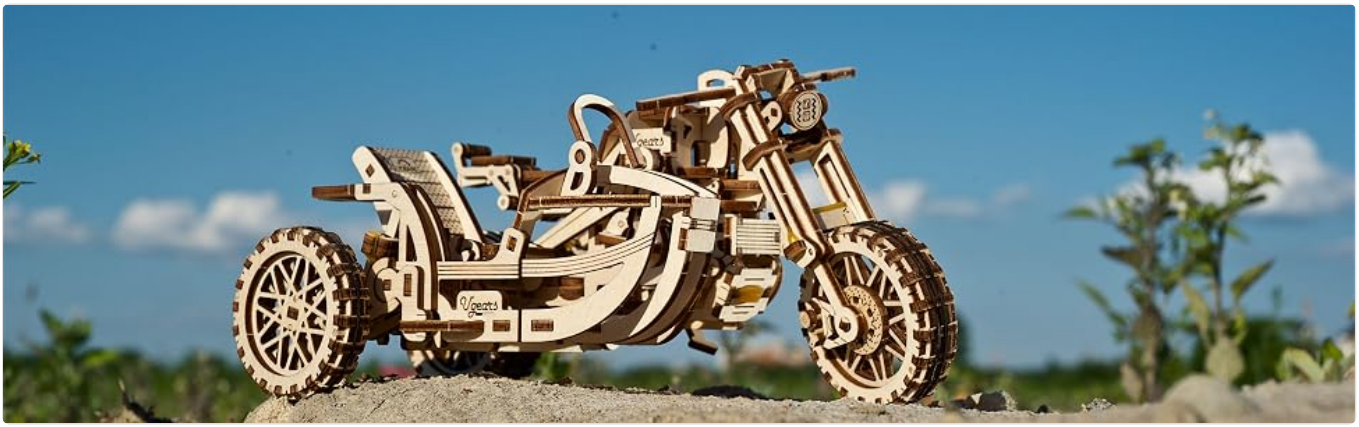

Image: Close-up of the laser-cut wooden sheets containing the puzzle components.

Assembly Instructions

The UGEARS Scrambler UGR-10 is designed for assembly without glue or special tools. Follow the step-by-step diagrams provided in the included manual. Estimated assembly time is approximately 8 hours. Patience and attention to detail are key for a successful build.

General Assembly Tips:

- Carefully remove parts from the wooden sheets. If a part is difficult to remove, gently use a hobby knife or the provided

sandpaper to ease it out.

- Use the sandpaper to smooth any rough edges on the parts, ensuring smooth movement for gears and connecting elements.
- Pay close attention to the orientation of parts as shown in the diagrams.
- Do not force parts together. If a connection is too tight, use sandpaper to slightly reduce the size of the peg or hole.
- Lubricate moving parts with wax (not included, but often recommended for wooden gears) for optimal performance.

Key Assembly Features:

The model features a working rubber band motor, moving pistons, and a realistic dual-suspension system. The sidecar is designed to be detachable, allowing for two distinct display or play configurations.



Image: The assembled UGEARS Scrambler UGR-10 motorcycle without its sidecar.



Image: A hand demonstrating the detachment of the sidecar from the motorcycle.

Assembly Video Guide:

▶ **Watch video online**
UGEARS Motorcycle with Sidecar 3D Puzzles - UGR-10 Scrambler

Video: Official UGEARS video showcasing the assembly process and features of the Motorcycle with Sidecar Scrambler UGR-10. This video provides a visual guide to the model's construction and functionality.

Operating Instructions

Once assembled, your UGEARS Scrambler UGR-10 is ready for operation. The model is powered by a rubber band motor.

Winding the Motor:

1. Locate the winding mechanism, typically a small lever or gear on the side of the motorcycle.
2. Gently turn the winding mechanism to tension the rubber bands. Do not over-wind, as this can damage the mechanism or break the rubber bands.
3. You will feel resistance as the bands tension. Stop winding when significant resistance is met.

Releasing the Mechanism:

Place the motorcycle on a flat, smooth surface. Release the brake lever or mechanism to allow the stored energy in the rubber bands to propel the model forward. Observe the moving pistons and the functional suspension as the model moves.



Image: A hand holding the assembled motorcycle with sidecar, illustrating its compact size and handling.



Image: The UGEARS Scrambler UGR-10 model positioned on a rocky terrain, showcasing its robust design.

Maintenance

To ensure the longevity and smooth operation of your UGEARS model, follow these maintenance guidelines:

- **Cleaning:** Dust the model regularly with a soft, dry cloth or a soft brush. Avoid using water or chemical cleaners, as these can damage the wood.
- **Lubrication:** For optimal performance of moving gears and axles, apply a small amount of paraffin wax or a specialized wooden gear lubricant to contact points.
- **Storage:** Store the model in a dry environment, away from direct sunlight and extreme temperature fluctuations, which can cause the wood to warp or crack.
- **Rubber Bands:** Over time, rubber bands may lose elasticity. Replacement bands can be sourced from UGEARS or general hobby stores.

Troubleshooting

If your model is not functioning as expected, consider the following common issues and solutions:

- **Gears Jamming:** This is often caused by friction or misaligned parts. Ensure all gears are properly seated and rotate freely. Apply wax to all gear teeth and axle points. Check for any small wooden debris that might be obstructing movement.
- **Model Not Moving:** Verify that the rubber band motor is correctly installed and sufficiently wound. Ensure the release mechanism is fully disengaged. Check for any parts that might be binding or preventing free movement of the wheels or drive train.
- **Parts Breaking:** While UGEARS models are durable, small parts can break if excessive force is applied during assembly or operation. If a non-moving part breaks, wood glue can be used for repair. For critical moving parts, contact UGEARS support for potential replacement parts.
- **Sidecar Detachment Issues:** Ensure the connection points for the sidecar are clear of debris and properly aligned. Do not force the sidecar on or off.

Specifications

Product Dimensions	8.66 x 8.66 x 0.04 inches (unassembled sheet size)
Item Weight	1.1 pounds
Model Number	70137
Number of Components	380
Estimated Assembly Time	8 hours
Recommended Age	14 years and up

Warranty and Support

UGEARS products are manufactured with high-quality materials and precision. For any questions regarding assembly, missing parts, or operational issues, please refer to the contact information provided on the product packaging or visit the official UGEARS website for customer support. Specific warranty details may vary by region; please retain your proof of purchase.

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

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