

ROBOTIME MCD02

ROBOTIME MCD02 Ship Gravity Swing Wooden 3D Puzzle Instruction Manual

Brand: ROBOTIME | Model: MCD02

INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your ROBOTIME MCD02 Ship Gravity Swing Wooden 3D Puzzle. This unique wooden model combines the concept of a fishing boat with a gravity-driven kinetic balance mechanism. Designed for individuals aged 14 and above, it offers an engaging building experience and results in a dynamic display piece.

SAFETY INFORMATION

- Keep small parts away from children under 3 years old to prevent choking hazards.
- Handle wooden pieces carefully to avoid splinters.
- Do not apply excessive force during assembly, as this may damage the delicate wooden components.
- Ensure the assembly area is clean and well-lit.

PACKAGE CONTENTS

Your ROBOTIME MCD02 kit includes:

- 161 pre-cut wooden pieces
- Illustrated instruction booklet
- Necessary accessories for assembly (e.g., small rods, string)

No additional tools or glue are required for assembly.

ASSEMBLY INSTRUCTIONS

Follow the step-by-step instructions provided in the included booklet. The puzzle features mortise and tenon joints for a secure, glue-free assembly. Average assembly time is approximately 2 hours.

General Assembly Tips:

1. **Identify all parts:** Before starting, carefully punch out all pieces from the wooden sheets and organize them according to their numbers.
2. **Refer to the diagrams:** Each step in the instruction booklet includes clear diagrams. Pay close attention to the orientation of each piece.
3. **Gentle pressure:** Apply gentle, even pressure when connecting pieces. Avoid forcing them, as this can cause breakage.
4. **Test movements:** For moving parts, ensure they can move freely after assembly. Do not overtighten or glue moving joints.

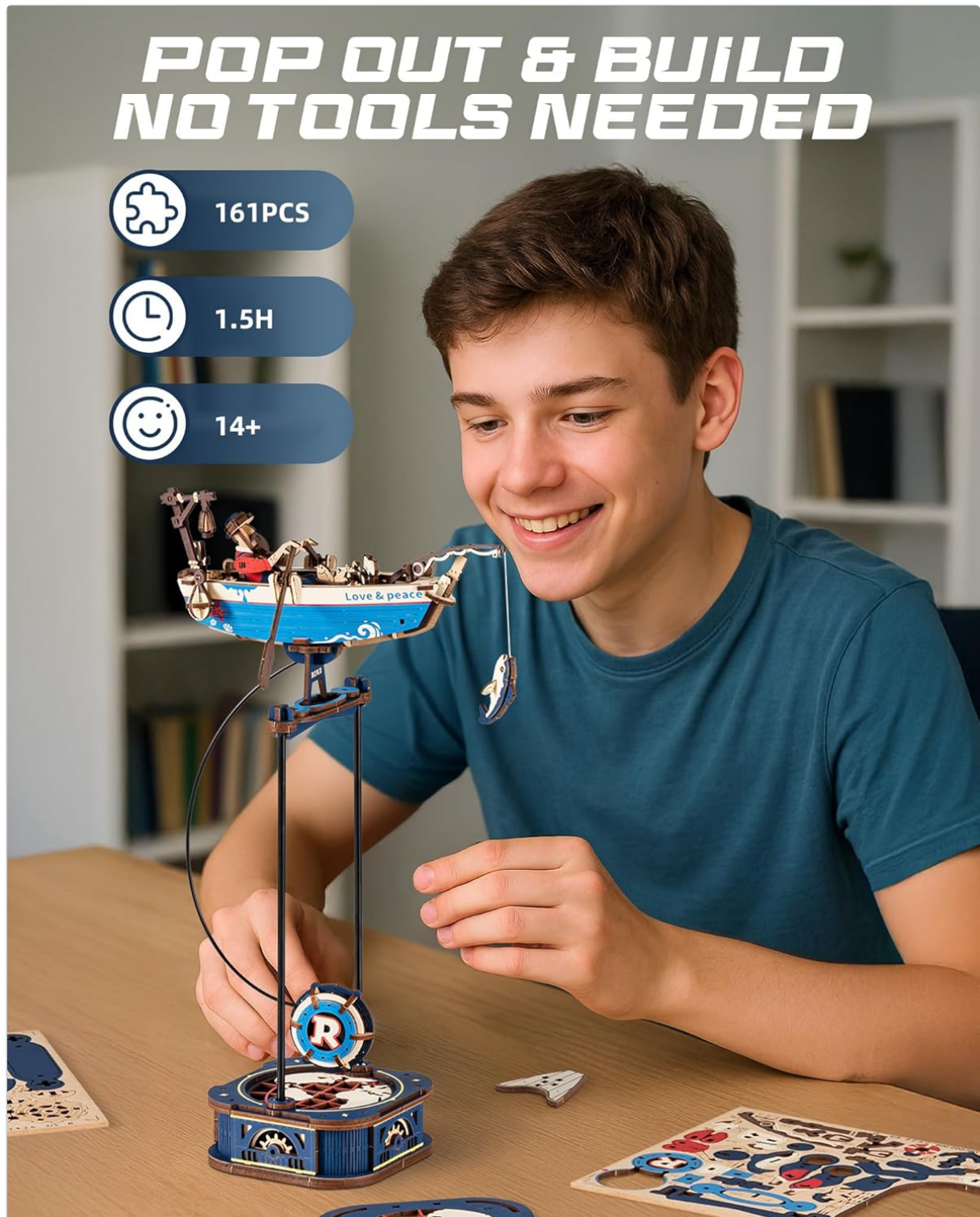


Image: Assembly in progress, showing the pre-cut wooden pieces and the partially assembled ship model.



Image: Detailed view of individual components like the fisherman, dog, fish basket, and compass, ready for assembly.

OPERATING INSTRUCTIONS

Once fully assembled, the Ship Gravity Swing Model operates through a kinetic balance system. To activate the motion:

1. Place the assembled model on a stable, flat surface.
2. Gently turn the gravity hammer (the weighted pendulum at the bottom).
3. The oars of the boat will begin to swing, creating a continuous, soothing motion.

The model is designed for kinetic motion and does not require batteries.

EVEN THE CAT IS CURIOUS

A gentle swing becomes a playful moment for curious friends



Image: The fully assembled model demonstrating its gravity swing motion on a desk.

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Video: A demonstration of the ROBOTIME 3D wooden puzzle's gravity swing mechanism in action.

MAINTENANCE

- **Cleaning:** Dust the model regularly with a soft, dry cloth. Avoid using wet cloths or harsh cleaning agents.
- **Storage:** Store the model in a dry environment, away from direct sunlight or extreme temperature changes, to prevent warping or damage to the wood.
- **Handling:** Handle the model by its base to avoid stressing delicate components.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Model does not swing smoothly or stops quickly.	<ul style="list-style-type: none">◦ Friction in moving parts.◦ Improper assembly of the gravity hammer or connecting rods.◦ Uneven surface.	<ul style="list-style-type: none">◦ Check all moving joints to ensure they are not too tight. Gently loosen if necessary.◦ Re-examine the assembly steps for the pendulum system.◦ Place the model on a perfectly flat and stable surface.
Pieces do not fit together.	<ul style="list-style-type: none">◦ Incorrect piece orientation.◦ Excess material around the joints.	<ul style="list-style-type: none">◦ Double-check the instruction diagrams for correct orientation.◦ Gently sand or trim any excess wood with fine-grit sandpaper or a small craft knife (use caution).

SPECIFICATIONS

Feature	Detail
Brand	ROBOTIME
Model Number	MCD02
Material	Wood
Number of Pieces	161
Approximate Assembly Time	2 hours
Assembled Dimensions (L x W x H)	13.39 x 1.5 x 8.27 inches (34 x 3.81 x 21 cm)
Item Weight	0.31 Kilograms (10.9 ounces)
Recommended Age	14+ (Adult)

WARRANTY AND SUPPORT

ROBOTIME offers a free replacement parts service. If you encounter any issues during assembly or find any missing/damaged parts, please contact ROBOTIME customer support for assistance. We are committed to providing a satisfactory resolution.

For further inquiries or support, please visit the official ROBOTIME store or contact their customer service channels.

