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› UGEARS Mini Helicopter Model Kit (70225) Instruction Manual

UGEARS Mini Helicopter

UGEARS Mini Helicopter Model Kit Instruction Manual

Model: Mini Helicopter (70225)

Brand: UGEARS

INTRODUCTION

This manual provides detailed instructions for assembling and operating your UGEARS Mini Helicopter mechanical 3D puzzle. Please read all instructions carefully before beginning assembly to ensure a smooth and enjoyable building experience.

SAFETY INFORMATION

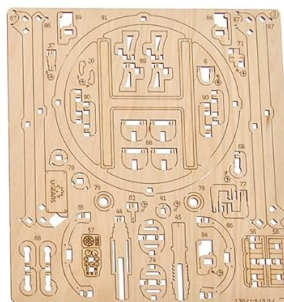
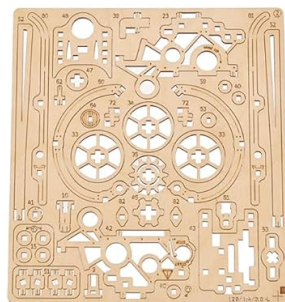
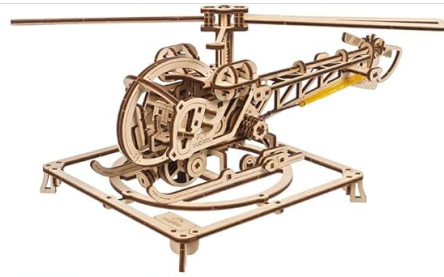
WARNING: CHOKING HAZARD - Small Parts.

This product is not suitable for children under 3 years due to small parts. Keep all components out of reach of young children. Adult supervision is recommended during assembly.

PACKAGE CONTENTS

Before starting assembly, please verify that all components listed below are present in your kit.

ILLUSTRATED INSTRUCTIONS IN 11 LANGUAGES



LASER PRE-CUT PLYWOOD BOARDS

EVERYTHING IN THE BOX

Image: All components included in the UGEARS Mini Helicopter kit, laid out on a surface. This includes several sheets of laser-cut plywood, a small bag of rubber bands, a length of fishing line, a block of paraffin wax, a piece of sandpaper, and the instruction manual.

- Laser-cut plywood boards
- Rubber bands
- Fishing line
- Paraffin wax
- Sandpaper
- Illustrated Instruction Booklet

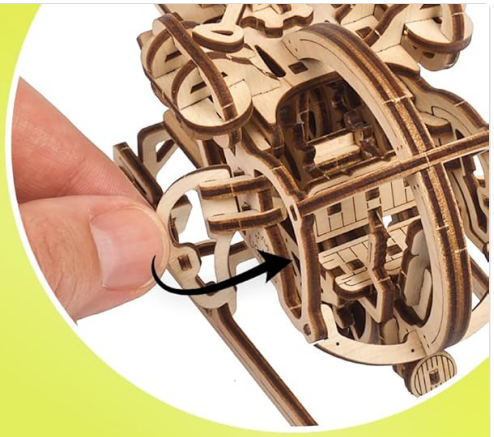
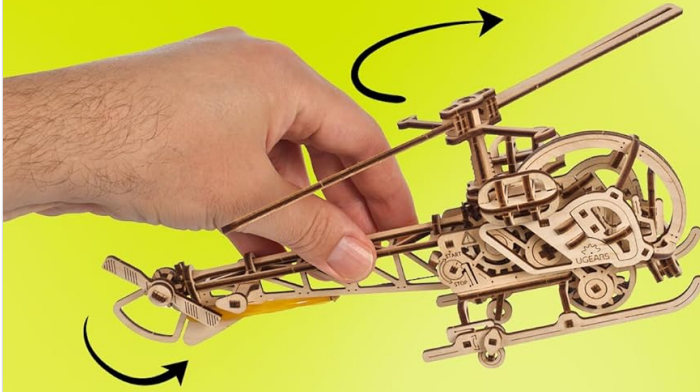
Note: No glue or special tools are required for assembly. All parts interlock precisely.

ASSEMBLY INSTRUCTIONS

The UGEARS Mini Helicopter model kit consists of 167 precision-cut pieces. The estimated assembly time is approximately 3 hours. Carefully follow the detailed, illustrated instructions provided in the included booklet for step-by-step guidance.

Important: Gently remove parts from the plywood sheets. Use the provided sandpaper and paraffin wax as instructed to ensure smooth movement of all mechanical parts. Proper waxing is crucial for optimal functionality.

**TURNING TAIL UND MAIN ROTOR
CAN TRAVEL 150 CM**



**RETRACTABLE REAR
WHEELS, LANDING SKIDS**



**TWIN SEATER COCKPIT
WITH CYCLIC STICK
CONTROLS
DOORS THAT OPEN**

**HELIPAD –
AN ATTRACTIVE
STATIC DISPLAY**



Image: A hand carefully detaching a small, intricate wooden piece from a larger plywood sheet, demonstrating the initial step of assembly.



GIVE THE JOY OF CREATION. GIVE UGEARS

Image: Two hands interlocking wooden components of the helicopter, illustrating the glue-free assembly process. For additional visual guidance, refer to the official assembly video below:

Your browser does not support the video tag.

Video: An official UGEARS video demonstrating key assembly steps and the functionality of the Mini Helicopter model.

OPERATING INSTRUCTIONS

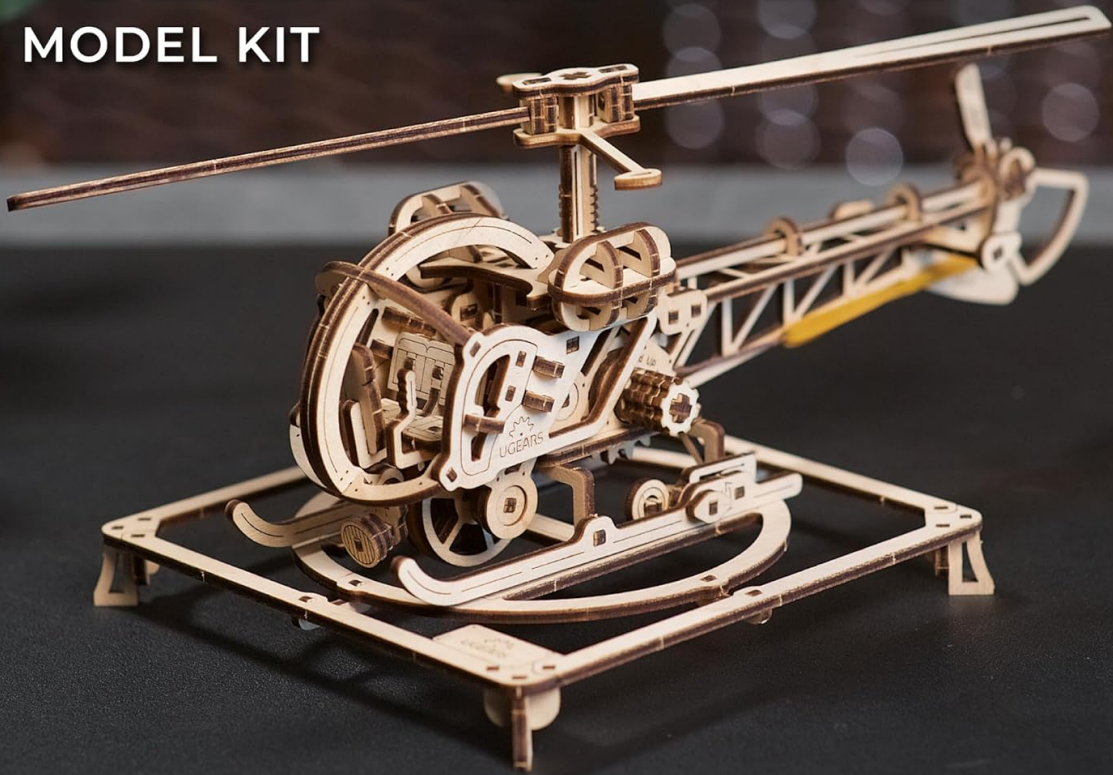
Once fully assembled, your UGEARS Mini Helicopter features a rubber band motor for dynamic movement and interactive features.

Activating the Mechanism

To activate the main and tail rotors, gently wind the rubber band motor as indicated in the instruction booklet. Once wound, release the mechanism to observe the rotors spinning. The model can travel approximately 150 cm on a flat, smooth surface.

MINI HELICOPTER

MODEL KIT



ASSEMBLE ME.
LET YOUR IMAGINATION SOAR TO THE SKY!

Image: A hand interacting with the assembled helicopter, demonstrating how to prepare the mechanical components for movement.

Dynamic Features

- **Rotating Main and Tail Rotors:** The primary and tail rotors are designed to spin when the internal mechanism is engaged.
- **Retractable Rear Wheels:** The rear wheels can be manually retracted or extended for display or movement.
- **Opening Doors:** The cockpit doors can be opened and closed.
- **Adjustable Searchlight:** The searchlight component can be adjusted.

MAINTENANCE

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

- **Lubrication:** Periodically apply paraffin wax to all moving gears, axles, and connections as indicated in the assembly instructions. This reduces friction and ensures smooth mechanical action.
- **Cleaning:** Dust the model regularly with a soft, dry cloth. Avoid using water, chemical cleaners, or abrasive materials, as these can damage the wood.

- **Storage:** Store the model in a dry environment away from direct sunlight, high humidity, and extreme temperature fluctuations. These conditions can cause the wood to warp or crack.

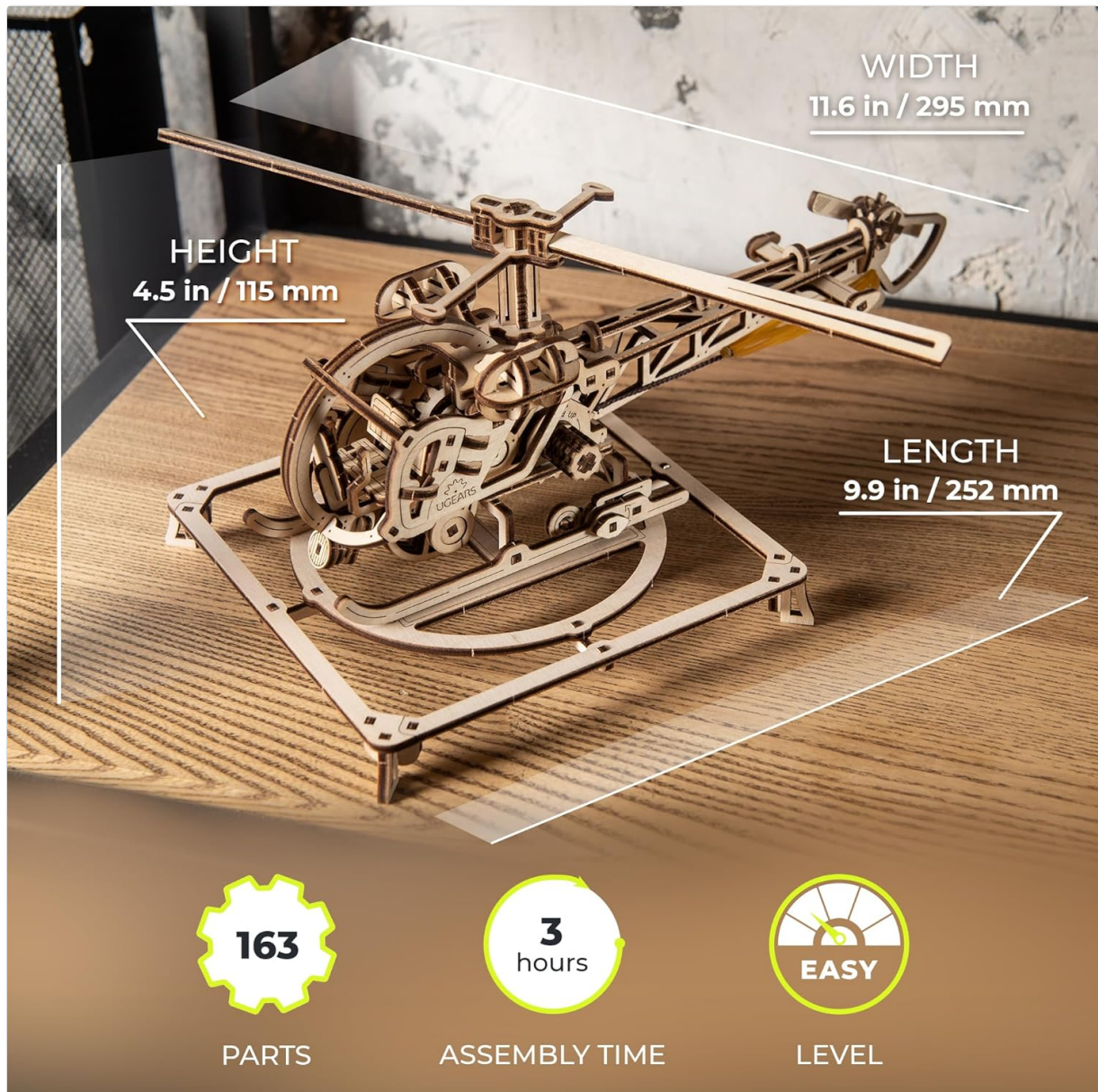


Image: The completed UGEARS Mini Helicopter model resting on its display stand, ready for showcasing.

TROUBLESHOOTING

Model Not Moving Smoothly or Rotors Not Spinning

- **Check for Friction:** Ensure all gears and moving parts are adequately waxed. Reapply paraffin wax to any areas that appear stiff or are causing resistance.
- **Part Alignment:** Verify that all parts are correctly aligned and that no pieces are binding or rubbing against each other. Refer to the instruction booklet for precise placement.
- **Loose Connections:** Confirm that all connections are secure. However, avoid forcing parts together too tightly, as this can also impede movement.

Parts Breaking During Assembly

- **Gentle Handling:** Wooden parts, especially thin tabs, can be delicate. Apply gentle, even pressure when detaching pieces from the sheets and during assembly.
- **Sanding Tight Fits:** If a connection feels too tight, lightly sand the connecting tabs with the provided

sandpaper. Do not sand excessively, as this can result in a loose fit.

SPECIFICATIONS

Feature	Detail
Brand	UGEARS
Model Number	70225
Material	Engineered Wood (Plywood)
Number of Pieces	167
Assembly Time	Approximately 3 hours
Recommended Age	14+ years (Manufacturer Minimum Age: 168 months)
Operation Mode	Manual (Rubber band motor)
Assembled Dimensions (L x W x H)	9.9" x 4.5" x 11.6" (252mm x 115mm x 295mm)
Educational Objective	Concentration Skill, Hand-Eye Coordination, Patience Skill, Problem Solving Skill

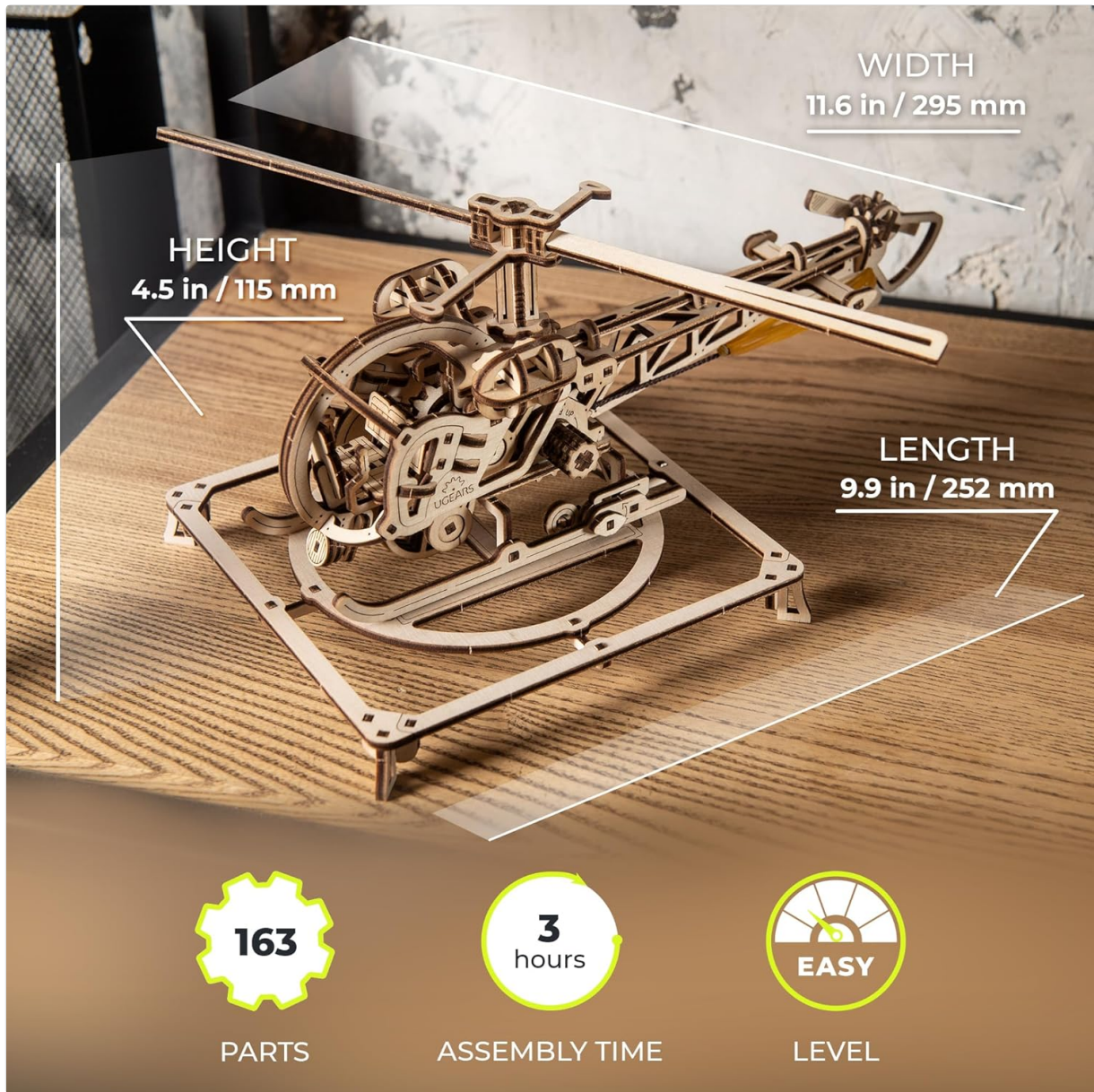


Image: A visual representation of the UGEARS Mini Helicopter with its key dimensions labeled: Length 9.9 inches (252 mm), Width 11.6 inches (295 mm), and Height 4.5 inches (115 mm).

WARRANTY AND SUPPORT

UGEARS provides a manufacturer's warranty for this product. For specific warranty details or technical support, please refer to the contact information provided in your product packaging or visit the official UGEARS website.

Online Resources: For additional assembly tips, frequently asked questions (FAQs), and customer service, visit the official UGEARS website: ugearsmodels.com.