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## Yutin YT1002

# Yutin Dinosaur STEM Kits User Manual

Model: YT1002

## INTRODUCTION

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This manual provides comprehensive instructions for assembling, operating, and maintaining your Yutin 4-in-1 Dinosaur STEM Kits. Designed for children aged 6-12, these kits offer an engaging way to learn about STEM principles through hands-on construction of Tyrannosaurus Rex, Triceratops, Pterosaur, and Brachiosaurus models.



Image: The complete Yutin 4-in-1 Dinosaur STEM Kits, showing the packaging and the four assembled wooden dinosaur models: Tyrannosaurus Rex, Triceratops, Pterosaur, and Brachiosaurus, along with their remote controls.

## PACKAGE CONTENTS

Your Yutin Dinosaur STEM Kit package should contain the following items:

- 4 x Wooden Dinosaur Puzzle Sets (Tyrannosaurus, Triceratops, Pterosaur, Brachiosaurus)
- 4 x Motor and Battery Box Assemblies (one for each dinosaur model)
- Necessary Screws and Fasteners
- Detailed Instruction Manuals (one for each model)
- Small Screwdriver (for assembly)

# 3D Dinosaur Wooden Puzzle



Image: A close-up view of un assembled wooden puzzle pieces for a dinosaur model, along with a small screwdriver and screws, illustrating the components included in the kit.

## SAFETY INFORMATION

Please read and understand all safety precautions before assembly and operation.

- **Choking Hazard:** Contains small parts. Not suitable for children under 3 years. Adult supervision is recommended for children aged 6-8.
- **Material Safety:** Made from non-toxic plywood with smooth surfaces and rounded corners.
- **Battery Safety:** Use appropriate batteries (not included). Do not mix old and new batteries. Do not mix alkaline, standard (carbon-zinc), or rechargeable (nickel-cadmium) batteries. Insert batteries with correct polarity. Remove batteries if the toy is not used for a long period.
- **Electrical Components:** Handle motor and wiring carefully. Do not expose to water.

## SETUP AND ASSEMBLY

Follow these steps to assemble your dinosaur models. Each model has its own specific instruction manual for detailed steps.

1. **Prepare the Workspace:** Find a clean, flat, and well-lit surface for assembly.
2. **Identify Components:** Carefully pop out all wooden puzzle pieces from their boards. Refer to the individual model's instruction manual to identify each piece.
3. **Assemble the Wooden Structure:** Follow the step-by-step diagrams in the manual to connect the wooden pieces. Pieces are designed to fit together without glue.
4. **Install Electrical Components:** Once the wooden structure is largely complete, integrate the motor and battery box assembly as indicated in the manual. Secure with provided screws using the small screwdriver.
5. **Insert Batteries:** Open the battery compartment on the battery box and insert the required batteries (typically AA, not included), ensuring correct polarity. Close the compartment securely.
6. **Test Functionality:** Before fully securing all panels, perform a quick test to ensure the motor and remote control function correctly.



Image: Several children are gathered around a table, actively engaged in assembling the wooden dinosaur STEM kits, demonstrating the

hands-on nature of the activity.



Image: A parent and child are sitting on the floor, working together to assemble one of the wooden dinosaur STEM kits, highlighting the collaborative aspect of the toy.

## OPERATING INSTRUCTIONS

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Once assembled and batteries are installed, your dinosaur models are ready for operation.

- **Power On:** Locate the ON/OFF switch on the battery box of each dinosaur model and switch it to the 'ON' position.
- **Remote Control:** Each dinosaur model is controlled by its dedicated remote.
  - For walking dinosaurs (Tyrannosaurus Rex, Triceratops, Brachiosaurus): Use the buttons on the remote to make them move *forward* or *backward*.
  - For the Pterosaur: Use the remote to activate its *flapping wings* mechanism.
- **Exploration:** Experiment with the controls to observe the unique movements and features of each dinosaur.

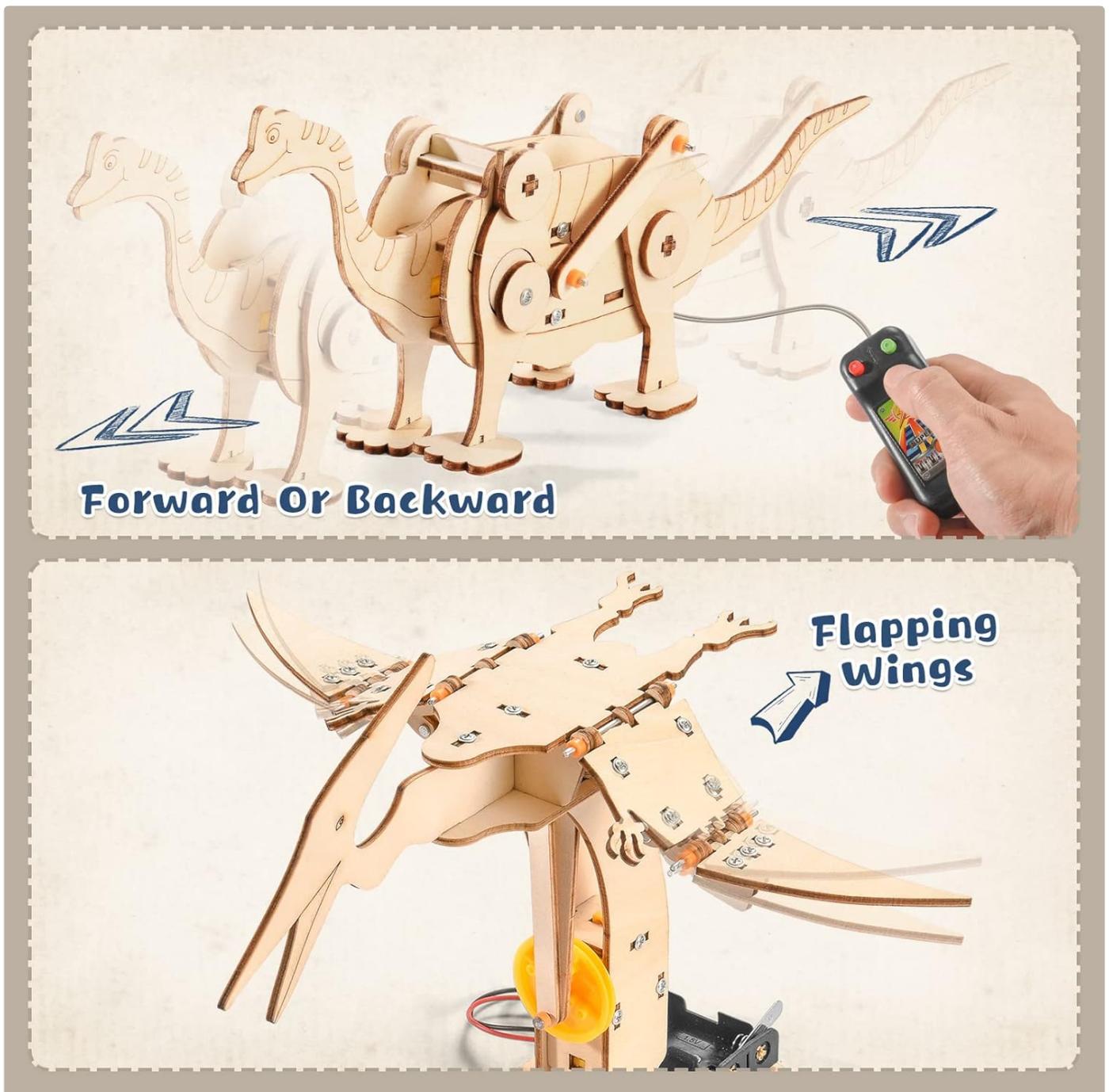
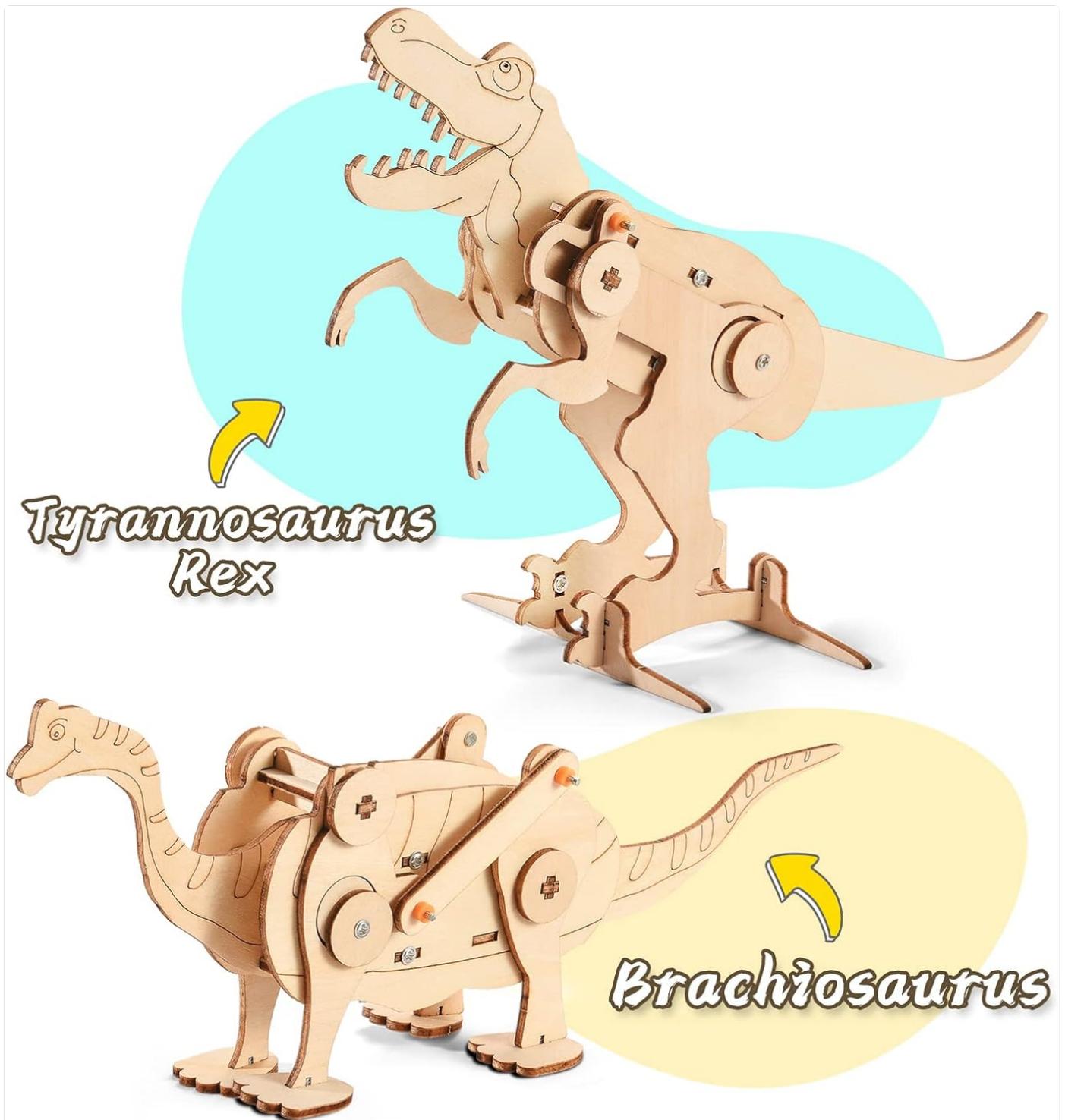


Image: Two panels showing the operational features: the top panel illustrates a Brachiosaurus model moving forward or backward with a remote control, and the bottom panel shows a Pterosaur model with its wings flapping.



**Tyrannosaurus  
Rex**

**Brachiosaurus**

Image: Two distinct wooden dinosaur models: a Tyrannosaurus Rex with its powerful stance and a Brachiosaurus with its long neck, showcasing their unique designs.

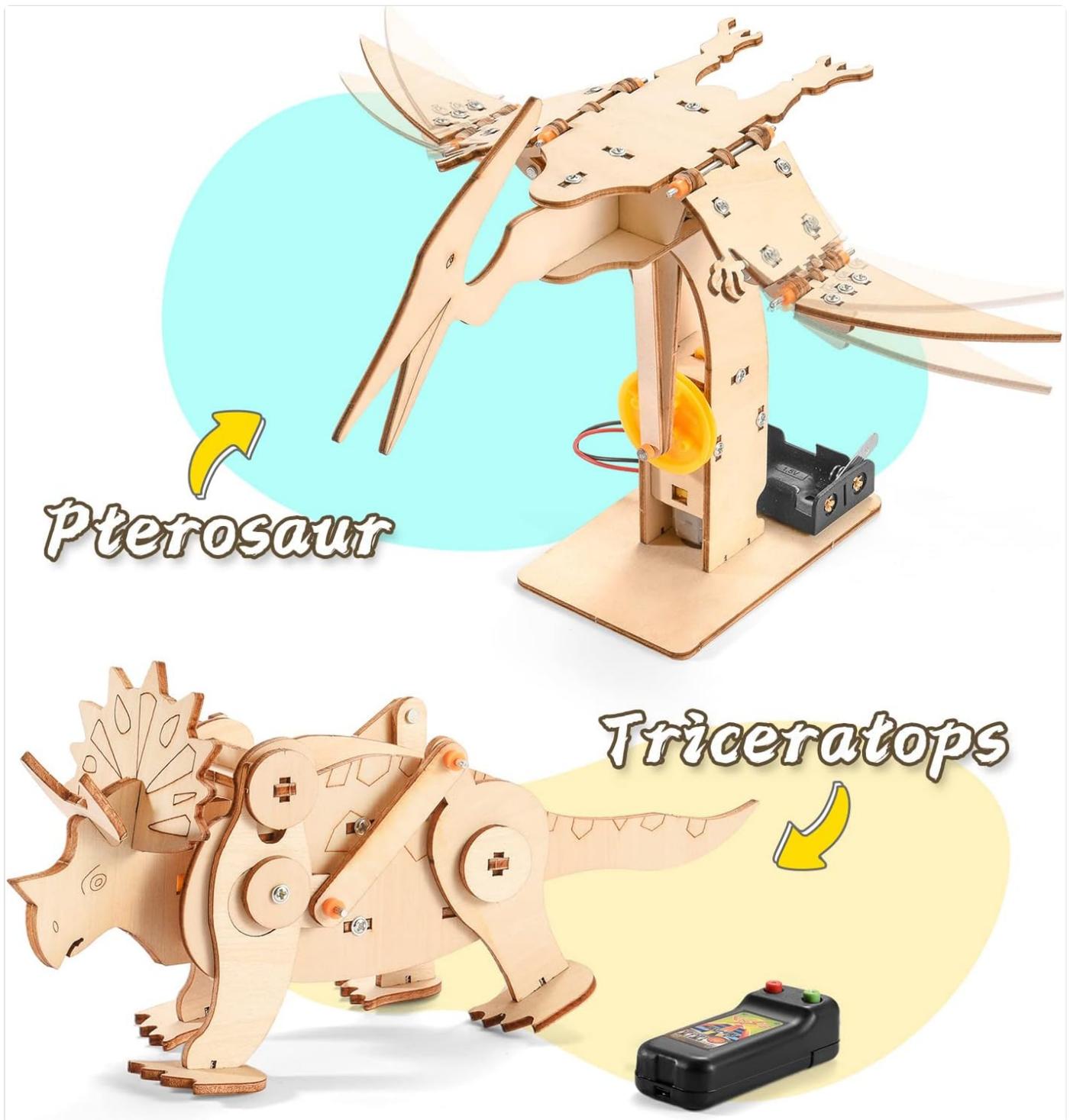


Image: Two distinct wooden dinosaur models: a Pterosaur with its wings extended on a stand, and a Triceratops with its distinctive frill and horns, highlighting their unique designs.

## MAINTENANCE

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Proper care will ensure the longevity of your dinosaur models.

- **Cleaning:** Wipe the wooden surfaces with a dry, soft cloth. Do not use water or harsh cleaning agents, as this can damage the wood and electrical components.
- **Storage:** Store the models in a dry place away from direct sunlight and extreme temperatures to prevent warping or damage to the wood.
- **Battery Replacement:** Replace batteries when the models' movements become sluggish or stop functioning. Always replace all batteries in a set.
- **Component Check:** Periodically check that all screws are tight and wooden pieces are securely fitted.

## TROUBLESHOOTING

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If you encounter any issues, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Dinosaur does not move or wings do not flap.	<ul style="list-style-type: none"><li>◦ Batteries are dead or incorrectly inserted.</li><li>◦ Power switch is OFF.</li><li>◦ Loose wire connection.</li><li>◦ Motor malfunction.</li></ul>	<ul style="list-style-type: none"><li>◦ Replace batteries with new ones, ensuring correct polarity.</li><li>◦ Switch the power to 'ON'.</li><li>◦ Check all wire connections and ensure they are secure.</li><li>◦ If motor still doesn't work, contact customer support.</li></ul>
Wooden pieces do not fit together.	<ul style="list-style-type: none"><li>◦ Incorrect piece orientation.</li><li>◦ Excess material from laser cutting.</li></ul>	<ul style="list-style-type: none"><li>◦ Refer to the instruction manual diagrams carefully.</li><li>◦ Gently sand or trim any small burrs if necessary (adult supervision required).</li></ul>
Dinosaur moves sluggishly.	<ul style="list-style-type: none"><li>◦ Low battery power.</li><li>◦ Friction in moving parts.</li></ul>	<ul style="list-style-type: none"><li>◦ Replace batteries.</li><li>◦ Ensure all moving joints are free from obstruction and move smoothly.</li></ul>

## SPECIFICATIONS

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Feature	Detail
Product Model Number	YT1002
Product Dimensions	10 x 9 x 1.7 inches (packaging)
Item Weight	1.3 pounds
Recommended Age	6 - 16 years
Material	Non-toxic Plywood
Power Source	Batteries (not included)
Kit Contents	4 x Wooden Dinosaur Puzzle Sets (Tyrannosaurus, Triceratops, Pterosaur, Brachiosaurus)

## WARRANTY AND SUPPORT

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Yutin is committed to producing high-quality toy products. If you encounter any issues or have questions regarding your Dinosaur STEM Kits, please contact the seller or manufacturer directly. While specific warranty details are not provided in this manual, standard return policies typically allow for returns or replacements within 30 days of purchase for defective items.

For further assistance, please refer to the contact information provided with your purchase or visit the official Yutin store online.



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