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› ROBOTIME Luminous Globe 3D Wooden Puzzle Instruction Manual, Model ST003

ROBOTIME ST003

ROBOTIME Luminous Globe 3D Wooden Puzzle Instruction Manual

Model: ST003

INTRODUCTION

Thank you for choosing the ROBOTIME Luminous Globe 3D Wooden Puzzle. This DIY mechanical craft kit allows you to assemble a beautiful and functional globe with an integrated LED light. Designed for adults, it offers an engaging and educational experience, enhancing understanding of geography and mechanical principles. The assembled globe features a 360-degree rotating mechanism, a 25mm magnifying glass for detailed map viewing, and a vintage aesthetic.



Image: Assembled Luminous Globe held by a person.

PACKAGE CONTENTS

Before beginning assembly, please verify that all components are present in your package.

- 180 pre-cut wooden blocks
- Illustrated English instruction manual
- LED light module
- Additional assembly tools (e.g., screwdriver, sandpaper if needed)
- Map film sheets

3. **Assemble the Core Globe:** Begin by assembling the inner structure of the globe, including the translucent map film. Ensure the map sections align correctly.
4. **Integrate LED Light:** Install the LED light module as directed in the manual. Ensure proper connection for illumination.
5. **Build Mechanical Gears:** Assemble the intricate gear system that allows the globe to rotate. Pay close attention to the alignment of gears for smooth operation.
6. **Construct Outer Frame and Base:** Build the outer frame, including the Gothic Latitude Bracket, and attach it to the base.
7. **Final Touches:** Attach the 25mm magnifying glass and any remaining decorative elements.



Image: Hands assembling a wooden puzzle piece, illustrating the DIY process.



Image: Detailed view of puzzle piece assembly.

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Video: A short demonstration of the assembly process and key features of the Luminous Globe, including the mortise and tenon technology, rotation, and time zone signs.

OPERATING INSTRUCTIONS

Once assembled, your Luminous Globe offers several interactive features:

- **Rotation:** Use the control knob on the base to manually rotate the globe 360 degrees. The mechanical gear system ensures smooth movement.
- **LED Illumination:** Connect the LED light module to a power source (2 AA batteries, not included, or USB power if applicable) to illuminate the globe. This transforms it into a desk lamp, allowing you to explore the world in the dark.
- **Magnifier:** Utilize the 25mm miniature magnifying glass to view fine details on the map. The magnifier can be moved along the globe's surface.



Image: Detailed features including the magnifier, gears, and time zone indicators.



180pcs-Self Assemble



No Glue Needed



Image: Luminous Globe functioning as a night lamp.

MAINTENANCE

To ensure the longevity and optimal performance of your Luminous Globe, follow these maintenance guidelines:

- **Cleaning:** Gently wipe the wooden surfaces with a dry, soft cloth. Avoid using abrasive cleaners or excessive moisture, which can damage the wood.
- **Dusting:** Regularly dust the globe and its mechanical parts to prevent accumulation that could hinder rotation.
- **Storage:** Store the globe in a dry environment, away from direct sunlight or extreme temperature changes, to prevent warping or fading of the wood.
- **Battery Replacement:** If the LED light dims or stops working, replace the AA batteries (if battery-powered) with

new ones. Ensure correct polarity.

- **Gear Lubrication (Optional):** If the gears become stiff over time, a small amount of dry lubricant (e.g., graphite powder) can be applied to the contact points, avoiding liquid lubricants.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Pieces do not fit together	Incorrect orientation; rough edges; excessive force applied.	Ensure pieces are oriented correctly according to the manual. Gently sand any rough edges. Do not force pieces; if they don't fit, recheck the step.
Globe does not rotate smoothly	Gears misaligned; dust/debris in mechanism; pieces not fully seated.	Inspect gear alignment and ensure all pieces are securely assembled. Clean any visible dust or debris. Apply a small amount of dry lubricant if necessary.
LED light does not turn on	Batteries inserted incorrectly; dead batteries; loose connection.	Check battery polarity and ensure they are new or fully charged. Verify all electrical connections for the LED module are secure.
Map film is wrinkled or misaligned	Improper application during assembly.	Carefully re-adjust the map film. Ensure it is smoothed out during application to avoid wrinkles.

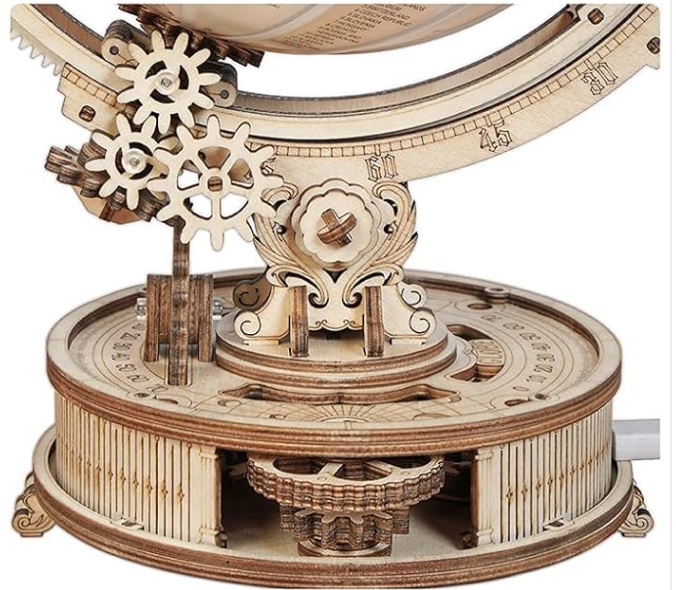
SPECIFICATIONS

Feature	Detail
Brand	ROBOTIME
Model Number	ST003
Number of Pieces	180
Assembled Dimensions (L x W x H)	20.3 x 16.7 x 29.3 cm (approx. 8 x 6.6 x 11.5 inches)
Material	Wood (BPA-free, phthalate-free, PVC-free, lead-free, latex-free)
Power Source for LED	2 AA batteries (not included)
Educational Objective	Patience training, geography, mechanical understanding
Recommended Age	14 to 99 years
Special Features	Luminous (LED light), Mechanical Gear Rotation, 25mm Magnifier

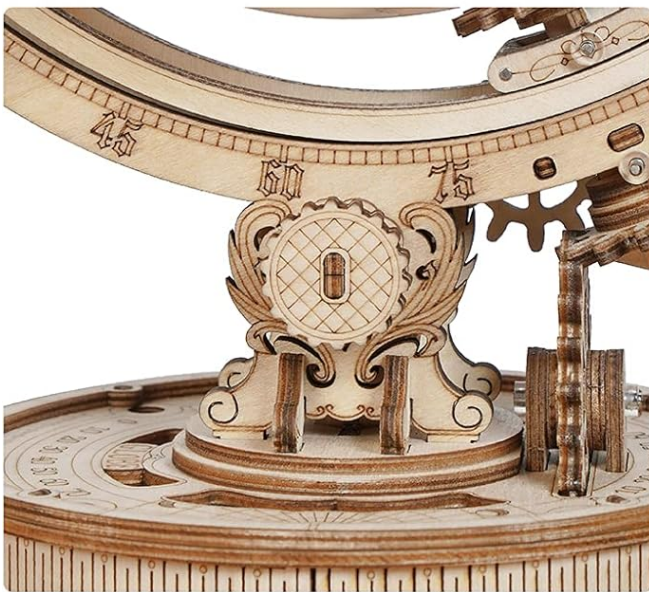
Map Search Magnifier



Transmission Gear of Globe



Latitude Control Knob



Time Zone Schematic Module



Image: Dimensions of the assembled Luminous Globe.

WARRANTY AND SUPPORT

ROBOTIME is committed to providing high-quality products. If you encounter any issues with missing or damaged parts, or require assistance with assembly, please contact ROBOTIME customer support. Refer to the contact information provided in your product packaging or visit the official ROBOTIME website for support.

For further information and to explore other products, visit the [ROBOTIME Store on Amazon](#).

