

ROBOTIME ST003

ROBOTIME ST003 Luminous Globe Instruction Manual

Model: ST003 | Brand: ROBOTIME

1. INTRODUCTION AND PRODUCT OVERVIEW

The ROBOTIME ST003 Luminous Globe is a captivating 3D wooden puzzle designed for adults and teens. It combines the intricate challenge of a wooden model building kit with the functionality of a practical night lamp. This unique globe features 12 map panels, designed to tilt at a 23° 26' angle, driven by a complex gear system. The detailed map utilizes earthy tones, complementing the natural wood structure, with major world cities labeled in English.

Once assembled, the built-in LED light bathes any room in a mesmerizing, warm amber glow, adding a touch of charm and warmth. The base, inspired by European furniture legs, showcases intricate plant patterns for an elegant, vintage look, making it a perfect decorative piece for office desks, dressing tables, or shelves.



Figure 1: The fully assembled ROBOTIME ST003 Luminous Globe.

2. WHAT'S IN THE BOX

Your ROBOTIME ST003 Luminous Globe kit includes all necessary components for assembly. Please verify that all items listed below are present before beginning construction:

- High-quality LED bulb
- USB adapter
- 25mm miniature magnifying glass
- Pre-cut wooden globe model kit pieces (on various sheets)
- Detailed instruction manual
- Necessary small parts (e.g., metal rods, screws, translucent film map panels)

Everything You Need



Figure 2: All components included in the ROBOTIME ST003 kit.

3. SETUP AND ASSEMBLY

The assembly process is designed to be a rewarding hands-on experience. Follow the straightforward instructions

provided in your kit carefully. Patience and attention to detail are key to a successful build.

3.1 Preparation

- Clear a well-lit, spacious work area.
- Organize all wooden sheets and small parts.
- Optional: Have an Exacto knife and fine-grit sandpaper (e.g., 600-1000 grit) available for precise cutting and smoothing of wooden pieces.

3.2 Assembly Steps

The kit utilizes advanced mortise and tenon technology, ensuring a seamless and secure fit for the pieces. Gently detach the laser-cut pieces from their sheets. Refer to the detailed diagrams in the instruction manual for step-by-step guidance.



Figure 3: Hands-on assembly of the wooden puzzle components.



Figure 4: Example of mortise and tenon technology for secure fitting.

For visual assistance during assembly, refer to the official ROBOTIME instructional videos:

Your browser does not support the video tag.

Video 1: ROBOTIME 3D Puzzle DIY Model Luminous Globe Kit Night Light - This video provides an overview of the assembly process and highlights the luminous feature.

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Video 2: ROBOTIME Online-Globe Model Building Set - This video demonstrates specific building steps for the globe model.

3.3 Connecting the LED Light

Once the globe structure is complete, connect the included LED bulb and USB adapter as per the instructions. Ensure the connection is secure for proper illumination.

4. OPERATING THE LUMINOUS GLOBE

Your ROBOTIME Luminous Globe is designed for interactive display and learning.

4.1 Activating the LED Light

Plug the USB adapter into a compatible power source (e.g., USB wall adapter, computer USB port). The internal LED light will illuminate the globe, creating a warm glow.



Figure 5: The Luminous Globe providing a warm glow in a low-light setting.

4.2 Rotating the Globe

The globe features a mechanical drive structure. Turn the left wheel on the base to set the gears in motion, rotating the globe on its axis. This allows you to explore different locations on the map.



Figure 6: Detail of the mechanical drive structure that enables globe rotation.

4.3 Using the Magnifying Glass

A 25mm miniature magnifying glass is integrated into the globe's design. Use the knob on the side to move the magnifying glass up and down along the globe's surface, allowing for closer observation of the detailed map.

Map Search Magnifier



Transmission Gear of Globe



Latitude Control Knob



Time Zone Schematic Module



Figure 7: Key operational features including the map search magnifier and gear system.



Figure 8: The semi-transparent film map provides a high-definition view of the world.

5. MAINTENANCE

To ensure the longevity and continued beauty of your Luminous Globe, follow these simple maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to gently wipe the wooden surfaces and the globe. Avoid abrasive cleaners or excessive moisture, which can damage the wood and map.
- **Storage:** Store the globe in a dry, cool environment away from direct sunlight and extreme temperature fluctuations to prevent warping or damage to the wood.
- **Handling:** Handle the assembled globe with care, especially the delicate mechanical parts and the globe panels.
- **Lubrication (Optional):** For smoother gear operation, a small amount of wax (often included in kits or available separately) can be applied to the gear teeth.

6. TROUBLESHOOTING

If you encounter any issues during or after assembly, consider the following common solutions:

- **Broken Pieces:** In case a small wooden piece breaks during assembly, wood glue can be used sparingly to reattach it. Allow sufficient drying time.
- **LED Light Not Working:** Ensure the USB adapter is securely plugged into both the globe and a functioning power source. Check if the LED bulb itself is properly seated.
- **Gears Not Rotating Smoothly:** Verify that all gears are correctly aligned and free from any obstructions. Applying a small amount of wax to the gear teeth can improve smoothness.
- **Loose Connections:** If parts feel loose, gently press them together to ensure the mortise and tenon joints are fully engaged.

7. SPECIFICATIONS

Feature	Detail
Product Dimensions	11.5 x 8 x 0.01 inches
Item Weight	2.2 pounds
Country of Origin	China
ASIN	B09C7R2YY9
Item Model Number	RBT-ST003
Manufacturer Recommended Age	14 years and up
Manufacturer	ROBOTIME

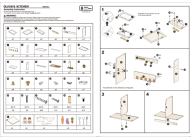
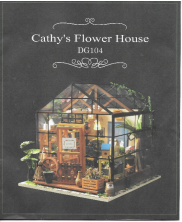
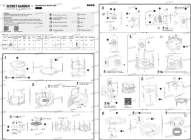
8. WARRANTY AND SUPPORT
















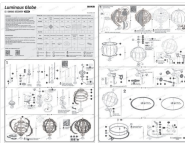
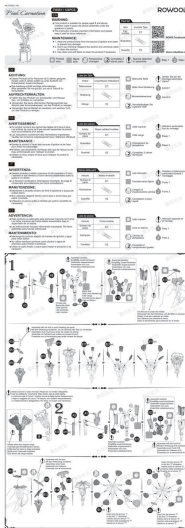
ROBOTIME is committed to providing expert assistance for your assembly process and product satisfaction. If you require guidance, troubleshooting help, or need to inquire about replacement parts, please contact ROBOTIME customer support. They offer worry-free assembly support 24/7 to ensure a seamless and enjoyable experience as you construct your beautiful globe.

For specific warranty details or to reach support, please refer to the contact information provided on the product packaging or the official ROBOTIME website.

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Related Documents - ST003

	<p>Olivia's Kitchen Assembly Instructions - ROBOTIME WCF09</p> <p>Detailed assembly instructions for the ROBOTIME Olivia's Kitchen play set (Model WCF09). Includes parts list, step-by-step guidance, and safety warnings for building this wooden toy kitchen.</p>
	<p>Cathy's Flower House DG104: Miniature DIY Assembly Guide</p> <p>Comprehensive assembly instructions for the Cathy's Flower House DG104 miniature DIY craft kit by Robotime. This guide provides detailed steps, tips, and part lists to help you build your own charming flower house.</p>
	<p>ROKR AMK52 Secret Garden DIY Mechanical Music Box Assembly Instructions</p> <p>Comprehensive assembly instructions for the ROKR AMK52 Secret Garden DIY Mechanical Music Box by Robotime. This guide provides a detailed walkthrough of the assembly process, including a parts list, step-by-step instructions, and helpful tips for a successful build.</p>

<div><div>Robotime</div><div>Robotime Technology (Suzhou) CO., LTD</div><div>Official EC Declaration of Conformity</div><div>Issue: 2023/03/15</div><div>The declaration of conformity is issued under the sole responsibility of the manufacturer.</div><div>Company Name: Robotime Technology (Suzhou) Co., Ltd.</div><div>Address: 401300 Suzhou Building, No. 1000 Jingjiang Road, Suzhou City, China 215000</div></div> <table><thead><tr><th>Product Model</th><th>Product Name</th><th>Product Image</th></tr></thead><tbody><tr><td>RM110</td><td>Mind-Find Bookstore</td><td></td></tr><tr><td>RM111</td><td>Holiday Party Time</td><td></td></tr><tr><td>RM112</td><td>Spring Festival's Lantern</td><td></td></tr><tr><td>RM113</td><td>Happy Chinese Spring</td><td></td></tr><tr><td>RM114</td><td>Fun House</td><td></td></tr></tbody></table>	Product Model	Product Name	Product Image	RM110	Mind-Find Bookstore		RM111	Holiday Party Time		RM112	Spring Festival's Lantern		RM113	Happy Chinese Spring		RM114	Fun House		<div>Robotime EC Declaration of Conformity - Miniature House Kits</div> <div>Official EC Declaration of Conformity for Robotime Technology (Suzhou) Co., Ltd.'s range of DIY miniature house kits, including models like Mind-Find Bookstore, Holiday Party Time, and more, compliant with harmonized standards.</div>
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	<div>ROKR Luminous Globe ST003 Assembly Instructions</div> <div>Detailed assembly instructions for the ROKR Luminous Globe ST003, a DIY wooden model kit. Includes parts list, warnings, maintenance tips, and step-by-step assembly guidance with diagrams.</div>																		
	<div>ROKR Pink Carnation TW051 3D Wooden Puzzle Assembly Instructions</div> <div>Step-by-step assembly guide for the ROKR Pink Carnation TW051 3D wooden puzzle model. This kit includes detailed instructions to build a beautiful wooden flower. Suitable for ages 8+.</div>																		