ROBOTIME EG01

ROBOTIME Pinball Machine EG01 Instruction Manual

Model: EG01 | Brand: ROBOTIME

1. Introduction

Welcome to the world of ROBOTIME 3D wooden puzzles! This manual provides detailed instructions for assembling, setting up, operating, and maintaining your ROBOTIME Pinball Machine EG01. This intricate wooden model offers a unique building experience and a functional miniature pinball game.

Figure 1.1: The assembled ROBOTIME Pinball Machine EG01.

2. Package Contents

Before beginning assembly, please verify that all components are present. Refer to the product information image for a visual guide to the contents.

Figure 2.1: Product information and specifications. The kit contains 482 pieces.

- Pre-cut wooden sheets (482 pieces)
- Electronic components (circuit board, wires, sensors, lights)
- Mechanical parts (springs, gears, small screws, nuts, bolts)
- Assembly tools (screwdriver, nipper, sanding stick, wax)
- Instruction manual (this document)
- Steel balls for gameplay

3. Assembly Instructions

Assembly of the ROBOTIME Pinball Machine EG01 requires patience and attention to detail. Follow the included step-by-step pictorial instructions carefully. Spare parts are often provided for delicate components.

3.1. Preparation

- Ensure you have a clean, well-lit, and spacious work area.
- Organize all parts by their labeled sheets and bags. Consider using small containers for tiny components.
- Familiarize yourself with the tools provided: nippers for detaching parts, a sanding stick for smoothing edges, and a screwdriver for fasteners.

3.2. Wooden Structure Assembly

The wooden components are designed for structural handmade assembly using mortise and tenon techniques. Fit pieces together snugly without excessive force. If a piece is difficult to fit, gently sand the edges.

Figure 3.1: Overview of wooden components and the mortise & tenon assembly technique.

3.3. Electronic Module Integration

The pinball machine features a central chip module for intelligent control and real-time feedback. This modular circuit design simplifies wiring and connection. Carefully connect the wires and sensors as indicated in the manual.

Figure 3.2: Central chip module and wiring diagram.

Important: Pay close attention to the orientation of parts, especially electronic components and sensors, to ensure correct functionality.

4. Setup

Once assembly is complete, follow these steps to set up your pinball machine:

1. **Power Connection:** Connect the provided power cable to the designated port on the machine and then to a suitable power source.
2. **Ball Placement:** Place the steel balls into the ball return channel.
3. **Initial Test:** Turn on the machine. The lights should illuminate, and you may hear an initial sound.

5. Operating Instructions

Your ROBOTIME Pinball Machine EG01 is designed for dynamic play with real-time sensory sound and light effects.

5.1. Starting a Game

- Pull the ramp-launched pull rod to launch a ball onto the playfield.
- Use the flipper buttons on either side of the machine to control the flippers and keep the ball in play.

Figure 5.1: Operating the pinball machine with the pull rod and flippers.

5.2. Scoring Points

The machine features accurate infrared detection sensors to record precise scoring points at various locations on the track.

- **High-speed track scoring point:** 50 points per hit.
- **Ascending track scoring point:** 100 points per hit.
- Other targets and bumpers will also award points.

Figure 5.2: Playfield with highlighted scoring points.

The star indicator lights up every time you score points, accompanied by music and light effects.

6. Maintenance

To ensure the longevity and optimal performance of your ROBOTIME Pinball Machine EG01, regular maintenance is recommended:

- **Cleaning:** Gently wipe the wooden surfaces with a dry, soft cloth. Avoid using liquid cleaners or abrasive materials.
- **Dust Removal:** Use a soft brush or compressed air to remove dust from intricate areas, especially around sensors and moving parts.
- **Lubrication:** Apply a small amount of wax (provided in the kit) to moving wooden parts, such as gears and levers, to ensure smooth operation.
- **Component Check:** Periodically inspect all connections and ensure screws are tightened.
- **Storage:** Store the machine in a dry environment, away from direct sunlight and extreme temperature fluctuations.

7. Troubleshooting

Problem	Possible Cause	Solution
Machine does not power on.	Power cable not connected properly; power source issue.	Check all power connections. Ensure the power adapter is working.
Flippers are not responsive.	Loose wiring to flipper mechanism; obstruction; worn parts.	Inspect wiring connections. Remove any obstructions. Apply wax to moving parts.
Scoring sensors are not detecting the ball.	Sensor obstruction; misaligned sensor; ambient light interference.	Clear any debris from sensors. Gently adjust sensor alignment if possible. Play in subdued lighting if ambient light is an issue.

Problem	Possible Cause	Solution
Ball gets stuck on the playfield.	Uneven surface; debris; insufficient lubrication.	Ensure the machine is on a level surface. Clean the playfield. Apply wax to ramps and tracks.
Lights or sounds are not working.	Loose electrical connections; faulty component.	Check all wire connections to the central chip module and individual lights/speakers.

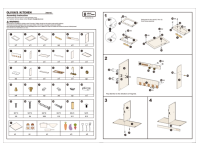
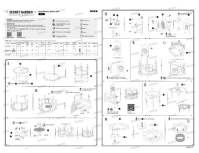
8. Specifications

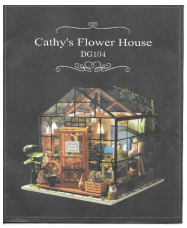
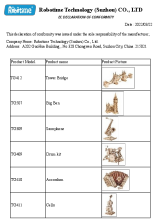
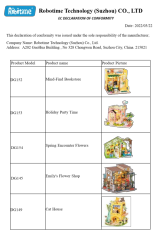
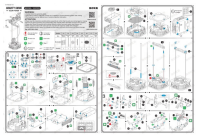
- **Product Name:** 3D Pinball Machine
- **Model Number:** EG01 (RBT-EG01)
- **Brand:** ROBOTIME
- **Number of Pieces:** 482
- **Assembled Dimensions:** Approximately 275mm (H) x 475mm (W) x 280mm (D)
- **Product Dimensions (Packaging):** 18.7 x 10.8 x 0.04 inches (flat sheets)
- **Item Weight:** 7.63 pounds
- **Recommended Age:** 14 years and up
- **Features:** Dynamic light and sound effects, accurate infrared scoring sensors, modular circuit design.

9. Warranty and Support

ROBOTIME offers worry-free assembly support. For any issues during assembly or operation, please contact ROBOTIME customer service. Information regarding specific warranty periods or detailed support contacts was not provided in the product details. Please refer to the product packaging or the official ROBOTIME website for the most current warranty and support information.
You can visit the official ROBOTIME store for more information:ROBOTIME Store

Related Documents - EG01

	Olivia's Kitchen Assembly Instructions - ROBOTIME WCF09 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.
	ROKR AMK52 Secret Garden DIY Mechanical Music Box Assembly Instructions 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.

	[Cathy's Flower House DG104: Miniature DIY Assembly Guide] 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.
	[Robotime EC Declaration of Conformity - Product List and Compliance] Official EC Declaration of Conformity from Robotime Technology (Suzhou) CO., LTD, listing compliant wooden model kits, their product details, and applicable harmonized standards and test reports.
	[Robotime EC Declaration of Conformity - Miniature House Kits] 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.
	[ROKR Gravity Swing MCD02 Ocean Fisher 3D Wooden Puzzle Assembly Instructions] Step-by-step assembly instructions for the ROKR Gravity Swing MCD02 Ocean Fisher 3D wooden puzzle. Learn how to build this intricate kinetic model with detailed diagrams and tips.