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Wood Trick Kinetic Clock Modern

Wood Trick Modern Kinetic Clock Assembly and Operation Manual

Model: Kinetic Clock Modern

1. INTRODUCTION

Welcome to the Wood Trick Modern Kinetic Clock assembly and operation manual. This document provides essential information for building, setting up, and maintaining your wooden 3D puzzle clock. The Wood Trick Modern Kinetic Clock is a unique wooden model kit designed for enthusiasts aged 14 and up. It features a kinetic mechanism that creates an illusion of hands suspended in air.



Image: The fully assembled Wood Trick Modern Kinetic Clock, showcasing its intricate wooden gears and hands.

2. SAFETY INFORMATION

- Keep small parts away from children under 3 years of age to prevent choking hazards.
- Handle wooden parts carefully to avoid splinters.
- Do not apply excessive force during assembly, as this may damage components.
- Ensure batteries are inserted correctly according to polarity markings.
- Dispose of used batteries responsibly.

3. PACKAGE CONTENTS

Your Wood Trick Modern Kinetic Clock kit includes:

- Laser-cut wooden sheets with 157 pieces.
- Detailed assembly instructions.
- Necessary mechanical components (e.g., motor, circuit board).
- Paraffin wax for lubrication.

Note: 4 AAA batteries are required and not included in the kit.

4. ASSEMBLY INSTRUCTIONS

The Wood Trick Modern Kinetic Clock is a DIY model kit that requires careful assembly. Follow the included printed instructions precisely.

General Assembly Tips:

- **Preparation:** Carefully remove all wooden pieces from their sheets. Use a craft knife or sandpaper to smooth any rough edges or burrs.
- **Lubrication:** Apply paraffin wax (included) to all moving gears and connecting points as indicated in the instructions. Proper lubrication is crucial for smooth operation.
- **Precision:** Pay close attention to the orientation and alignment of each piece. Incorrect assembly can prevent the clock from functioning correctly.
- **Patience:** This model requires patience and attention to detail. Do not rush the assembly process.



Image: A side view of the clock's layered wooden construction, illustrating the complexity of the assembly.

For detailed step-by-step guidance, refer to the comprehensive instruction booklet provided in your package.

5. SETUP

Powering the Clock:

The clock can be powered by 4 AAA batteries (not included) or via a Micro USB cable (not included).



Image: The back of the clock base, showing the battery compartment, Micro USB port, and mode/adjustment controls.

Battery Installation:

1. Locate the battery compartment on the back of the clock base.
2. Open the compartment cover.
3. Insert 4 AAA batteries, ensuring correct polarity (+/-).
4. Close the compartment cover securely.

USB Power:

Connect a Micro USB cable to the Micro USB port on the back of the clock and to a suitable power source (e.g., USB wall adapter, computer USB port).

Setting the Time:

Use the "Adjust Minutes" button and the "Mode" switch located on the back of the clock to set the time.

- **Minute Adjustment:** Press the "Adjust Minutes" button to advance the minute hand.
- **Hour Adjustment:** The hour hand moves in conjunction with the minute hand. For larger adjustments (e.g., daylight saving), you may need to manually rotate the hour hand carefully or cycle through the minutes.
- **Mode Switch:** The "Mode" switch (A/B) may control different operational modes or fine-tuning. Refer to the specific instructions in your manual for its exact function.

6. OPERATING INSTRUCTIONS

Once powered and the time is set, the Wood Trick Modern Kinetic Clock will begin to operate. The unique mechanism creates a visual effect where the hands appear to float and move through the open face of the clock.



Image: A close-up of the clock face, highlighting the kinetic movement of the hands and gears.

Kinetic Mechanism:

The clock's design incorporates a "magic mechanism" where the gears and hands are visible and move in a synchronized fashion, giving the impression of being suspended.

Timekeeping:

The clock is designed to keep accurate time. The minute hand advances every minute, and the hour hand moves accordingly.

Video Demonstration:

For a visual overview of the Wood Trick Kinetic Clocks, including the Modern Kinetic Clock, watch the official video below.

Your browser does not support the video tag.

Video: An official overview by Wood Trick showcasing both the Zodiac and Modern Kinetic Clocks, demonstrating their unique kinetic mechanisms and aesthetic design.

7. MAINTENANCE

- **Cleaning:** Dust the clock regularly with a soft, dry cloth. Avoid using abrasive cleaners or liquids that could damage the wood.
- **Lubrication:** If the clock's movement becomes stiff or noisy over time, reapply paraffin wax to the moving gears and pivot points as per the original assembly instructions.
- **Battery Replacement:** Replace all 4 AAA batteries simultaneously when the clock stops or its movement becomes erratic.
- **Storage:** If storing the clock for an extended period, remove the batteries to prevent leakage. Store in a dry, cool place away from direct sunlight.

8. TROUBLESHOOTING

Clock Does Not Run:

- **Check Batteries:** Ensure 4 new AAA batteries are correctly installed with proper polarity, or that the Micro USB cable is securely connected to a power source.
- **Power Switch:** Verify the power switch on the back of the clock is in the "ON" position.
- **Obstructions:** Check for any wooden pieces or debris obstructing the gears or hands.
- **Assembly Issues:** Review the assembly instructions, paying close attention to gear alignment and lubrication. Misaligned or unlubricated gears can prevent movement.

Clock Does Not Keep Accurate Time:

- **Battery Power:** Weak batteries can affect timekeeping accuracy. Replace them if necessary.
- **Gear Friction:** Ensure all moving parts are adequately lubricated with paraffin wax. Excessive friction can slow down or stop the mechanism.
- **Hand Obstruction:** Check if the clock hands are rubbing against each other or the clock face. Gently adjust if needed.
- **Gear Alignment:** Re-examine the internal gear alignment. Incorrectly assembled gears can lead to inaccurate time.

Noise During Operation:

- **Lubrication:** Apply more paraffin wax to the gears and moving parts.
- **Friction:** Identify any parts that might be rubbing together and gently sand or adjust them if possible without damaging the structure.

9. SPECIFICATIONS

Dimension	9.65 x 1.77 x 8.46 inches
Item Weight	2.49 pounds
Number of Pieces	157
Power Source	4 AAA batteries (not included) or Micro USB
Recommended Age	14 years and up
Model Number	Kinetic Clock Modern

10. WARRANTY AND SUPPORT

Wood Trick products are designed for quality and enjoyment. For any issues or missing parts, please contact Wood Trick customer support directly.

Refer to the packaging or the Wood Trick official website for specific warranty details and contact information.

For additional assistance, visit the [Wood Trick Store on Amazon](#).