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› ROKR Classical Gramophone (LK601) Instruction Manual

ROKR LK601

ROKR Classical Gramophone (LK601) Instruction Manual

Model: LK601 | Brand: ROKR

INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of your ROKR Classical Gramophone (LK601) 3D Wooden Puzzle. Designed for adults and teens aged 14 and up, this mechanical model building kit offers an engaging and rewarding experience, culminating in a functional gramophone that plays vinyl records without electric power.

The ROKR Classical Gramophone is a meticulously designed wooden craft kit, combining historical phonograph aesthetics with intricate mechanical engineering. It serves as both a challenging puzzle and a unique decorative piece.

PRODUCT OVERVIEW



Figure 1: The ROKR Classical Gramophone (LK601) 3D Wooden Puzzle kit, including the assembled model and its packaging.

The ROKR Classical Gramophone (LK601) is a 424-piece DIY wooden puzzle that, once assembled, functions as a hand-cranked gramophone. It features a manual volume knob and a large rotatable horn, capable of playing 7-inch vinyl records at 33 1/3 and 45 RPM.

Key Features:

- **Mechanical Gear Design:** Operates without electricity, powered by a hand crank.
- **Functional Playback:** Plays 7-inch vinyl records with adjustable speeds (33 1/3, 45 RPM).
- **Detailed Craftsmanship:** Made from high-latitude selected basswoods with German laser-cut technology for precise fitting.
- **Interactive Elements:** Features a manual volume knob and a large, rotatable horn.
- **Educational Value:** Promotes understanding of mechanical principles and improves hand-eye coordination.
- **Decorative Piece:** A unique and elegant addition to any room decor.

Package Contents:

- Pre-cut wooden sheets (424 pieces)
- Assembly Instruction Booklet
- Vinyl record with 3 songs
- Necessary accessories (e.g., screws, wires, small components)
- Spare parts for accidental damage or loss

PACKAGE CONTENTS

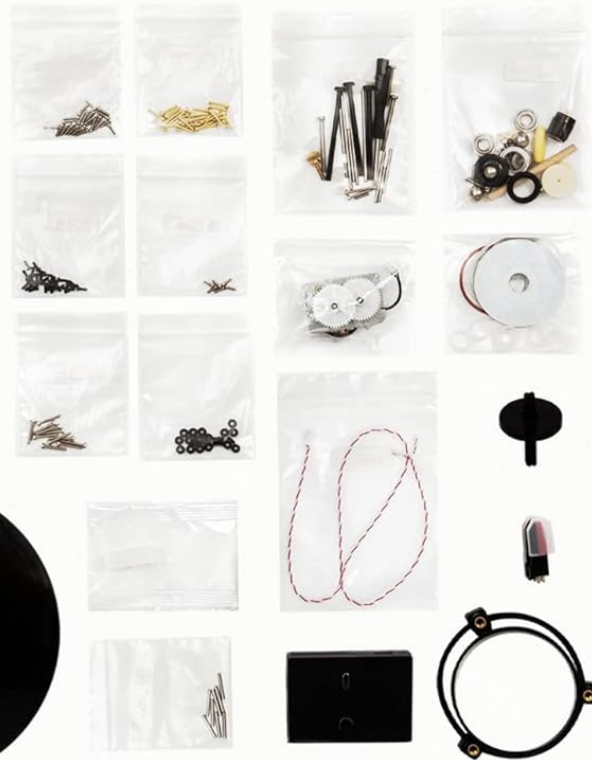
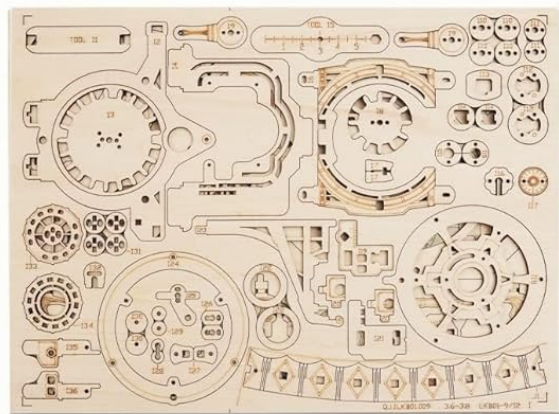


Figure 2: Contents of the ROKR Classical Gramophone (LKB01) package, including wooden sheets, instruction manual, vinyl record, and various small parts.

ASSEMBLY INSTRUCTIONS

Assembly of the ROKR Classical Gramophone requires patience and attention to detail. Follow the step-by-step instructions provided in the included booklet carefully. Each wooden part is laser-marked with a unique code to aid in identification.

General Assembly Steps:

1. **Preparation:** Unpack all components and verify against the parts list in the manual. Organize the wooden sheets by their marked codes.
2. **Pop Out Pieces:** Gently pop out each puzzle piece from the wooden sheets. Use a craft knife or sandpaper if necessary to smooth edges, but be careful not to damage the pieces.
3. **Follow Booklet:** Refer to the detailed how-to booklet for step-by-step assembly. The instructions include clear illustrations for each stage.
4. **Connect Components:** Assemble the mechanical gears, turntable, horn, and base structure according to the diagrams. Pay close attention to the orientation and connection points of each piece.
5. **Secure Connections:** Ensure all connections are secure but do not force pieces, as this may cause breakage. Spare parts are provided for common breakages.
6. **Final Checks:** Once assembled, check all moving parts for smooth operation before attempting to play a record.



Figure 3: Illustrated assembly process, emphasizing the use of the detailed booklet, careful removal of pieces, and step-by-step construction.

DECIPHER THE THINKING

*INCREASE PERCEPTUAL SENSITIVITY
IMPROVE HAND-EYE COORDINATION
AN EXQUISITE STEAM & STEM PUZZLE*



Figure 4: The gramophone model during assembly, showing the various wooden components and the instruction manual.

OPERATING INSTRUCTIONS

The ROKR Classical Gramophone operates mechanically via a hand crank, requiring no external power source. It is designed to play 7-inch vinyl records.

Playing a Record:

1. **Place Record:** Carefully place a 7-inch vinyl record onto the turntable. The gramophone supports 33 1/3 and 45 RPM records.
2. **Position Stylus:** Gently lower the gramophone arm so that the ruby stylus rests in the outer groove of the record.
3. **Crank Handle:** Begin turning the hand crank steadily. The turntable will rotate, and sound will be amplified through the horn. Maintain a consistent cranking speed for optimal sound quality.
4. **Adjust Volume:** Use the manual volume knob located on the side of the gramophone to adjust the sound output.
5. **Stop Playback:** To stop playback, lift the gramophone arm from the record and cease cranking.



Figure 5: Key operational components: the manual volume knob, the large horn for sound amplification, and the turntable with stylus.



Figure 6: An internal diagram highlighting the mechanical components and their functions, such as the ruby stylus and speed adjustment turntable.

MAINTENANCE

To ensure the longevity and optimal performance of your ROKR Classical Gramophone, follow these simple maintenance guidelines:

- **Cleaning:** Gently wipe the wooden surfaces with a dry, soft cloth to remove dust. Avoid using wet cloths or harsh cleaning agents, which can damage the wood.
- **Lubrication:** Periodically check moving parts and gears. If any friction is observed, apply a small amount of wax or a suitable lubricant (e.g., paraffin wax) to ensure smooth operation.
- **Storage:** Store the gramophone in a dry environment, away from direct sunlight and extreme temperature fluctuations, to prevent warping or damage to the wood.
- **Handle with Care:** Always handle the gramophone and its components gently, especially the stylus and the delicate wooden pieces.

TROUBLESHOOTING

If you encounter any issues with your ROKR Classical Gramophone, consider the following common problems and solutions:

- **Record Not Playing / Poor Sound:**

- Ensure the stylus is properly seated in the record groove.
- Verify that the hand crank is being turned consistently and at an appropriate speed.
- Check for any obstructions in the gear mechanism.
- Confirm that all assembled parts are correctly aligned and secured.

- **Stiff or Jammed Mechanism:**

- Inspect all gears and moving parts for any misaligned or stuck pieces.
- Apply a small amount of lubricant (e.g., wax) to the gears and axles to reduce friction.
- Ensure no excess glue or debris is interfering with movement.

- **Broken or Damaged Parts:**

- Refer to the spare parts included in your kit.
- For significant damage or missing critical parts, contact ROKR customer support for assistance.

For further assistance, please refer to the "Warranty and Support" section.

SPECIFICATIONS

Attribute	Value
Product Dimensions (Assembled)	226 x 261 x 429 mm (Approx. 8.9 x 10.3 x 16.9 inches)
Item Weight	1 kg (Approx. 2.2 pounds)
Number of Pieces	424
Recommended Age	14 years and up
Material	High-latitude Basswood
Playback Type	Hand-cranked Mechanical
Record Compatibility	7-inch vinyl records (33 1/3, 45 RPM)

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RETRO GRAMOPHONE

Classic never aged



Figure 7: Visual representation of the assembled gramophone's dimensions.

WARRANTY AND SUPPORT

ROKR is committed to providing high-quality products and excellent customer service. Your ROKR Classical Gramophone (LK601) comes with dedicated support.

Customer Service:

If you encounter any issues during assembly or operation, or if you require replacement parts due to damage or loss, please contact ROKR customer support. We offer free replacement of damaged parts and will provide guidance to resolve any problems. Expect a reply within 12 hours.

For contact information, please refer to the packaging or the official ROKR website.

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