

## ROBOTIME AMK81

# ROBOTIME Magic Piano AMK81 3D Wooden Puzzle Music Box Instruction Manual

Model: AMK81



## 1. INTRODUCTION

The ROBOTIME Magic Piano AMK81 is a mechanical 3D wooden puzzle music box. This kit allows you to construct a miniature piano that functions as a music box, featuring self-playing keys and visible gear mechanisms. It is designed for enthusiasts who enjoy detailed assembly projects and appreciate musical instruments.

Upon completion, the model serves as an elegant decorative item for various settings, including homes, offices, cafes, and bookstores. The music box operates via a clockwork mechanism, requiring no batteries.



Image 1: The fully assembled ROBOTIME Magic Piano AMK81 3D Wooden Puzzle Music Box.

## 2. SAFETY WARNINGS

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- **Recommended Age:** This product is recommended for individuals 14 years of age and older. It contains small parts and intricate components that may not be suitable for younger children.
- **Choking Hazard:** Keep small pieces away from young children to prevent choking.
- **Handle with Care:** The wooden pieces are delicate. Apply gentle pressure during assembly to avoid breakage.
- **Sharp Edges:** Some laser-cut edges may be sharp. Handle with care to prevent cuts.
- **Ventilation:** Assemble in a well-ventilated area.

## 3. WHAT'S IN THE BOX

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Your ROBOTIME Magic Piano AMK81 kit includes all necessary components for assembly:

- Laser-cut wooden sheets containing 223 puzzle pieces.

- Instruction Book with detailed assembly steps.
- Music box mechanism.
- Wax for lubricating gears.
- Any additional small parts or tools required for assembly.

## 4. SETUP AND ASSEMBLY

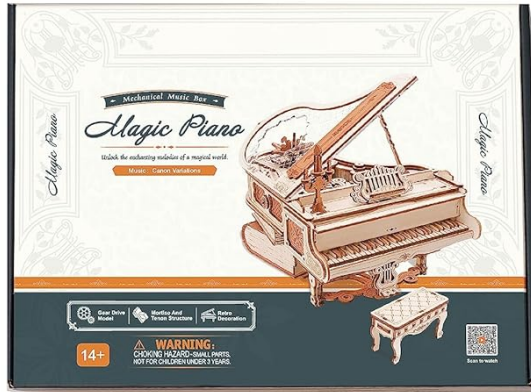
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Follow these steps to assemble your Magic Piano AMK81 music box. No glue is required for assembly.

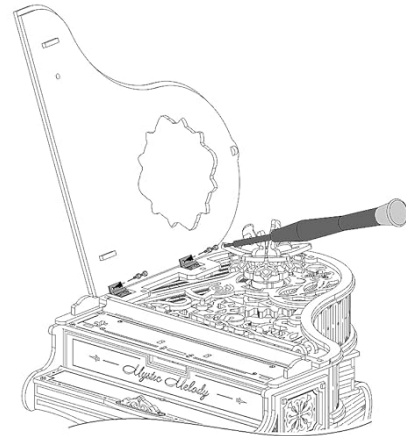
1. **Open the Package:** Carefully unbox all components and ensure all parts are present according to the parts list in the instruction manual.
2. **Read the Instructions:** Before beginning, thoroughly read the entire instruction manual to familiarize yourself with the assembly process and identify all pieces.
3. **Take Out the Pieces:** Gently detach the laser-cut wooden pieces from their sheets. It is recommended to sand the corners of the cut-out pieces for smoother operation and fit.
4. **Build Up Step by Step:** Follow the detailed, illustrated instructions provided in the manual. Assemble the model piece by piece, ensuring each component fits securely. Be gentle when connecting pieces to avoid breakage.
5. **Gear Assembly:** Pay close attention to the gear mechanisms. Apply the provided wax to the gears as instructed to ensure smooth rotation and proper function of the self-playing keys. Spend time ensuring all gears turn properly before proceeding.



## Open The Package



## Read The Instruction



## Take Out The Pieces



## Build Up Step By Step



Image 2: Overview of the initial assembly steps, from unboxing to starting the build.



Image 3: A close-up of the assembly process, highlighting the detailed nature of the puzzle.

## 5. OPERATING THE MUSIC BOX

Once fully assembled, your Magic Piano AMK81 is ready to play its melody.

- **Wind-up Mechanism:** Locate the wind-up spring key, typically on the side or bottom of the music box. Gently turn the key clockwise to wind the internal clockwork mechanism. Do not overwind.
- **Enjoy the Melody:** As the mechanism unwinds, the music box will play its tune. Observe the self-playing piano keys and the visible gear transmission as they move in sync with the music.



### Fordable Transparent Lid



### Self-playing Piano Keys



### Visible Gear Transmission



### Wind-up Spring Key



Image 4: Key operational features of the Magic Piano AMK81, including the wind-up mechanism.

## 6. MAINTENANCE

To ensure the longevity and smooth operation of your ROBOTIME Magic Piano AMK81, consider the following maintenance tips:

- **Dusting:** Regularly dust the model with a soft, dry cloth to prevent dust accumulation in the gears and on the surface.
- **Gear Lubrication:** If the gears begin to stick or operate less smoothly over time, reapply a small amount of the provided wax (or a suitable alternative lubricant for wooden mechanisms) to the contact points of the gears.
- **Avoid Moisture:** Keep the wooden puzzle away from excessive moisture or humidity, which can cause the wood to warp or swell.
- **Avoid Direct Sunlight:** Prolonged exposure to direct sunlight can cause the wood to fade or become brittle.

## 7. TROUBLESHOOTING

If you encounter issues with your Magic Piano AMK81, refer to these common solutions:

- **Music Box Not Playing or Sticking:**

- Ensure the wind-up key is fully wound (without over-tightening).
- Check all gear connections. Sometimes, pieces may not be fully seated or aligned. Gently adjust any misaligned gears.
- Reapply wax to the gears, especially if they feel stiff. Ensure the wax is evenly distributed.
- Inspect for any broken or warped pieces that might be obstructing movement.

- **Pieces Not Fitting:**

- Verify you are using the correct pieces for the current step by cross-referencing with the instruction manual.
- Ensure the edges of the pieces are smooth. If not, gently sand them to remove any burrs from the laser-cutting process.
- Apply gentle, even pressure. Avoid forcing pieces, as this can cause them to break.

- **Broken Pieces:**

- Some kits include spare copies of particularly fragile or intricate pieces. Check your kit for these.
- For minor breaks, wood glue can be used to repair pieces, but ensure it does not interfere with moving parts.

## 8. SPECIFICATIONS



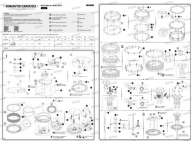



Model Number	AMK81
Product Dimensions (L x W x H)	6.7 x 5.5 x 5 inches
Item Weight	1 pound
Number of Pieces	223
Approximate Assembly Time	4.5 hours
Manufacturer Recommended Age	14 years and up
Power Source	Clockwork mechanism (no batteries required)

## 9. WARRANTY AND SUPPORT

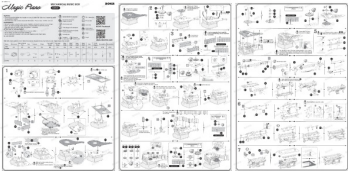
Specific warranty details for the ROBOTIME Magic Piano AMK81 are not provided in the product information. For any warranty inquiries, missing parts, or technical support, please contact ROBOTIME customer service directly or visit the official ROBOTIME store on Amazon.

**ROBOTIME Amazon Store:** [Visit the ROBOTIME Store](#)



	<p><a href="#">ROKR Magic Piano AMK81 Assembly Instructions   Robotime</a></p> <p>Detailed assembly instructions for the ROKR Magic Piano model AMK81. Learn how to build your own musical model with this comprehensive guide from Robotime.</p>
	<p><a href="#">ROKR Magic Cello Mechanical Music Box AMK63 - Assembly and Product Information</a></p> <p>Detailed information about the ROKR Magic Cello, a mechanical music box model AMK63. Includes product features, materials, manufacturer details, and assembly guidance.</p>
	<p><a href="#">ROKR Romantic Carousel Mechanical Music Box AMK62: DIY Wooden Puzzle Assembly Guide</a></p> <p>Detailed assembly instructions for the ROKR Romantic Carousel Mechanical Music Box (Model AMK62). Discover how to build this intricate wooden DIY puzzle with clear steps and parts list.</p>
	<p><a href="#">ROKR Marble Night City LGA01 3D Wooden Puzzle Assembly Instructions</a></p> <p>Detailed assembly instructions for the ROKR Marble Night City LGA01 3D Wooden Puzzle. Learn how to build this intricate mechanical model step-by-step, including parts list, tools, and troubleshooting.</p>
	<p><a href="#">ROKR Dream Gift Factory EAB01 Assembly Instructions</a></p> <p>Detailed assembly instructions for the ROKR Dream Gift Factory Magic Amusement Park EAB01 wooden model kit. Includes parts list, step-by-step diagrams, and troubleshooting tips.</p>
	<p><a href="#">ROKR Marble Night City LGA01 3D Wooden Puzzle Assembly Instructions</a></p> <p>Detailed assembly instructions for the ROKR Marble Night City LGA01, a 3D wooden mechanical puzzle. Learn how to build your own intricate marble run with step-by-step guidance.</p>

Documents - ROBOTIME – AMK81

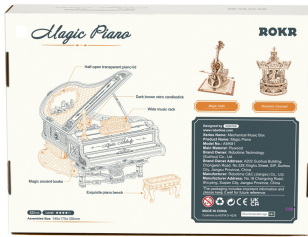


[ROKR Magic Piano AMK81 Assembly Instructions | Robotime](#)

Detailed assembly instructions for the ROKR Magic Piano model AMK81. Learn how to build your own musical model with this comprehensive guide from Robotime.

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