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i-CHONY CH-208L

i-CHONY 3D Wooden Robot Puzzle (Model CH-208L) Instruction Manual

Brand: i-CHONY | Model: CH-208L

1. Introduction

Thank you for choosing the i-CHONY 3D Wooden Robot Puzzle. This 4-piece DIY assembly kit provides an engaging and educational experience, allowing you to construct detailed wooden robot models. Designed for adults and teens, this STEM toy enhances concentration, creative thinking, and problem-solving skills. Please read this manual carefully before beginning assembly to ensure a smooth and enjoyable building process.



Image 1.1: The complete set of four i-CHONY 3D Wooden Robot Puzzles.

2. Safety Information

- **Small Parts Warning:** This product contains small parts and is not suitable for children under 3 years of age due to choking hazards.
- **Material:** The puzzle pieces are made from natural 3mm wood. Handle with care to prevent splinters or breakage.

- **Sharp Edges:** Some edges may be sharp after detaching pieces. Use caution during assembly.
- **Adult Supervision:** Adult supervision is recommended, especially for younger builders, to assist with delicate parts and ensure safe handling.

3. Package Contents

The i-CHONY 3D Wooden Robot Puzzle set includes the following:

- Multiple laser-cut wooden sheets containing all puzzle pieces for four robot models.
- Detailed assembly steps diagram (instruction manual).



Image 3.1: Example of the three large wooden panels containing the puzzle pieces.



Image 3.2: The included instruction manual with assembly diagrams.

4. Assembly Instructions

The i-CHONY 3D Wooden Robot Puzzle is designed for assembly without the need for cutting tools or glue. Each piece is pre-cut by laser technology for precision. Follow the numbered steps in the provided manual and refer to the diagrams carefully.

General Assembly Tips:

- **Identify Pieces:** Each wooden sheet and individual piece is numbered. Match the numbers on the pieces to the corresponding numbers in the instruction diagrams.
- **Detaching Pieces:** Gently push out the pieces from the wooden sheets. For very small or intricate parts, use a

hobby knife or a small, flat tool to carefully separate them from the frame to avoid breakage.

- **Interlocking:** Pieces are designed to interlock. Apply gentle, even pressure when connecting parts. Do not force pieces together, as this may cause damage.
- **Review Diagrams:** Before connecting pieces, always refer to the diagrams to ensure correct orientation and placement.

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Video 4.1: General tips for assembling wooden model kits, including handling delicate pieces and using a hobby knife for detachment.

Robot Models Overview:

The set includes four distinct robot models, each with varying part counts and difficulty levels:



Robot-I: 188 pieces, 4-star difficulty.



Robot-II: 159 pieces, 3-star difficulty.



Robot-III: 97 pieces, 2-star difficulty.



Robot-IV: 108 pieces, 3-star difficulty.



Wooden 3D Robot Models

Completed works



Image 4.2: Examples of completed 3D wooden robot models.

5. Maintenance and Care

- **Cleaning:** Dust the assembled models gently with a soft, dry cloth. Avoid using water or cleaning solutions, as they may damage the wood.
- **Storage:** Store models in a dry environment away from direct sunlight or extreme temperature changes to prevent warping or fading.
- **Handling:** Handle assembled models with care, as delicate parts can break if dropped or mishandled.

6. Troubleshooting

- **Pieces are difficult to detach:** Use a hobby knife or fine-grit sandpaper to gently loosen the connection points on the wooden sheet. Do not force pieces.
- **Pieces do not fit together:** Ensure you have the correct pieces according to the instruction diagrams. Check for any small burrs or excess wood that might be preventing a snug fit and gently sand if necessary.
- **Assembled parts feel loose:** While designed to interlock without glue, some connections might be less secure. For added stability, a small amount of wood glue can be applied to joints, but this is optional and not required for basic assembly.
- **Broken piece:** If a piece breaks, attempt to repair it with wood glue. If the damage is significant and prevents assembly, contact customer support for assistance.

7. Specifications

Feature	Detail
Brand Name	i-CHONY
Model Number	CH-208L
Material Type	Wood
Number of Pieces	4 (for the set)
Item Dimensions L x W	13"L x 8"W (packaging/sheet size)
Item Weight	1.25 Pounds
Assembly Required	Yes
Recommended Age	14+ years (Manufacturer Minimum Age 168 months)

8. Warranty and Support

This product comes with no manufacturer warranty. However, if you encounter any issues or have questions during the assembly process, please do not hesitate to contact i-CHONY customer support. Our team is available 24 hours online to assist you.

Return Policy: Products purchased are typically eligible for return or replacement within 30 days of receipt, subject to the retailer's return policy.

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