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VATOS VL-C66004W

VATOS Tree House STEM Toy Instruction Manual

Model: VL-C66004W

Introduction

Thank you for choosing the VATOS Tree House STEM Toy. This creative building set is designed to inspire imagination and develop problem-solving skills in children aged 6 and up. With 1155 pieces and integrated LED lighting, this set allows for the construction of an exquisite two-floor forest house that can be adapted to represent four different seasons. This manual provides essential information for assembly, operation, maintenance, and troubleshooting to ensure a safe and enjoyable building experience.

Safety Information

Please read and understand all safety instructions before assembly and use. Failure to follow these instructions may result in injury or damage to the product.

- **Small Parts Warning:** This set contains small parts which may pose a choking hazard for children under 3 years old. Adult supervision is recommended during assembly and play, especially for younger children.
- **Material Safety:** All VATOS construction toys are made from non-toxic, BPA-free materials. Ensure hands are clean before handling pieces.
- **LED Light Unit:** The LED light unit requires careful handling. Do not attempt to disassemble or modify the LED components. Keep the USB connector dry.
- **Assembly Environment:** Assemble the toy on a clean, flat, and stable surface to prevent loss of pieces.
- **Storage:** Store the assembled model and any unbuilt pieces in a dry, cool place away from direct sunlight and extreme temperatures.

Package Contents

Verify that all components are present before beginning assembly. If any parts are missing or damaged, please contact customer support.

- 1155 x Building Bricks (various shapes and colors)
- 1 x LED Light Unit with USB Cable
- 1 x Instruction Manual (printed or digital access)
- Seasonal accessory packs (for 4 seasons configuration)



Image: The product box and the fully assembled tree house, illustrating the overall dimensions of the model (10.24 x 4.88 x 10.08 inches).

Assembly Instructions

The VATOS Tree House building set is designed for step-by-step assembly. Follow the included detailed instructions carefully. The building process is divided into sections, often corresponding to different parts of the structure or seasonal variations.

1. **Preparation:** Unpack all bags and sort pieces by color and type if desired. This can help streamline the building process.
2. **Base Construction:** Begin by assembling the base plate and the foundational elements of the tree house structure. Ensure all connections are firm.
3. **Main Structure:** Proceed with building the two floors of the house, including walls, windows, and doors. Pay close attention to the orientation of pieces.
4. **Roof and Details:** Attach the roof sections and add intricate details such as railings, lamps, and decorative elements.

5. **Functional Mechanisms:** Integrate the manual lift and other dynamic features as instructed. Test their functionality during assembly.
6. **LED Light Installation:** Carefully route the LED light wire through the designated channels and connect the light unit as shown in the instructions. Ensure the USB cable is accessible for power.
7. **Seasonal Customization:** Once the main structure is complete, you can customize the tree house for different seasons (Spring, Summer, Autumn, Winter) using the specific accessory pieces provided for each season. Refer to the dedicated seasonal assembly guides for these variations.



Image: The fully assembled VATOS Tree House, showcasing its intricate details and the illuminated interior from the LED lights.

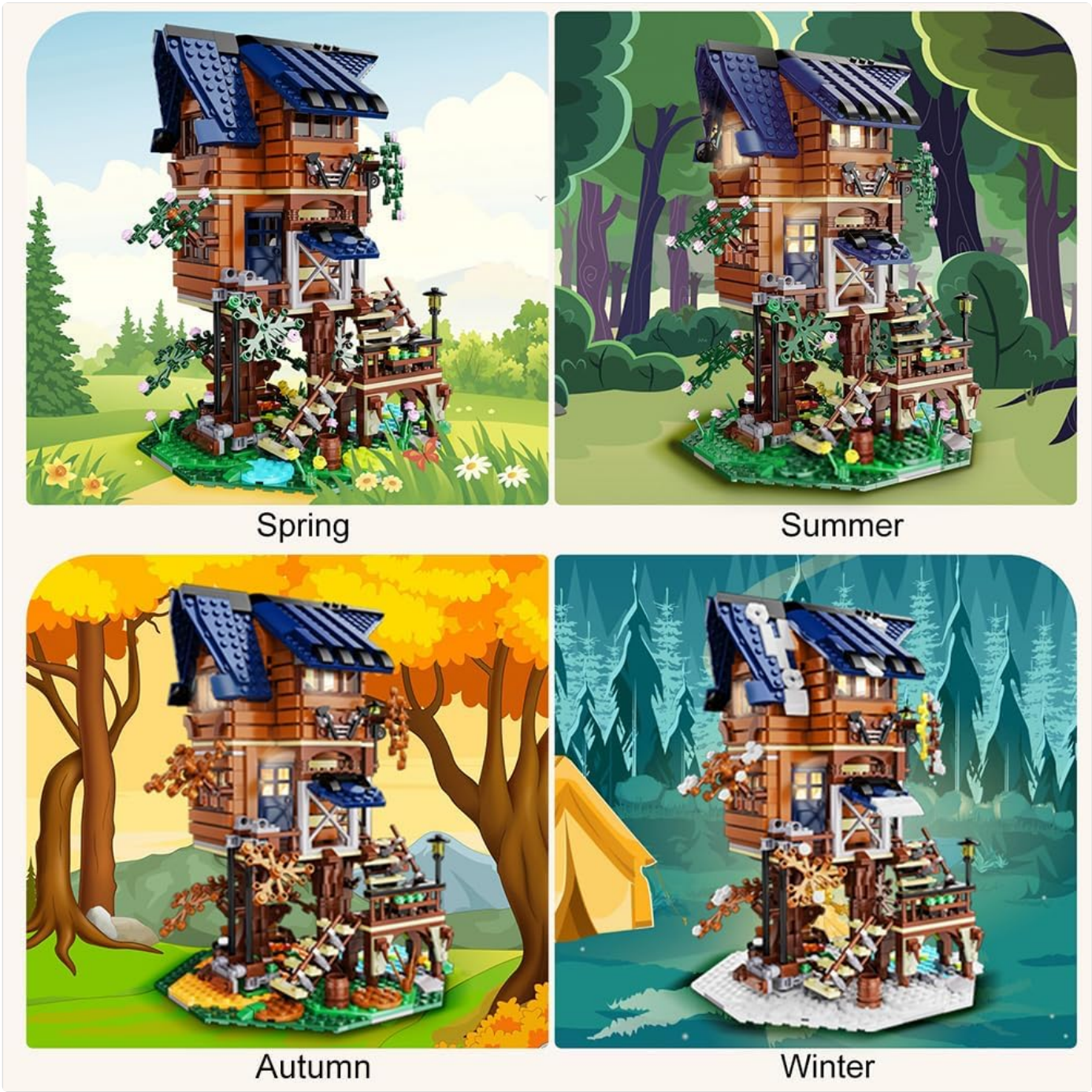

Image: A visual representation of the four seasonal configurations (Spring, Summer, Autumn, Winter) that can be achieved with the building set, highlighting the interchangeable elements.

Operating Instructions

LED Light Operation

The tree house features an integrated LED light unit to enhance its appearance, especially in low light conditions.

- **Power Connection:** Connect the USB cable from the LED light unit to any standard USB power source (e.g., USB wall adapter, power bank, computer USB port).
- **Activation:** The LED lights will illuminate once connected to a power source.
- **Modes:** The LED light unit may offer adjustable modes. Refer to the specific light unit instructions for details on changing light patterns or brightness, if applicable.



Image: The VATOS Tree House illuminated by its internal LED lights in a darkened setting, demonstrating the warm ambiance created by the lighting feature.

Functional Features

The tree house includes several interactive elements:

- **Manual Lift:** Spin the turbine mechanism to raise or lower the manual lift, allowing figures or small accessories to be transported between levels.
- **Opening Windows and Doors:** The tree house features functional opening windows and doors, adding to the play experience and allowing access to the interior.

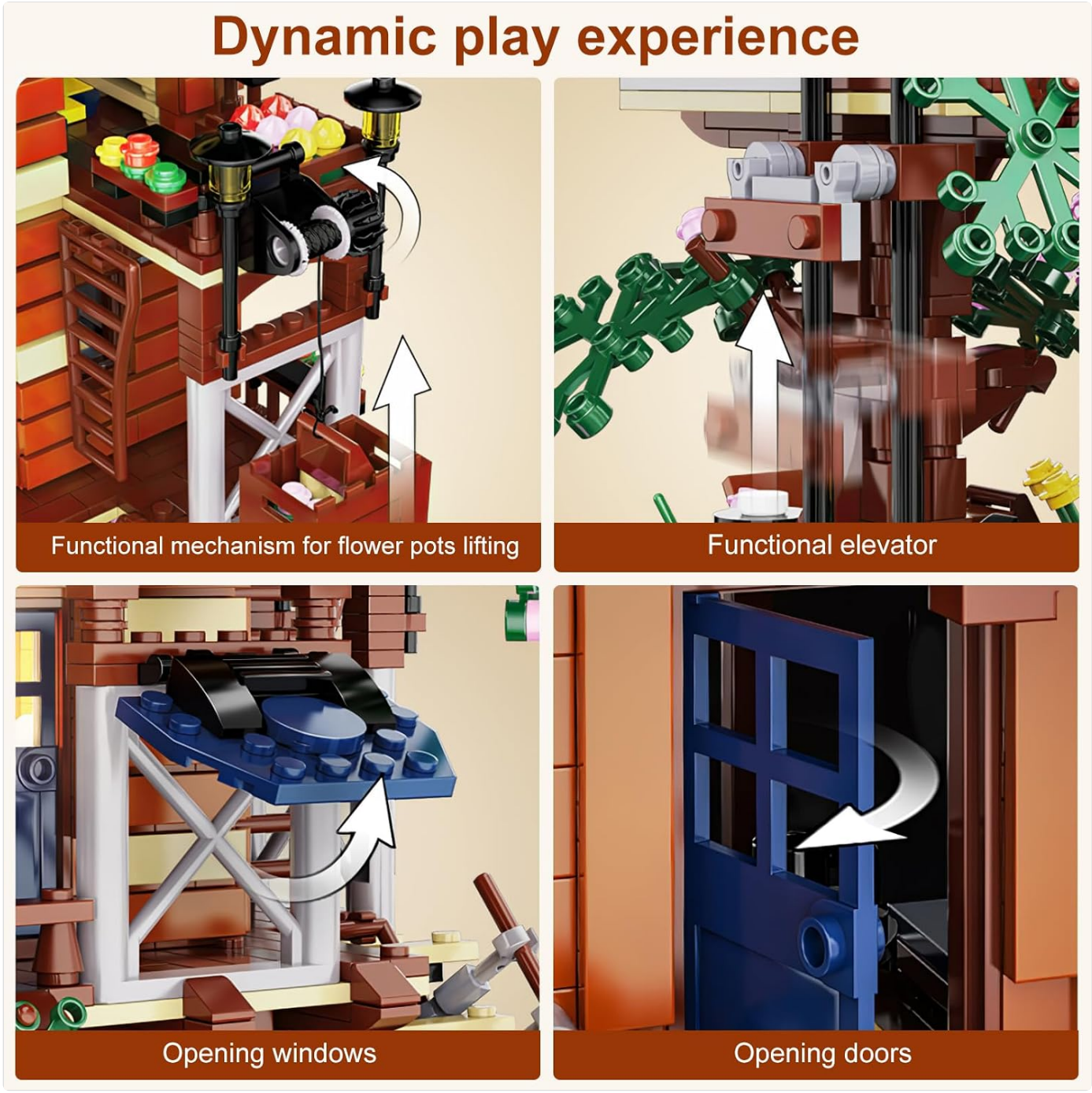

Image: Detailed views of the tree house's dynamic features, including the functional mechanism for lifting flower pots, the operational elevator, opening windows, and opening doors.

Maintenance

Proper care will ensure the longevity of your VATOS Tree House STEM Toy.

- **Cleaning:** To clean the building bricks, wipe them gently with a damp cloth. Do not submerge the LED light unit or any electrical components in water. Avoid harsh chemicals or abrasive cleaners.
- **Dusting:** Regularly dust the assembled model with a soft, dry cloth or a soft brush to prevent dust accumulation in crevices.
- **Storage:** When not in use, store the tree house in a clean, dry environment away from direct sunlight to prevent discoloration or material degradation.
- **Disassembly:** If disassembling the model for storage or re-building, do so carefully to avoid damaging the connection points of the bricks.

Troubleshooting

If you encounter any issues during assembly or operation, refer to the following common solutions:

Problem	Possible Cause	Solution
Pieces do not fit together easily.	Incorrect piece orientation or slight manufacturing variance.	Ensure the piece is oriented correctly according to the instructions. Apply gentle, even pressure. If a piece is consistently difficult, try another similar piece if available.
Assembled sections fall apart.	Pieces not fully pressed together or structural instability.	Press all pieces firmly until they click into place. Review previous steps in the instructions to ensure all connections are secure and the structure is stable.
LED lights do not turn on.	No power, loose connection, or faulty LED unit.	◦ Ensure the USB cable is securely plugged into both the LED unit and a working USB power source. ◦ Try a different USB power source or cable. ◦ Check for any visible damage to the LED wire or unit.
Missing pieces.	Pieces overlooked during sorting or actual missing parts.	Carefully re-check all packaging and sorting areas. If still missing, contact VATOS customer support with details of the missing part (shape, color, quantity).

Specifications

Attribute	Detail
Brand	VATOS
Model Number	VL-C66004W
Number of Pieces	1155
Product Dimensions	10.24 x 4.88 x 10.08 inches
Item Weight	3.54 pounds
Recommended Age	6 years and up
Material	Non-toxic, BPA-free plastic
Lighting	Integrated LED Light Unit (USB powered)

Warranty and Support

VATOS is committed to providing high-quality products and excellent customer service. For any inquiries, missing parts, or support needs, please contact VATOS customer service through the retailer where the product was purchased or visit the official VATOS brand store online.
Please retain your proof of purchase for warranty claims. Specific warranty terms may vary by region and retailer.
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