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› Fullware Spider Rocket Launcher (Model 2231B) Instruction Manual

Fullware 2231B

Fullware Spider Rocket Launcher Instruction Manual

Model: 2231B

1. PRODUCT OVERVIEW

The Fullware Spider Rocket Launcher is a 2nd generation electric auto-launch toy designed for outdoor play. It features a stable spider-inspired design, dual flight modes for varying launch heights, and an automatic parachute deployment system for safe landings. Equipped with a USB-rechargeable battery and LED lights, this rocket provides an engaging and educational experience for children.

PERFECT STEM TOY

Encourages hands-on learning about gravity, force, and flight mechanics.

STEM

• Science • Technology
• Engineering • Mathematics



Image 1.1: The Fullware Spider Rocket Launcher on its launch pad.

2. SAFETY INFORMATION

Please read and understand all safety instructions before operating the rocket launcher. This product is suitable for children over 3 years old. Adult supervision is recommended during assembly and operation.

- **Outdoor Use Only:** Always launch the rocket in a wide, open outdoor area, clear of buildings, trees, power lines,

and people.

- **Supervision:** Ensure an adult supervises children during all stages of assembly, charging, and launching.
- **Eye Protection:** Consider wearing eye protection during launches.
- **Launch Distance:** Maintain a safe distance from the launch pad after pressing the launch button. The rocket features a 3-second delayed launch for safety.
- **Inspect Before Use:** Before each launch, check the rocket and launch pad for any damage or loose parts. Do not use if damaged.
- **Battery Safety:** Use only the provided charging cable. Do not attempt to modify or puncture the battery.
- **Weather Conditions:** Avoid launching in strong winds or adverse weather conditions.

3. WHAT'S IN THE BOX

Carefully unpack the contents and ensure all items are present:

- Spider Rocket Launcher Unit
- Launch Pad (unassembled)
- USB Charging Cable
- Screwdriver
- Screws (for blade installation)

4. SETUP AND ASSEMBLY

Follow these steps to assemble your Fullware Spider Rocket Launcher:

1. **Assemble the Launch Pad:** Connect the three legs to the central hub of the launch pad until they click securely into place.
2. **Install the Blades:** Attach the propeller blades to the bottom of the rocket unit using the provided screwdriver and screws. Ensure they are firmly secured.
3. **Place Rocket on Launch Pad:** Gently insert the assembled rocket onto the launch pad, ensuring it sits stably.



Image 4.1: Visual guide for assembling the launch pad and rocket.

Charging the Rocket

The rocket is equipped with a USB-rechargeable battery. Before first use, fully charge the rocket.

1. Locate the charging port on the rocket (typically a Type-C port).
2. Connect the provided USB charging cable to the rocket and a compatible USB power source (e.g., computer, wall adapter).
3. A full charge takes approximately 40 minutes and supports 25-40 launches.
4. Disconnect the charging cable once charging is complete.

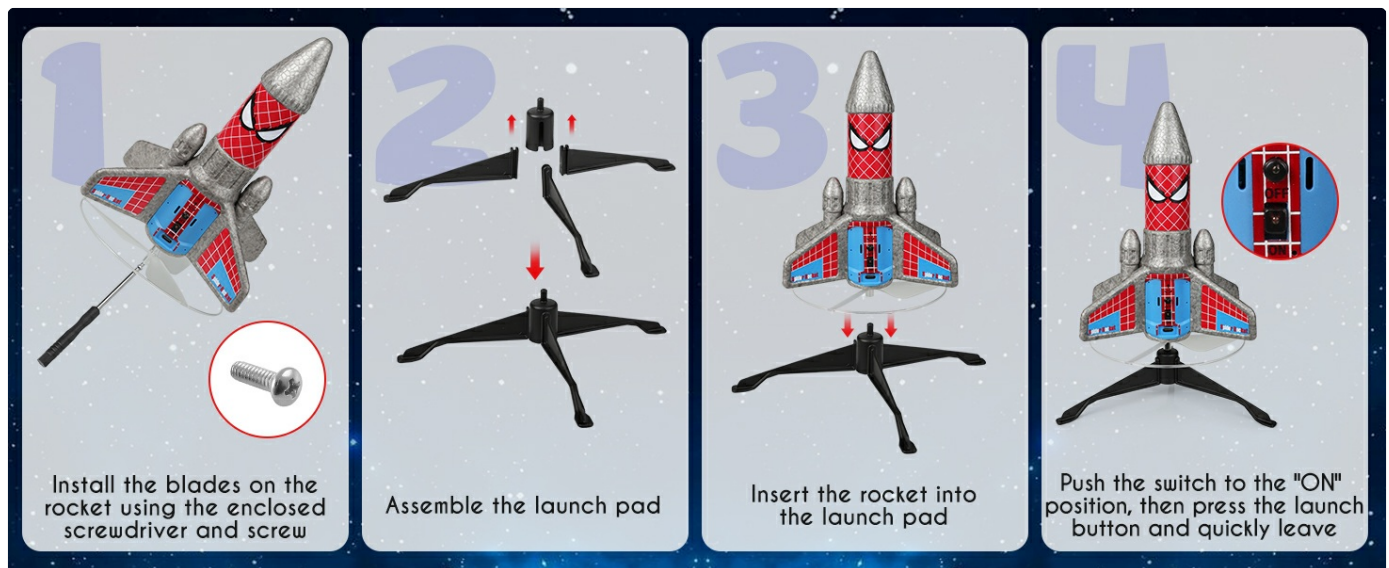


Image 4.2: The rocket's USB-C charging port in use.

5. OPERATING INSTRUCTIONS

Once assembled and charged, your rocket is ready for launch:

1. **Power On:** Locate the ON/OFF switch on the rocket and slide it to the 'ON' position.
2. **Select Flight Mode:** The rocket offers two flight modes:
 - Press the launch button **once** for a flight height of up to 100 feet.
 - Press the launch button **twice** for a flight height of up to 200 feet.
3. **Launch:** After selecting the flight mode, press the launch button. A 3-second delay will activate, allowing you to move to a safe distance before the rocket launches.
4. **Parachute Deployment:** The built-in parachute will automatically deploy at the peak of the rocket's flight, ensuring a gentle descent.
5. **Night Play (LED Lights):** The rocket features an integrated LED light, making it visible and trackable during dusk or nighttime play.
6. **Reloading:** After landing, gently press the parachute back into the nose cone for the next launch.



Image 5.1: Instructions for selecting flight height.



Image 5.2: The 3-second safety delay before launch.

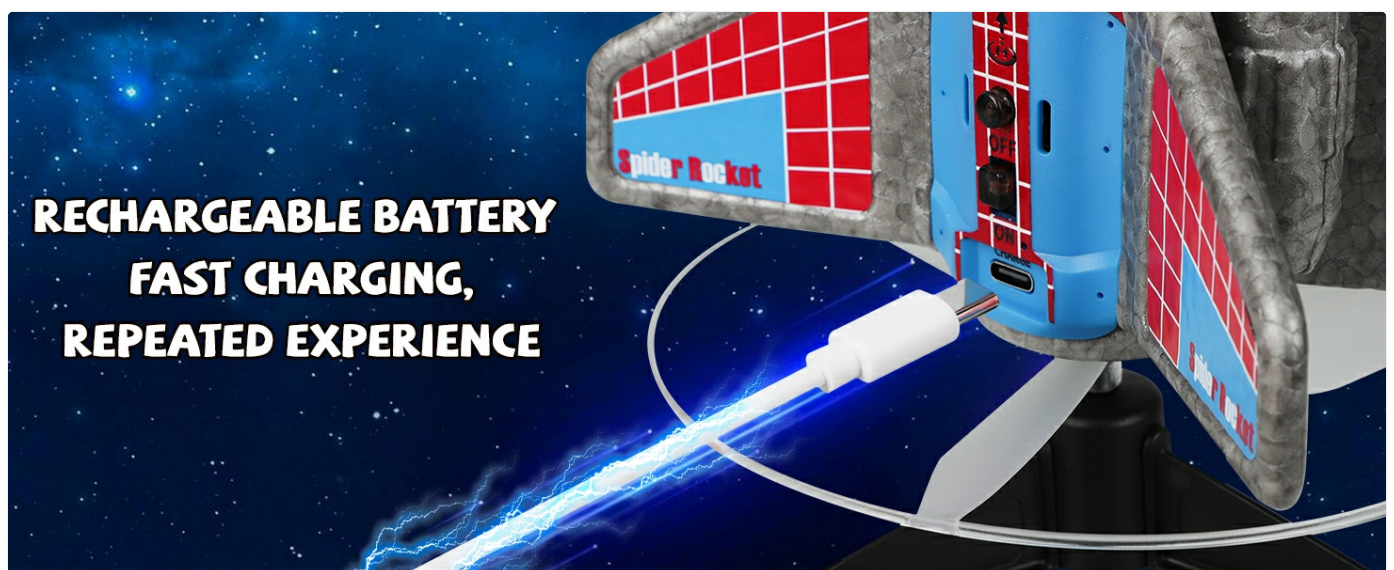


Image 5.3: The rocket's LED light for easy tracking.

Official Product Video: Practical Demonstration

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6. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your rocket launcher:

- **Cleaning:** Wipe the rocket and launch pad with a dry or slightly damp cloth after use to remove dirt or debris. Do not submerge in water.
- **Storage:** Store the rocket and its components in a cool, dry place away from direct sunlight and extreme temperatures.
- **Battery Care:** For long-term storage, ensure the battery is partially charged (around 50%) to maintain battery health. Recharge periodically if not used for extended periods.
- **Parachute Care:** Ensure the parachute is dry before folding and storing it inside the rocket. Avoid tangling the parachute strings.

7. TROUBLESHOOTING

If you encounter any issues with your rocket launcher, refer to the following common solutions:

Problem	Possible Cause	Solution
Rocket does not launch.	Battery is low or depleted. Power switch is off. Launch button not pressed correctly.	Charge the rocket fully. Ensure the ON/OFF switch is in the 'ON' position. Press the launch button firmly once or twice depending on desired height.
Rocket does not fly high.	Insufficient battery charge. Incorrect flight mode selected. Strong wind conditions.	Ensure the rocket is fully charged. Press the launch button twice for maximum height. Wait for calmer weather conditions.
Parachute does not deploy.	Parachute is tangled or stuck. Rocket did not reach sufficient height.	Gently untangle the parachute before reloading. Ensure the rocket is fully charged and launched for maximum height.
Rocket drifts off course.	Wind conditions. Damaged fins or body.	Launch in calmer conditions. Inspect the rocket for damage; discontinue use if significantly damaged.

8. SPECIFICATIONS

Brand:	Fullware
Model Name:	Rocket Launcher
Model Number:	2231B
Age Range:	6+ Years
Material Type:	High-Density EPP Foam
Power Source:	USB-Rechargeable Battery
Charge Time:	Approx. 40 minutes

Launches per Charge:	25-40 launches
Flight Height:	Up to 200 feet (depending on mode)
Features:	Dual Flight Modes, Spider Design, LED Light, Automatic Parachute Deployment, 3-second Delayed Launch
Item Dimensions (L x W x H):	6 x 3 x 7 inches
Item Weight:	0.21 kg
Usage:	Outdoor

9. WARRANTY AND SUPPORT

For warranty information or customer support, please refer to the product packaging or contact Fullware customer service directly. Keep your purchase receipt for any warranty claims.

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