

Jupiter Creations Space Force

Jupiter Creations Space Force R/C Rocket Drone Instruction Manual

Model: Space Force (Model Number: 17025)

Brand: Jupiter Creations

1. INTRODUCTION

Thank you for purchasing the Jupiter Creations Space Force R/C Rocket Drone. This rocket-shaped drone offers an exciting flight experience with its 2.4G remote control, LED lights, and advanced features. Designed for both indoor and outdoor use, it includes capabilities such as 2-speed flight, one-button take-off/landing, motion control, stunt flips, and obstacle avoidance. Please read this manual thoroughly before operating the drone to ensure safe and optimal performance.

2. SAFETY GUIDELINES

Adhering to these safety guidelines is crucial for preventing accidents and ensuring proper operation of your drone.

- **Flight Environment:** Fly in open, unobstructed areas, away from people, animals, buildings, and power lines. Avoid flying in strong winds or adverse weather conditions.
- **Supervision:** Adult supervision is recommended for younger users.
- **Battery Safety:** Use only the provided rechargeable battery and USB charging cable. Do not overcharge or short-circuit batteries. Do not expose batteries to extreme temperatures or fire. Remove batteries from the drone and remote control when not in use for extended periods.
- **Propellers:** Keep fingers, hair, and loose clothing away from rotating propellers. Do not attempt to catch the drone while it is flying.
- **Water Exposure:** Do not expose the drone or remote control to water or moisture.
- **Impact:** Avoid collisions. If the drone crashes, inspect it for damage before the next flight.
- **Local Regulations:** Be aware of and comply with all local laws and regulations regarding drone

operation.

3. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- Space Force R/C Rocket Drone
- 2.4G Remote Control
- Rechargeable USB Battery (for drone)
- USB Charging Cable
- AA Batteries (for remote control, 3 required, included)
- Instruction Manual (this document)

4. COMPONENTS OVERVIEW

4.1. Rocket Drone

The Space Force Rocket Drone features a unique rocket-ship design with integrated propellers and LED lights.



Image: The Space Force R/C Rocket Drone shown alongside its remote control. The drone is white with blue and red accents, featuring 'USA' and 'SPACE FORCE' text. It has four propeller guards at its base.

- **Main Body:** Rocket-shaped fuselage with LED lights.
- **Propellers:** Four sets of propellers located at the base, protected by guards.
- **Battery Compartment:** Located on the drone for the rechargeable battery.
- **Sensors:** Integrated motion sensors for obstacle avoidance and motion control.

4.2. Remote Control

The 2.4G remote control allows for precise command of the drone's flight.



Image: A close-up view of the black remote control, showing its two joysticks, various control buttons (including power, one-key take-off/landing, speed, and stunt), and indicator lights.

- **Left Joystick:** Controls throttle (up/down) and yaw (rotate left/right).
- **Right Joystick:** Controls forward/backward and left/right movement.
- **Power Button:** Turns the remote control on/off.
- **One-Key Take-off/Landing Button:** Initiates automatic take-off or landing.
- **Speed Control Button:** Toggles between different flight speeds.
- **Stunt Flip Button:** Activates 360-degree flip maneuvers.
- **Motion Control Button:** Activates motion sensor control.
- **Trim Buttons:** For fine-tuning flight stability.

5. SETUP

5.1. Battery Installation

Drone Battery

1. Locate the battery compartment on the drone.
2. Connect the rechargeable battery to the drone's power connector.
3. Carefully place the battery into the compartment and close the cover.

Remote Control Batteries

1. Open the battery cover on the back of the remote control.
2. Insert 3 AA batteries (included) according to the polarity markings (+/-).
3. Close the battery cover securely.

5.2. Charging the Drone Battery

The drone's rechargeable battery provides approximately 15 minutes of flight time per charge.

1. Connect the USB charging cable to the drone's battery.
2. Plug the other end of the USB cable into a USB power source (e.g., computer, USB wall adapter).
3. The indicator light on the USB cable will illuminate during charging and turn off or change color when fully charged.
4. Charging typically takes 60-90 minutes. Do not leave charging unattended.

5.3. Pairing the Drone and Remote Control

Follow these steps to establish a connection between your drone and the remote control:

1. Ensure both the drone and remote control batteries are fully charged.
2. Place the drone on a flat, level surface.
3. Turn on the drone's power switch. The drone's LED lights will flash.
4. Turn on the remote control. The remote's indicator light will flash.
5. Push the left joystick (throttle) all the way up, then all the way down.
6. The drone's LED lights and the remote's indicator light will stop flashing and remain solid, indicating successful pairing.

6. OPERATION

6.1. Pre-Flight Checklist

- Ensure drone and remote control batteries are charged.
- Verify propellers are securely attached and undamaged.
- Choose a safe, open flight area.

6.2. Take-off and Landing

One-Key Take-off

After pairing, press the One-Key Take-off/Landing button. The drone will automatically ascend and hover at a stable altitude.



Image: The Space Force R/C Rocket Drone on a surface, with text indicating 'One click takeoff'. The propellers are spinning, and the drone is about to lift off.

One-Key Landing

During flight, press the One-Key Take-off/Landing button again. The drone will automatically descend and land gently.

6.3. Basic Flight Controls

- **Ascend/Descend:** Push the Left Joystick up to ascend, pull down to descend.
- **Turn Left/Right (Yaw):** Push the Left Joystick left to rotate left, push right to rotate right.
- **Forward/Backward:** Push the Right Joystick up to fly forward, pull down to fly backward.
- **Fly Left/Right:** Push the Right Joystick left to fly left, push right to fly right.

6.4. Special Features

Speed Modes

The drone has 2 different speed settings. Press the Speed Control button on the remote to cycle through low

and high speeds. Low speed is recommended for beginners and indoor flight.

Stunt Flip (360 Flips)

To perform a 360-degree flip, fly the drone to a height of at least 3 meters (10 feet). Press the Stunt Flip button, then quickly push the Right Joystick in the desired flip direction (forward, backward, left, or right). The drone will perform a flip in that direction.

Obstacle Avoidance

The drone is equipped with obstacle avoidance sensors. When activated, the drone can detect nearby obstacles and adjust its flight path to prevent collisions.



Image: The Space Force R/C Rocket Drone on a surface, surrounded by concentric circles indicating an active obstacle avoidance field.



Image: A hand positioned near the Space Force R/C Rocket Drone, with text 'Activate obstacle avoidance' and concentric circles around the drone, illustrating the sensor's range.

Motion Control

The drone features motion control, allowing you to influence its flight path with hand gestures. Press the Motion Control button on the remote to activate this feature. Refer to the remote control diagram for the specific button.

Headless Mode

Headless mode simplifies flight by eliminating the need to orient the drone. In this mode, the drone's 'front' is always relative to the pilot, regardless of its actual orientation. Activate Headless Mode using the dedicated button on the remote control (refer to the remote control diagram).

6.5. Flight Tips

- Start with low speed mode until you are comfortable with the controls.
- Practice hovering in a stable position before attempting complex maneuvers.
- Always maintain a clear line of sight with the drone.

- If the drone drifts, use the trim buttons on the remote control to adjust its stability.

7. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the drone and remote control. Do not use water or chemical cleaners.
- **Propellers:** Regularly check propellers for damage or debris. Replace any bent or broken propellers to ensure stable flight.
- **Storage:** Store the drone and remote control in a cool, dry place, away from direct sunlight. Remove batteries from both devices if storing for an extended period.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Drone does not power on.	Drone battery is not charged or connected.	Charge the drone battery fully and ensure it is properly connected.
Remote control does not power on.	AA batteries are low or incorrectly installed.	Replace AA batteries or ensure correct polarity.
Drone and remote control fail to pair.	Pairing sequence not followed correctly.	Repeat the pairing steps (Section 5.3). Ensure both devices are fully charged and close to each other.
Drone flies erratically or drifts.	Drone not placed on a level surface during pairing; trim settings incorrect; damaged propeller.	Ensure drone is on a level surface for pairing. Use trim buttons to stabilize. Check and replace damaged propellers.
Short flight time.	Drone battery not fully charged; battery degradation.	Ensure battery is fully charged before each flight. Consider replacing the battery if performance significantly degrades over time.
Propellers do not spin.	Obstruction; motor issue; drone not paired.	Check for any obstructions. Ensure drone is paired. If problem persists, contact support.

9. SPECIFICATIONS

Feature	Detail
Brand	Jupiter Creations
Model Name	Space Force
Item Model Number	17025
Product Dimensions	12.7 x 12.7 x 33.02 cm

Feature	Detail
Item Weight	454 g
Drone Battery	Rechargeable USB Battery (included)
Remote Control Batteries	3 AA batteries (included)
Control Frequency	2.4 GHz
Special Features	Obstacle Avoidance, Rechargeable, Motion Control, 2 Speed Modes, 360 Flips, One-Key Take-off/Landing, Headless Mode
Connectivity Technology	USB

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Jupiter Creations customer service directly. Keep your purchase receipt as proof of purchase.