

DEERC F18

DEERC F18 RC Plane Instruction Manual

Model: F18

1. SAFETY INFORMATION

Before operating your DEERC F18 RC Plane, please read and understand all safety guidelines. Failure to follow these instructions may result in injury or damage to the product.

- Keep away from flammable objects when charging the battery.
- Children should operate this product only under adult supervision.
- Always ensure a clear and open flying area, away from people, animals, and obstacles.
- Do not fly in strong winds or adverse weather conditions.
- Ensure the battery is fully charged and securely installed before each flight.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x DEERC F18 RC Plane
- 1 x Remote Control
- 2 x Li-Po Batteries (600mAh)
- 1 x USB Charging Cable
- 1 x Set of Landing Gear
- 2 x Fan Blades (Spare Propellers)
- 1 x Silicone Nose Cap
- 1 x Product Manual



Image: Contents of the DEERC F18 RC Plane package, including the plane, remote, batteries, and accessories.

3. SETUP AND ASSEMBLY

3.1. Minimal Assembly

The DEERC F18 RC Plane requires minimal assembly. The main body of the aircraft comes pre-assembled. You may need to attach the landing gear and vertical stabilizers if they are not already installed.

3.2. Battery Charging

The aircraft uses Lithium-Ion Polymer (Li-Po) batteries. It is crucial to charge them correctly to ensure safety and prolong battery life.

1. Connect the Li-Po battery to the provided USB charging cable.
2. Plug the USB charging cable into a standard USB power adapter (not included, typically 5V/1A).
3. The indicator light on the USB cable will show the charging status (e.g., red for charging, green for fully charged).
4. Do not leave batteries unattended while charging. Disconnect once fully charged.

3.3. Remote Control Setup

Install 3x AAA batteries (not included) into the remote control. Ensure correct polarity. The remote control operates on a 2.4GHz frequency for stable, interference-free performance.

3.4. Binding the Aircraft to the Remote Control

Follow these steps to bind your aircraft to the remote control:

1. Ensure both the aircraft and remote control are powered off.
2. Power on the aircraft. Place it on a flat surface.
3. Power on the remote control.
4. Move the throttle stick (left joystick) all the way up, then all the way down. The aircraft's lights will stop flashing, indicating successful binding.
5. The 6-axis gyro stabilizer will calibrate automatically once bound.

Video: [An official DEERC US video demonstrating the setup and initial binding process for the F18 RC Plane.](#)

4. OPERATING INSTRUCTIONS

4.1. Basic Controls

The DEERC F18 features a 4-channel control system, allowing for precise maneuvers. The 6-axis gyro stabilizer ensures smooth and stable flight, making it suitable for both beginners and experienced pilots.

- **Throttle (Left Stick Up/Down):** Controls the speed and altitude.
- **Direction (Left Stick Left/Right):** Controls yaw (turning left or right).
- **Elevator (Right Stick Up/Down):** Controls pitch (nose up/down for ascent/descent).
- **Aileron (Right Stick Left/Right):** Controls roll (tilting wings left or right).

4.2. Takeoff Options

The F18 RC Plane offers two convenient takeoff methods:

- **Hand Launch:** Hold the aircraft firmly and gently toss it forward into the wind while applying throttle.
- **Ground Takeoff:** Place the aircraft on a smooth, flat surface. Apply full throttle and steer with the rudder until it gains enough speed to lift off.

Holiday Fun for the Whole Family – Share Memorable Flying Moments



2 TAKE OFF MODES



Image: Illustration of the two takeoff modes: hand-thrown takeoff and ground takeoff.

4.3. Flight Performance

The F18 RC Plane is designed for stable flight and can perform various aerobatic maneuvers, including 360-degree flips and acrobatic rolls, thanks to its advanced gyro stabilization.



Image: The DEERC F18 RC Plane demonstrating a 360-degree flip and an acrobatic roll, highlighting its advanced gyro stabilization.

4.4. Flight Range and Battery Life

The 2.4GHz control system provides a reliable range of up to 500 feet. The two included 600mAh rechargeable batteries offer a total flight time of up to 20 minutes. A built-in low battery warning system helps prevent sudden power loss during flight.

Go Further, Have More Fun
– Twin Batteries Maximize Your Flight Time.



Image: Visual representation of the 500ft control range and the dual battery system providing 20 minutes of flight time, along with a low battery alert on the remote.

5. MAINTENANCE

Proper maintenance will ensure the longevity and performance of your DEERC F18 RC Plane.

- **Cleaning:** Wipe the aircraft with a soft, dry cloth after each use to remove dirt and debris. Avoid using harsh chemicals.
- **Material Durability:** The aircraft is constructed from durable Japanese EPP foam with a reinforced airframe and a silicone-protected nose, designed to absorb impacts and extend its lifespan.
- **Battery Care:** Store batteries in a cool, dry place. Do not overcharge or over-discharge. If storing for extended periods, charge to approximately 50% capacity.
- **Propeller Inspection:** Regularly check propellers for damage. Replace any bent or broken propellers with the provided spares to maintain optimal flight performance.
- **Storage:** Store the aircraft in a safe place, away from direct sunlight and extreme temperatures, to prevent material degradation.

6. TROUBLESHOOTING

If you encounter issues with your DEERC F18 RC Plane, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Aircraft does not respond to remote control.	Not bound, low battery in remote/aircraft, out of range.	Re-bind the aircraft. Charge batteries. Ensure within 500ft range.
Aircraft flies erratically or is unstable.	Gyro not calibrated, damaged propeller, strong wind.	Ensure aircraft is on a flat surface during binding for gyro calibration. Check and replace propellers. Avoid flying in strong winds.
Short flight time.	Battery not fully charged, old battery.	Ensure batteries are fully charged before use. Consider replacing old batteries.
Motors not spinning.	Low battery, motor obstruction, wiring issue.	Charge aircraft battery. Check for any obstructions around the propellers/motors. Contact support if wiring is suspected.

If the problem persists after attempting these solutions, please contact customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	DEERC
Model Name	US-F18
Model Number	F18
Age Range Description	Youth (Minimum Age: 168 months)
Control Channels	4 Channel
Stabilization	6-axis Gyro Stabilizer
Remote Control Frequency	2.4GHz
Control Range	Up to 500 ft
Batteries	2 x 600mAh Li-Po (Included)
Flight Time	Up to 20 minutes (total with 2 batteries)
Material Type	EPP Foam
Item Dimensions (L x W x H)	9.7 x 3.1 x 13.4 inches
Color	Grey
Theme	Military (F18 military airplane)

8. WARRANTY AND SUPPORT

DEERC is committed to providing high-quality products and excellent customer service. If you encounter any issues or have questions regarding your F18 RC Plane, please do not hesitate to contact us.

We take full ownership and responsibility for the quality of our products and will do our very best to solve your problem quickly and efficiently. Please refer to the contact information provided in your product packaging or visit the official DEERC website for support.