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› HAWK'S WORK F-22 RC Airplane Instruction Manual

HAWK'S WORK 822

HAWK'S WORK F-22 RC Airplane Instruction Manual

Model: 822 | Brand: HAWK'S WORK

1. SETUP

Follow these steps for the initial assembly and preparation of your HAWK'S WORK F-22 RC Airplane.

1.1 Component Assembly

Attach the vertical fins to the main body of the aircraft. Apply the included glue to secure them firmly. Allow approximately 30 minutes for the glue to set completely before proceeding.



Hand Throw

TWO WAYS OF TAKING OFF



From Ground

Figure 1: Diagram illustrating the installation of vertical fins, battery, and remote control binding.

The F-22 RC plane features a durable EPP foam fuselage, twin 720 brushed motors, and a power switch. The nose cone is made of rubber for added durability during impacts. Ensure the rubber nosecone is properly seated by folding it down, sliding the notch into the slit on the foam nose, and then unfolding it.

2.4GHZ REMOTE CONTROL



Figure 2: Detailed view of the F-22 RC Airplane's internal components and durable foam construction.

1.2 Battery Installation and Connection

Insert the 3.7V 300mAh LiPo battery into the designated compartment on the underside of the aircraft and connect it. For the remote control, install 3 AA batteries (included).

1.3 Binding the Remote Control

To establish a connection between the plane and the remote control:

1. Turn on the plane using the power switch located on its underside.
2. Ensure the left joystick on the remote control is in the lowest position, then turn on the remote control.
3. Push the left joystick to the top position, then pull it slowly back to the bottom position. The indicator lights on both the plane and remote will become solid when successfully bound.

1.4 Setup Video Guide

Video 1: Official product video demonstrating the assembly process of the F-22 RC Airplane, including attaching the vertical fins, installing the battery, and connecting the remote control.

Video 2: This video provides detailed instructions on assembling the F-22 RC Airplane, including attaching the vertical fins and connecting

the battery. It also offers valuable flying tips and discusses the plane's durability. (Note: This video is from an independent creator but offers highly relevant information.)

2. OPERATING INSTRUCTIONS

The HAWK'S WORK F-22 RC Airplane is designed for easy flight with a built-in self-stabilization system. It offers two primary methods for takeoff and simple controls for navigation.

2.1 Takeoff Procedures

You can launch the F-22 RC plane using either a hand throw or a ground takeoff:

- **Hand Throw:** Hold the plane firmly and give it a gentle forward toss while applying throttle.
- **Ground Takeoff:** Place the plane on a flat, open surface. Apply throttle and allow it to gain speed for takeoff.



Figure 3: Two methods for taking off the F-22 RC Airplane.

2.2 Flight Controls

The 2.4GHz remote control allows for precise command of the aircraft:

- **Throttle (Left Joystick):** Controls the power and altitude (up and down). Increasing throttle will cause the plane to climb, while decreasing it will allow it to descend.
- **Directional Control (Right Joystick):** Controls left and right turns.

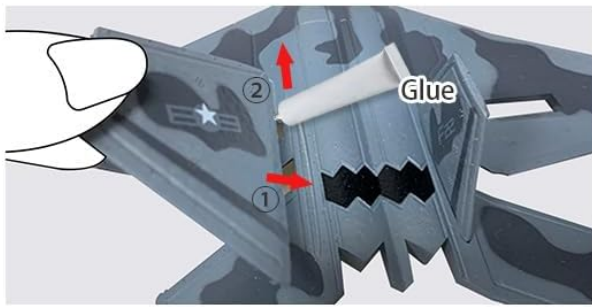


Figure 4: Overview of the 2.4GHz remote control functions.

The F-22 features a 6-axis gyro stabilizer, making it easy to fly for all skill levels. This system helps maintain stability during flight, even for beginners.

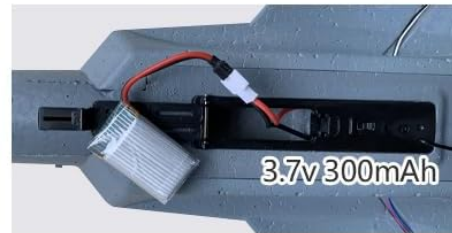
INSTRUCTIONS

Install vertical fin



1 2

Install batteries



Bind

3 4

① Turn on plane



② Turn on the controller



③ Move the throttle down, up and down



Start to fly



Figure 5: The 6-axis gyro stabilizer ensures stable and easy flight.

2.3 Flight Demonstration Video

Video 3: Official product video demonstrating the flight capabilities of the F-22 RC Airplane, including takeoff, turns, and stable flight, showcasing its ease of use.

3. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your RC airplane.

3.1 General Care

The F-22 RC plane features a lightweight and durable foam structure designed to withstand minor crashes. However, it is recommended to fly over soft surfaces like artificial turf or grass to minimize impact damage during landings. Avoid flying over hard surfaces like concrete, as this can cause significant wear and tear.

The plane comes with two 3.7V 300mAh lithium batteries, providing approximately 15 minutes of flight time per battery,

totaling up to 30 minutes of play time. Ensure batteries are fully charged before each use for optimal performance.

RC F-22 FIGHTER RAPTOR

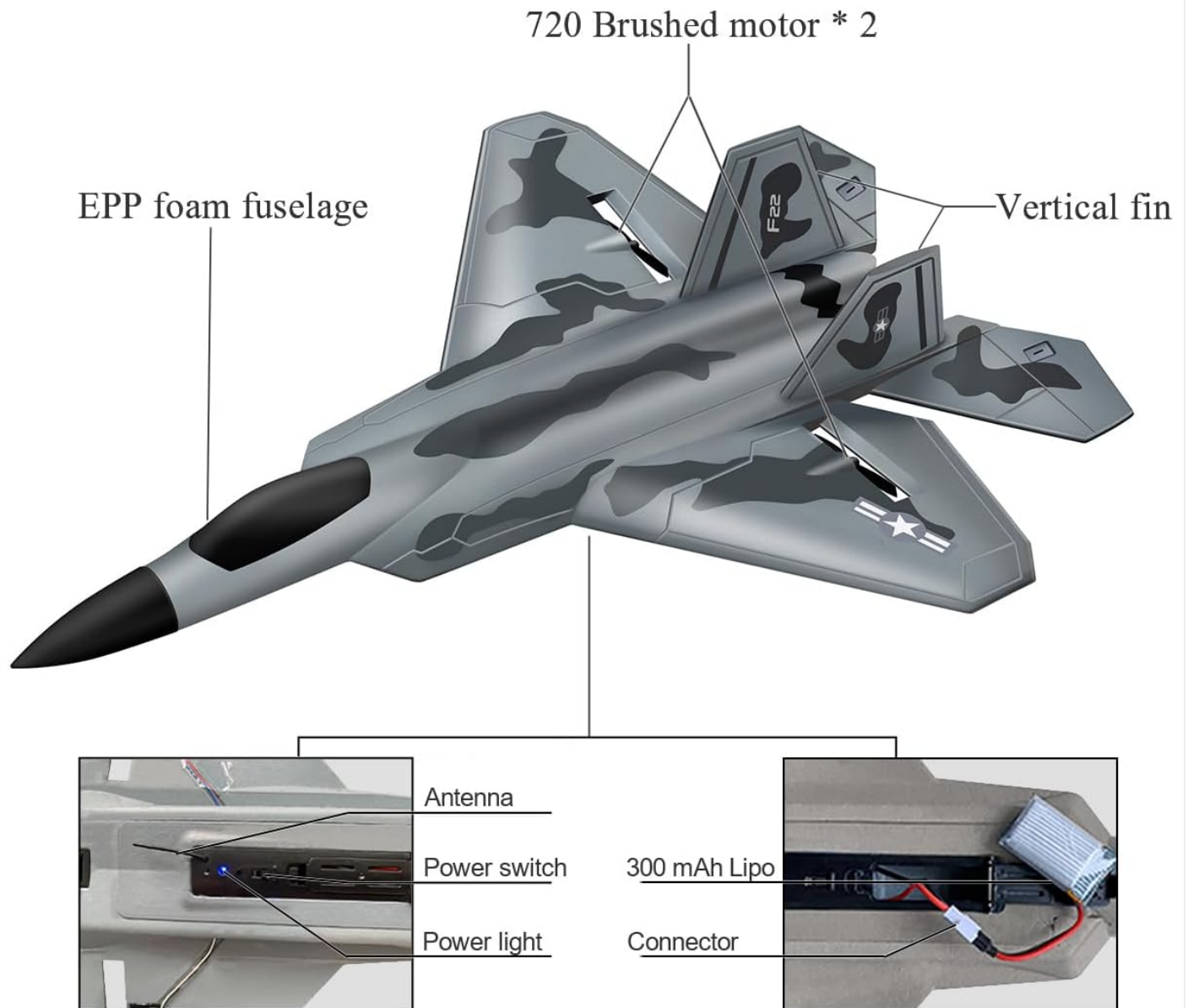


Figure 6: The F-22 RC Airplane offers up to 30 minutes of flight time with two batteries.

3.2 Repairing Minor Damage

In case of minor damage, such as a broken nose tip or detached vertical fins, use the included glue for repairs. Apply glue carefully and ensure pieces are perfectly aligned without losing any shredded foam. For the vertical stabilizer fins, glue them firmly in place. It is advisable to carry the glue with you when flying, as repairs might be needed on-site.

The landing wheels are crucial. Without them, the propellers may spin on flat surfaces during landing, potentially damaging the motors. Always ensure the wheels are attached. Try to land horizontally rather than nose-first to prevent foam breakage from impact.

4. TROUBLESHOOTING

This section addresses common issues you might encounter while operating your RC airplane.

4.1 Common Flight Issues

- **Difficulty Controlling in Wind:** Do not fly the plane when it is very windy (wind over 3 m/s). Strong winds can make the plane difficult to control and may lead to crashes.
- **Motors Running Backwards:** If the motors are running in reverse after binding, re-check the binding procedure and ensure all connections are secure. If the issue persists, refer to the support section.
- **Plane Not Staying Airborne:** Ensure the battery is fully charged. Verify that the propellers are not damaged and are spinning correctly. Check for any structural damage to the foam that might affect aerodynamics.

It is common to encounter some problems when playing with a hobby RC plane. Most issues can be resolved by carefully reviewing the user manual. For persistent problems, please contact customer support.

5. SPECIFICATIONS

Feature	Detail
Product Dimensions	17.32 x 12.52 x 4.33 inches
Item Weight	15.9 ounces
Item Model Number	822
Manufacturer Recommended Age	8 years and up
Batteries	2 Lithium Metal batteries required (included)
Manufacturer	HAWK'S WORK
What's in the Box	RC plane, 2.4 GHz controller, 3.7V 300mAh lithium battery (2), AA batteries (3), glue, spare propeller (2), USB charging cable, user manual (English & Chinese)

BOX CONTENT

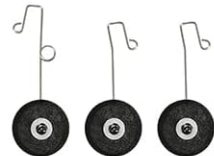
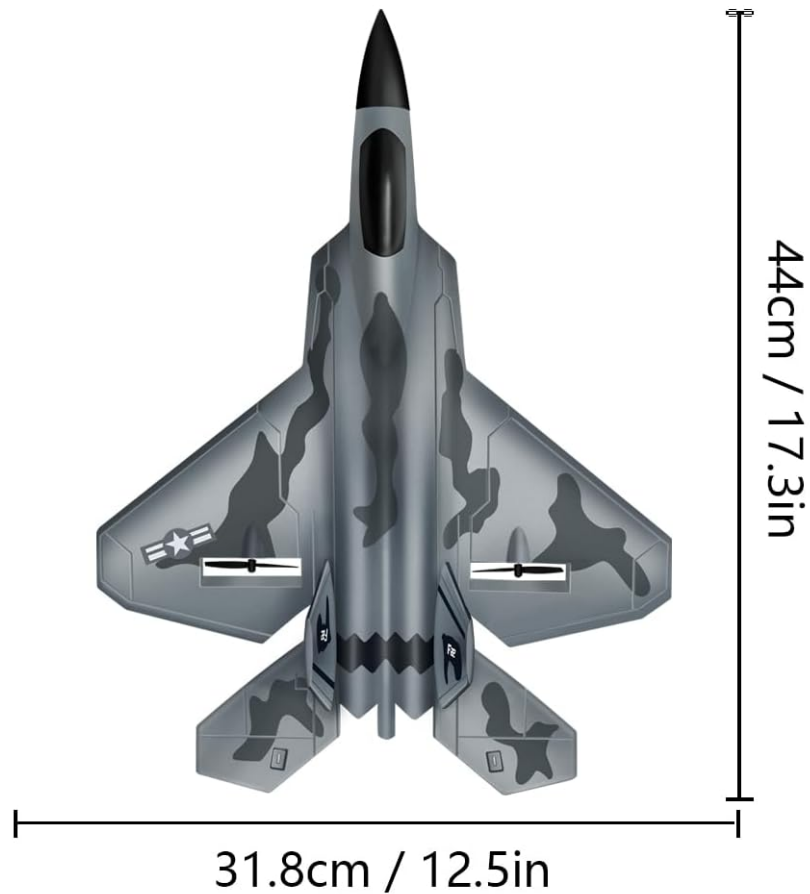


Figure 7: Box contents and dimensions of the HAWK'S WORK F-22 RC Airplane.

6. WARRANTY AND SUPPORT

HAWK'S WORK stands behind the quality of its products.

- **Aircraft Warranty:** A 1-year warranty is provided for the aircraft.
- **Battery Warranty:** A 3-month warranty is provided for the battery.

If a non-human problem occurs with your product, you can contact HAWK'S WORK via Amazon message or through the support email provided in the manual. Customer service is highly regarded for its helpfulness.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

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you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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