

Quick start Guide.

Thank You for purchasing ScratchBuilds.com's RTF ZMR250 FPV Racing Quadcopter aka "Red Devil".

In the Box

- Fully assembled ZMR250 quadcopter
- FlySky FS-i6 6Ch Radio Transmitter
- Turnigy 1500mAh 3S 11.1v LiPo Battery
- Extra 5045 propellers

Charging Battery

Red Devil is powered by a rechargeable Lithium Polymer (LiPo) battery. Batteries must ship at half charge, so please charge before first flight. Always charge batteries with LiPo charger in balance mode for long life and reliability. Each full battery provides upto 10 minutes* of flight time.

Battery Safety

Protect the battery from extreme heat, extreme cold, puncturing, and flammable surfaces. Always transport, charge, and store the battery in the guard bag.

Charge the battery using a designated LiPo balance charger only. Always monitor the battery while charging.

Flying with a low battery is a safety risk and can render the battery unusable. Always discontinue use when the battery runs low, and always fly with a fully charged battery.

Inspect the battery for damage before takeoff and after landing. If you observe any swelling of the package or the battery ceases to function, locate your local battery recycling center to dispose of the battery. In the US and Canada, visit call2recycle.org to find a location. Do not dispose of the battery in the trash.

*Flight time varies with payload, wind conditions, altitude, temperature, humidity, flying style, and pilot skill.

Flight Modes

Red Devil's Radio Transmitter comes programmed with Three different flight characteristics. And it is programmed on the three position switch **SWC** on the top right of the radio.



Position 1: Attitude (Beginner)

Attitude or Stabilized mode is designed for beginners to help them learn how to fly. The Gyro and Accelerometer of the flight controller keeps the quadcopter leveled, and Yaw axis locked. You just have to give enough throttle to keep the aircraft in the air at desired altitude.

Position 2: Rattitude (Intermediate)

As the name states Rattitude Mode is the combination of Rate (Manual) mode and Attitude (Stabilized) mode. This mode helps you to learn acrobatic maneuvers like flips and rolls with the peace of mind that if you lose control of what you are doing, just let the right control stick go and the aircraft will be leveled. Remember you will need to give enough Throttle input to keep the aircraft in the air and you may need to correct its heading using Yaw control.

Position 3: Rate (Expert)

This mode is also known as Manual mode. You will have no assistance from Gyro or Accelerometer to keep the aircraft level or stabilized. The user controls how fast the aircraft turns around that axis. Good for aerobatic flight at expert level.

For more information on flight modes please visit OpenPilot Wiki:
<https://wiki.openpilot.org/display/WIKI/Input++Flight+Modes+-+Arming>

Arming

For your safety the aircraft is always disarmed when you plug in the flight battery. The arming timeout is set to 30 seconds. No activity for 30 seconds after arming will disarm the aircraft automatically.

To Arm: Throttle down to zero and Yaw to the Right

To Disarm: Throttle down to zero and Yaw to the Left

Support

If you have any question please feel free to contact us.

Email: Contact.ScratchBuilds@gmail.com

Skype: ScratchBuilds
