

# Aviation – Level 3

## Learning How to Fly RC Plane

### Moving On To More Advanced Planes

Beginner aircraft, like the ones in Level 2, have 3 channels, or functions. They are throttle, rudder and elevator. On the other hand more advanced aircraft have 4 channels, adding ailerons, which control the roll of the plane. The addition of this extra channel means that the full transmitter is being used. Making it slightly more difficult, since there's more to control.

### Before you buy a more advanced plane practice on your simulator

The recommended planes listed below all have 4 channels and brushless motors, which means they are more powerful, efficient and quieter than brushed motors. Look for planes with similar specifications as you move up in flying RC Planes.



### [Dynam "I can Fly" 4 Channel Brushless/ESC /Lipo Electric Airplane](#)

The new Dynam ICanFly is ready to fly (RTF) with all electronics pre-installed. Just what its name says, "I Can Fly", users of all levels can fly this plane, even in windy conditions. Made for crash resistance and 3D aerobatic flight, this plane will impress.

#### Features

- Perfect for all levels: Beginners, Middle-level users, or Experienced Pilots
- RTF: Ready to Fly right out of the box (Everything included and 90% assembled)
- Easy to construct with pre-installed electronics (motors, servos and speed controllers)
- Beautiful design and great details: Resembles a real plane
- Factory-finished with stunning appearances
- 3D Aerobatic Performance
- Construction: Lightweight, strong, and crash resistant
- Easy take off: effortlessly depart from the ground or your hand
- Powerful Brushless A21 Motor
- 25amp Brushless Electronic Speed Control
- Strong wing designed for smooth airflow providing exceptional stability, and great ease to control and fly even in wind conditions
- Full function 4 Channel compatible transmitter with mixing: Aileron control, Elevator

control, Rudder, and Throttle.

Durable pre-colored foam fuselage, wings, and tail

Battery: High Quality Rechargeable 11.1V 1250mah Li-Polymer Battery for 20 minutes flight time (Upgradeable optional battery for even longer flight time).

90 Minutes auto peak detection charger



**[Newest Dynam 4 Channel Extra 330 3D Aerobatic Brushless RC Remote Control RTF Airplane](#)**  
**[Newest Dynam 4 Channel Extra 330 3D Aerobatic Brushless RC Remote Control RTF Airplane](#)**

Fly in 3D and perform aerobatic maneuvers with the new Dynam Extra 330. It's electric ready to fly (RTF) and brushless powered for stable flight. This plane is designed with meticulous care of the engineer and will not disappoint. It's also controlled with a 5CH Receiver making your flights safer and longer. It even comes with an airplane pilot inside the cockpit!

**Features**

Perfect for all levels: Beginners, Middle-level users, or Experienced Pilots

RTF: Ready to Fly right out of the box (Everything included and 90% assembled)

Easy to construct with pre-installed electronics (motors, servos and speed controllers)

Beautiful design and great details: Resembles a real plane

Factory-finished with stunning appearances

3D Aerobatic Performance

Construction: Lightweight, strong, and crash resistant

Easy take off: effortlessly depart from the ground or your hand

Powerful Brushless Outrunner Motor (1050kv)

25A Brushless ESC

Strong wing designed for smooth airflow providing exceptional stability, and great ease to control and fly even in wind conditions

Full function 4 Channel Futaba compatible transmitter with mixing: Aileron control, Elevator control, Rudder, and Throttle.

Durable pre-colored foam fuselage, wings, and tail

Battery: High Quality Rechargeable 11.1V 1250mah Li-Polymer Battery for 20 minutes flight time (Upgradeable optional battery for even longer flight time).

90 Minutes auto peak detection charger



### Ultra Micro P-51D Mustang

The Ultra-Micro P-51D Mustang can be up and flying in as little time as it takes you to charge its battery and boasts features usually only found on much larger park flyers, including:

- Advanced 2.4GHz system featuring Spektrum's DSM® technology
- Fully proportional throttle, elevator, aileron and rudder
- Li-Po battery power
- Optional landing gear with a steerable tail wheel
- Realistic paint and trim inspired by P-51D's of the 118th Fighter Squadron

Features:

- Completely assembled and flight ready
- ParkZone 4-channel transmitter with Spektrum™ 2.4GHz DSM2™ technology
- Fully proportional throttle, elevator, aileron and rudder
- Spektrum 2.4GHz DSM2 AR6400 receiver - installed
- 3.7V 120mAh 14C Li-Po battery
- Portable DC fast charger
- 8 AA batteries
- Realistic paint and trim inspired by P-51D's of the 118th Fighter Squadron
- Optional landing gear with a steerable tail wheel

This Ultra Micro P-51D does come highly recommended as the next plane to move up to as it is easy to handle, not very big and can be flown in a large back yard if this is allowed in your municipality.

Military style planes have historically been more difficult to fly but this one looks like it has overcome some of those issues.

## **Equipment You May Need**

**Battery charger** - Allows you to charge many different types of RC batteries at different settings. A good investment if you plan to stick with this hobby.

**Radio** - A radio allows you to program you aircraft how you want it. Also 2.4gHz radios mean that there's no interference that will bother you. Some models allow you instantly bind you radio to the models, if you use a 2.4gHz radio.

**Amp Meter** - This is an essential piece of equipment if you plan to select your motor and prop. This will test how many amps your setup will pull, allowing you to see if you battery/esc will burn out.

**Tools** - Essential tools will be screwdrivers, knives, etc. A prop balancer, which helps determine if a prop blade is heavier than the other, can be useful if you plan to use your own power setup.

**Soldering Iron** - Useful if you plan to use your own motor, ESC etc. Not necessary if you plan on buying a ARTF or RTF package.

Below are some hobbyist recommended choices for the about listed items:



### **[DX6i 6-Channel Full Range Microlite MD2](#)**

The best 6 channel 2.4gHz transmitter available. Very cheap and since it's 2.4gHz you won't need to worry about interference. Comes with transmitter. Also able to bind instantly to other models.



### Weller SP40LK 40 Watt Soldering Iron Kit

This powerful soldering iron comes complete with solder, 4 extra tips and a nifty little stand.

## **Glossary**

**Transmitter (Tx)** - This is what you have in your hands when flying [✈](#). The transmitter sends your inputs to the plane, allowing you to control it.

**Receiver (Rx)** - This is located inside of your aircraft. The receiver picks up your inputs from the transmitter, allowing you to control the aircraft's movements.

**ESC** - The ESC, electronic speed controller, links and supplies power to the receiver, which gives power to the servos, and motor.

**Brushed Motor** Less powerful, efficient [✈](#) and louder than brushless motors, but work nice in beginner planes.

**Brushless Motor** More powerful, efficient and quieter than standard brushed motors. Best for pilots who have had experience flying.