PACIFIC RC JETS

BANDIT MODELS

Outlaw Build Guide

Introduction

Thank you for purchasing our product. Bandit Models is very happy to introduce the Outlaw Sport Jet!

Bandit Models is a premier model jet manufacturer, there manufacturing principles and quality management standards are derived from 20+ years of design, manufacturing and engineering of hi-performance model aircraft, they strive to deliver high-end products and customer satisfaction.

This Build Guide will help you with the assembly and basic lay-out of your model. The build information suggested in this manual will show you the primary build recommendations. There are many ways to install components/equipments to personalize and make this model successful.

Tips for Success:

- Don't rush! Allow plenty of time for your build. Take your time, enjoy it, and do it right.
- Don't be afraid to ask questions! In addition to this document there are several build video on the Pacific RC Jets Facebook page
- We recommend completing the latter part of your build on a CG stand…when you're down to the components, lay them out to get the proper location for the CG
- After your build is complete, have another turbine operator/pilot review your build. A fresh set of eyes is a good sanity check.

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Outlaw ARF Kit:

- Fuselage. Nose, Center, AFT
- Rudder and Stab (Factory Hinged)
- Wings, Factory Hinged Ailerons with Flaps
- Electric Landing Gear with struts wheels and brakes. Includes Xicoy LG-15 gear controller
- Complete Hardware Package
- Linkage and ball links
- Dual Walled Pipe
- Kevlar Fuel Tank with Hysol In fittings
- Installed nose gear door with HV Servo

Specifications, control throws and CG:

- Length: 112"
- Wing Span: 102"
- Fuel Tank 256oz
- Out of the box Dry Weight ARF Kit with gear set, tank, pipe and hardware. Approx. 38.5Lbs
- Recommended Engine 210-260
- Total Servos (9)
- Center of Gravity: 260MM from leading edge of wing root.
- Recommended Aileron Throw: 18-20mm
- Recommended Elevator Throw: 20-25mm
- Recommended Rudder Throw: 25mm
- Recommended Flap Throw: Half flaps = 35mm, Full flaps to the drop tanks

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Equipment Used (Sold Separately)

- AR Smooth Flight 16 with FrSky TDMX Receivers
- KingTech K260G4
- KingTech 2X 6.6 3800 Life Packs
- KingTech 9.9 3800 Life Pack
- T-One Large UAT
- PRCJ 6mm Poly Fuel Tubing (6 Feet)
- PRCJ Large Vents with caps
- PRCJ Outlaw Wire Harness
- Servos (9) AccuTORQ 600SG

All available at www.pacificrcjets.com

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Un-boxing and Inspection

The kit will come very well packed in a couple boxes. Carefully remove all the parts from the bubble wrap that they are encased in. Do not use a knife or razor as you can inadvertently cut through the packaging and damage the finish of the parts. Peel or use scissors to carefully cut and remove the tape. Inspect all parts for any shipping damage and test fit.

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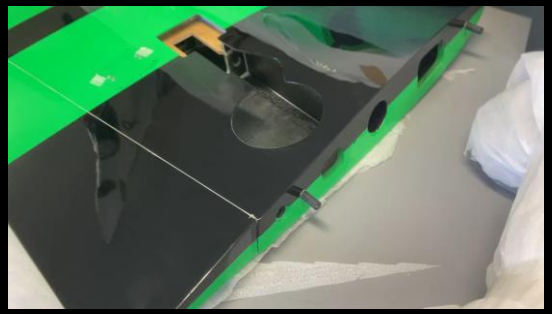
Unboxing Videos






NOTE the vertical tail now bolts from the top side down for easy removal.

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Unboxing Videos

NOTE The Landing gear, nose door and nose door HV servo will be factory installed .

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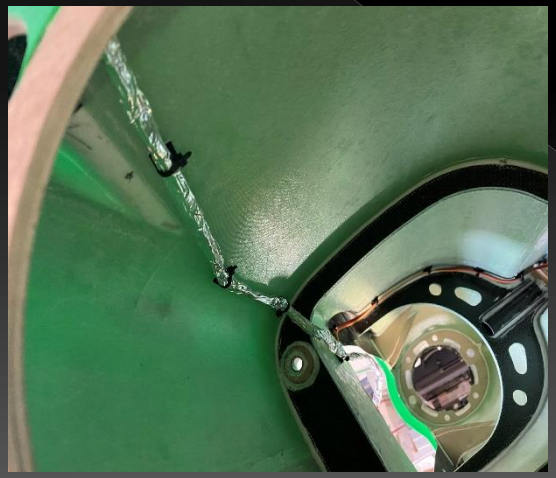
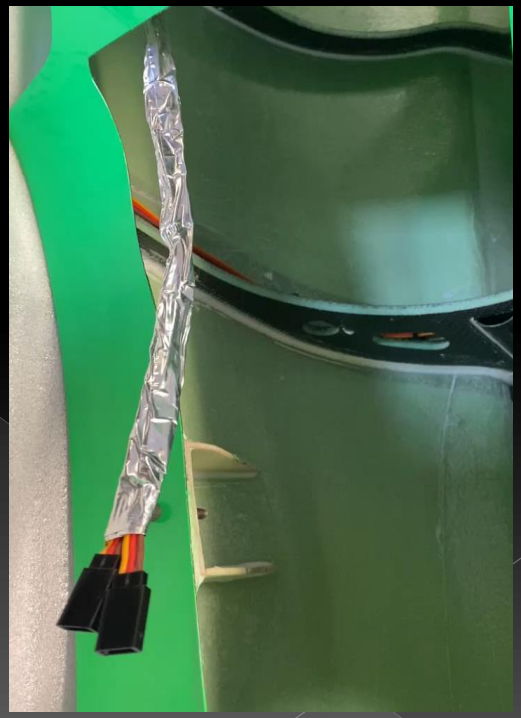
AFT Fuselage Zip Tie Mounts & Harness Installation

For this process we use self adhesive Zip Tie mounts and small Zip Ties to secure the wire harness in place. Use the photos for reference on where to install the Zip Tie mounts and harness. Note: Start wire harness installation from the AFT forward leaving at least 2" of wire out of the fuselage at the vertical attachment point. Leave 12" out for the elevator connections. Once wires are secure use CA or Hysol on edges of Zip Tie mounts for permanent adhesion.

Make sure to have no sagging wires. You can use aluminum tape or Fiberglass heat tubing around wires for added heat protection.



AFT Fuselage



Video link

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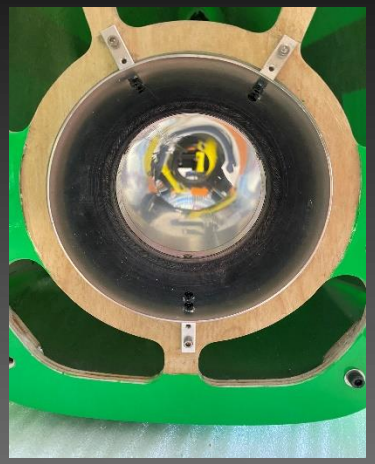
Pipe Installation

For this process we used the L-Brackets and put a slight bend in them to match the curve of the Bell-Mouth. Slide pipe into place and set the end of the pipe right to the end of the fuselage. Measure, drill and mount the (3) L-Brackets to the Bell-Mouth.

Drill and mount the (3) L-Brackets to bulkhead making sure the pipe is center to the bulkhead opening. Use 3mm machine screws, Washers and lock nuts to secure.



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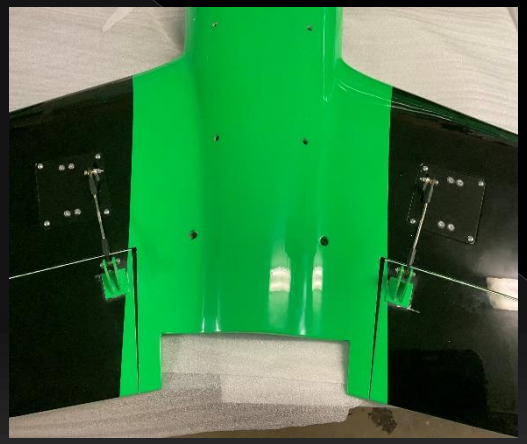
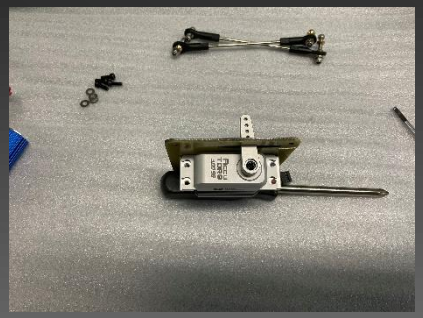
Stab Servo Installation

Center the Servo and install servo arm using Loctite. Install servo with the horn center to the slot. Install 3mm servo screws and washers using to secure Servo Loctite. Plug in the extension and secure with Heat Shrink or clips. Set Servo/Hatch in place (Slot Farthest Forward), drill and secure with provided Servo hatch screws. Install servo linkage using the supplied 3mm screws, washers and nuts. Repeat for other side.



Video link



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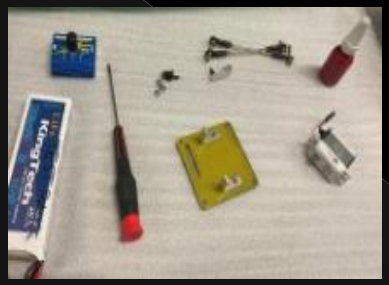
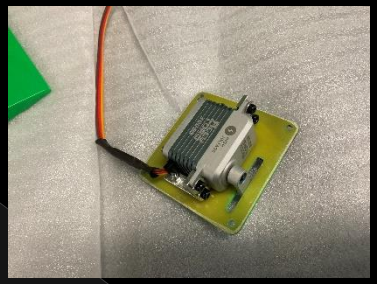
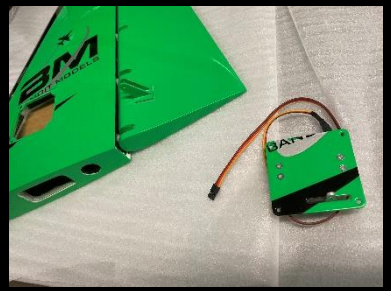
Rudder Servo Installation

Center the Servo and install servo arm using Loctite. Install servo with the horn center to the slot. Install 3mm servo screws and washers using to secure Servo Loctite. Plug in the extension and secure with Heat Shrink or clips. Set Servo/Hatch in place (Slot Aft), drill and secure with provided Servo hatch screws. Install servo linkage using the supplied 3mm screws, washers and nuts.







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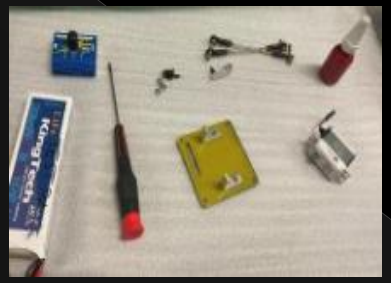
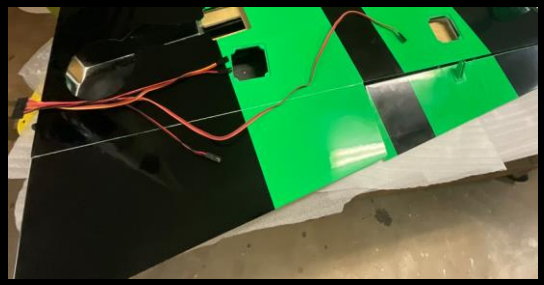
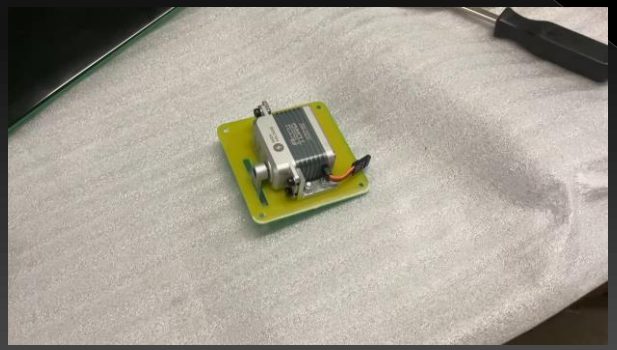
Aileron Servo(s) Installation

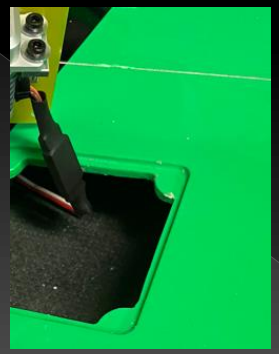
Center the Servo and install servo arm using Loctite. Install servo with the horn center to the slot. Install 3mm servo screws and washers using to secure Servo Loctite. Pull the PRCJ Outlaw Wing Wire Harness through the tube in the wing. Plug in the wire harness extension in and secure with Heat Shrink or clips Set. Set aileron Servo/Hatch in place (Slot Farthest Forward), drill and secure with provided Servo hatch screws. Install servo linkage using the supplied 3mm screws, washers and nuts. Repeat for other wing aileron.

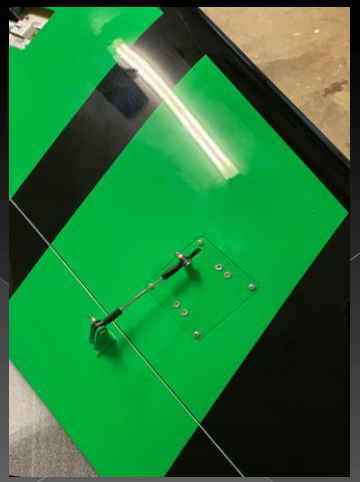






Video link





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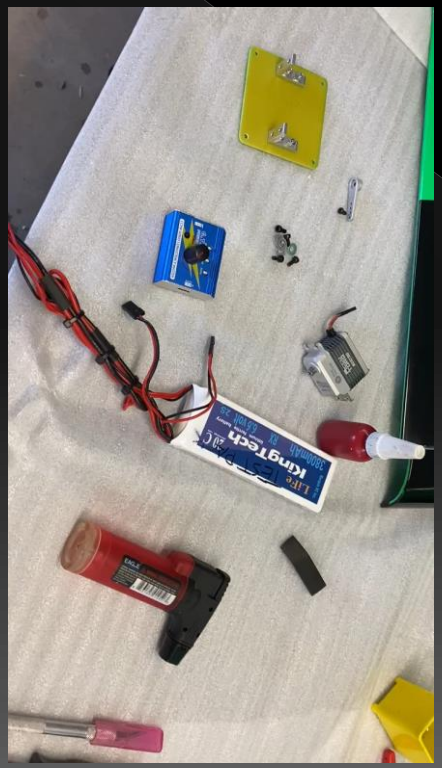
Flap Servo(s) Installation

Center the Servo and install servo arm using Loctite. Install servo with the horn center to the slot. Install 3mm servo screws and washers using to secure Servo Loctite. Plug in the wire harness extension in and secure with Heat Shrink or clips. Set Flap Servo/Hatch in place, drill and secure with provided Servo hatch screws. Install servo linkage using the supplied 3mm screws, washers and nuts.

You may need to trim the slot open in the T/E of the wing for proper geometry on the linkage.
Set Flap Servo/Hatch in place, drill and secure with provided Servo hatch screws. Repeat for other wing aileron.



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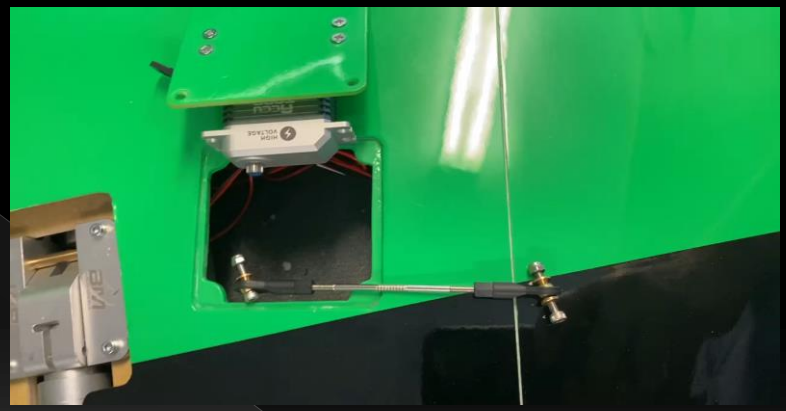

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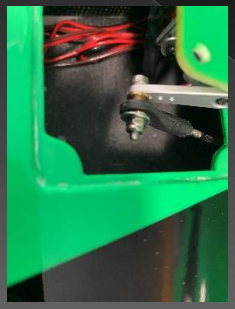

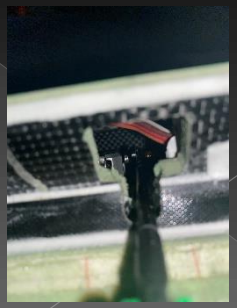

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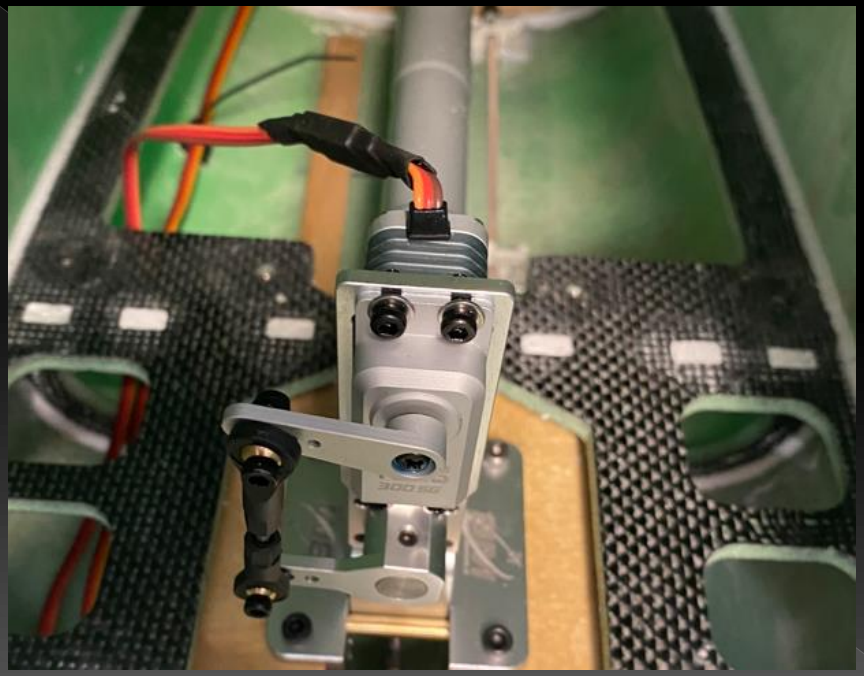
Steering Servo Installation

Your nose gear will be pre-installed along with the Door and door servo.

You will need to install your steering servo. Center the Servo and install servo arm using Loctite. Install servo using 3mm servo screws and washers to secure Servo in place. use Loctite.

Connect ball linkage using 3mm screws and lock nuts.

Plug in the wire harness extension in and secure with Heat Shrink or clips.



FWD Fuselage Installation

Moving on the to Fwd Fuselage build. We used the PRCJ OUTLAW One-Click wire harness. This lay-out works great for me however you can set your model up however you like. The PRCJ Outlaw wire harness is plenty long enough however I recommend you (mock-up) you lay-out just to be sure.

Secure wire harness using zip ties and holders.

My electronics board lay-out works for me as well, again you can setup to your liking.

Video link

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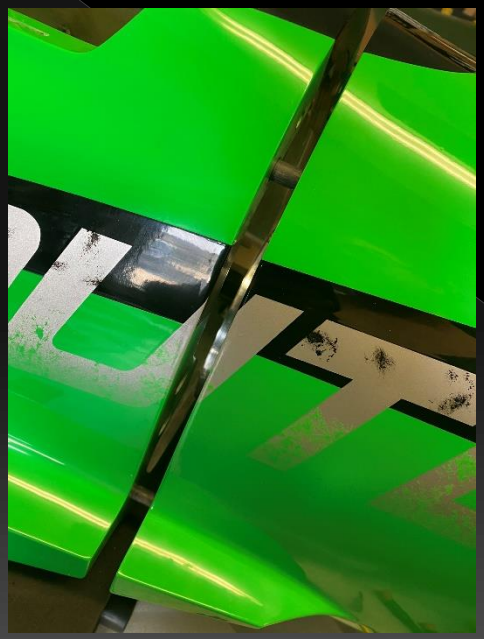
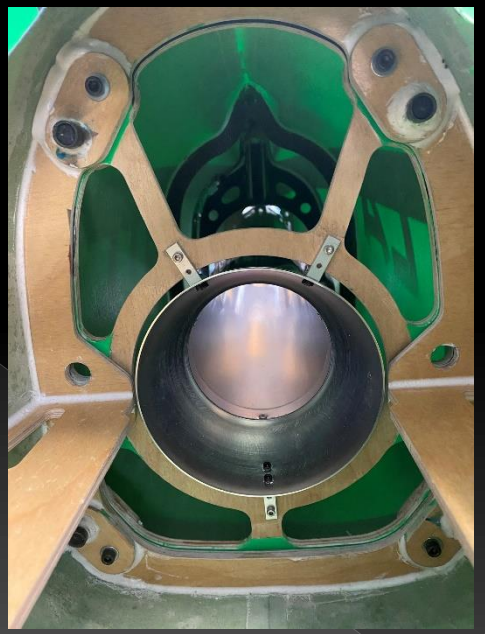
FWD/AFT Fuselage Bolt-Together

This processes is pretty simple. Run your AFT section wires to through the forward fuselage. NOYE: If you have the quick connect plug in-between than there is no wires to run forward.

The FWD/AFT sections will slide together on Carbon pins. Install the 4 Bolts with washers and tighten down.

The AFT section can be easily removed for transport with the mid section quick connect wire harness.





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Turbine Install

When installing the Turbine, make sure the engine is centered to the pipe and the height is correct as well.

You will want to make sure your spacing is correct to the engine you install. In this case we are using the K260 and I have a spacing of 1" from the end of the tail cone to the beginning of the pip (NOT THE BELL MOUTH)

Drill and secure engine with large wood type screws or bolts and blind nuts

Video link

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Intake Install

For the intakes R/L they will come with short ducting to glue into the intakes.

Once glued in you can install the intakes. Slide each one on and use the (3) nuts on the back side to secure.

These only need to be snug, Do Not Torque or you may crack the intakes or cause damage.

Video link

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Fuel Tank Install

For the Fuel Tank the fittings will be pre installed from the factory.

Use a ling brass tubing and build your clunk system similar to this setup. This will keep the tubing from curling and also keep it at the back of the tank. Make sure you have at least ¼' from the end of the clunk to the back of the tank for movement. Secure with wire-tie.

Run your vent line through the bottom of the airframe (Your Location) and mount the tank using the hoop and rear tab using the supplied hardware.

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Final lay-out and setup

Final lay-out and setup.

The Outlaw is a very forgiving smooth flying jet. You can move the CG around a bit to your liking and control throws as well.

Slow speed is incredibly stable with no bad habits.

Always check and check again before maiden flight. Make sure controls are correct and gyro correction properly.

Enjoy your new Outlaw and welcome to the Bandit Models Family!

Video link

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