

Banana Hobby/ Adrenalin RC MB-339

Special Edition

Instruction Manual



Manufactured High Strength and High **REQUIRED:**

Quality AIREX Composite Material

Wingspan: 68.5"/175cm

Length: 72.5"/185cm

Fuel tank capacity: 76oz/2270cc

SERVOS:

Flaps: Standard Size Servos x2

All Other Servos: Mini Servos x8

Transmitter/Receiver

Turbine Engine: 8kg-12kg

Recommended Avionics Battery: 2s

2200-2600mAh 30c

Retract Control Module Battery: 2s

2200mAh-2600mAh

LED Control Module Battery: 2s-6s

(2s Suggested)

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Tips/Tech Information

-*RETRACT Control Module Operating Voltage: 7.4-8.4v* (Do not use above 8.4v) -The retract module requires a 2s Lipo to function correctly. LiFe battery and below 7.4v will not function correctly.

-Brake Controller Module Operating Voltage DC 7.4v- 25.2v (2s to 3s suggested)

-LED Control Unit Operating Voltage: 2s to 3s lipo.

-Main Retract/Retract Gear Door(s) all need to be connected BEFORE testing and cycling.

-The servos should all be centered and the control surfaces should be neutral. Do check if they need to be adjusted.

-This Special Edition MB-339 is using HV servos. Best to use a 2 cell lipo with 3000 mAh and 30c ratings. Do not use above a 2s lipo for the servos/Avionics.

-When assembling the nose section, tail section, main wings, use a small drop of Blue thread lock. If there is residue on the screws, use a small bit of rubbing alcohol and clean the screw threads. This will allow the thread lock to be most effective. DO NOT USE RED THREAD LOCK!

-Do not use any solvent based cleaners to clean your MB-339

-Servo Covers are using self-tapping screws. If needed, you can add pin drop of CA to the screw hole if the screws feel like they are not tightening. Allow for the CA to dry and re-insert the screw.

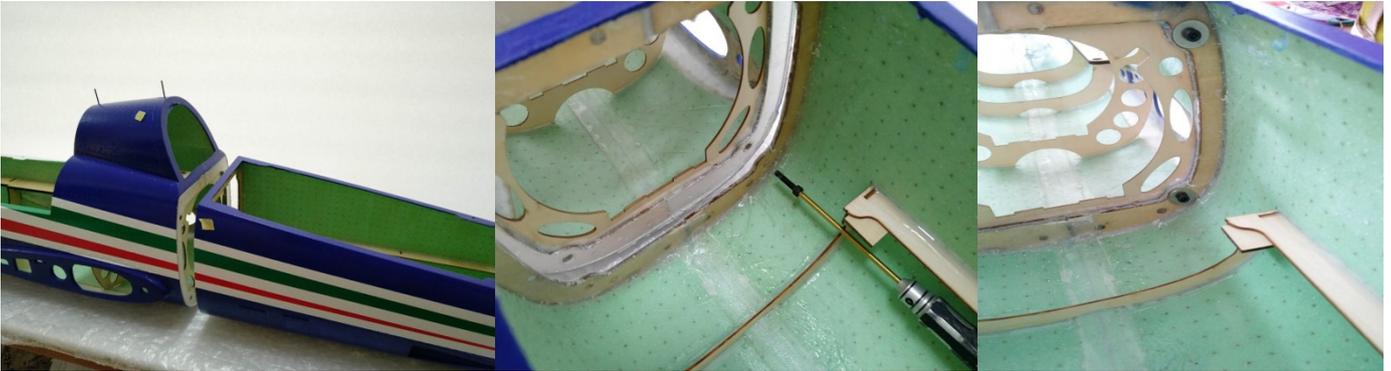
PARTS LAYOUT



- 1. Cockpit/Canopy x1**
- 2. Front fuselage section x1**
- 3. Rear fuselage section x1**
- 4. Main wing x2**
- 5. Engine/Turtle Deck cover x1**
- 6. Horizontal Stabilizer x2**
- 7. External Drop Tanks x2**
- 8. One set retract system/landing gear (Installed; Includes front and rear landing gear)**
- 9. Full set of cables and wires (Installed)**
- 10. LED navigation lights (Red, green, white and controller)**
- 11. Exhaust Tube/Nozzle x1 (Installed)**
- 12. Main fuel tank x1 (Installed)**
- 13. UAT (Ultimate air trap tank) x1 (Installed)**
- 14. Screw Bag x1**
- 15. 22mm Main Wing Carbon Fiber Tube x1**
- 16. 10mm Horizontal Tail Carbon Fiber Tube x1**

ASSEMBLY

Assemble the nose fuselage section to the main fuselage section.



Use 4 supplied M4x18 bolts with washers included in the screw bag, Insert the bolts into the corresponding hole position with 2.5mm hexagon screwdriver and tighten. *Tip*: Clean the screw threads with a bit of rubbing alcohol on a small towel. Allow to dry and use a small drop of BLUE Thread Lock on the threads. DO NOT USE RED Thread LOCK!

ATTACHING THE MAIN WING SECTIONS



Insert the 22mm Carbon Fiber main wing tube through the fuselage. Connect the electronic cables with the corresponding sides and slide each main wing into position. Next insert the two, main wing M3x10 bolts (1 per side) through the top of the wing root area as shown in the photos and tighten. *Tip*: Clean the screw threads with a bit of rubbing alcohol on a small towel. Allow to dry and use a small drop of BLUE Thread Lock on the threads. DO NOT USE RED Thread LOCK!

External Drop Tank Installation



Use 2 M3x30 bolts supplied per side and tighten the external tank to the bottom of the main wing. *Blue Thread Lock is suggested.

Horizontal Stabilizer Installation



Insert the 10mm diameter carbon fiber tube through the tail section of the fuselage and slide on the horizontal stabilizer. Connect the corresponding servo connector cable/plugs (Be Sure the servo connectors are tight!) Push the horizontal stabilizers into position and insert the M3x10 bolts, tighten the bolts as shown above. *Tip*: Clean the screw threads with a bit of rubbing alcohol on a small towel. Allow to dry and use a small drop of BLUE Thread Lock on the threads. DO NOT USE RED Thread LOCK!

Suggested Control Surface Deflections

(These are base suggestions and can be adjusted to each pilot's flying style and preference)

1. Aileron: 15mm
2. Elevator: 20mm
3. Rudder: 25mm
4. Flaps: 1st Level 15 degrees. 2nd Level 45 degrees

Center Of Gravity (CG)

Center of gravity position: From the leading edge of the wing root is 135mm Back. (See Diagram Below)



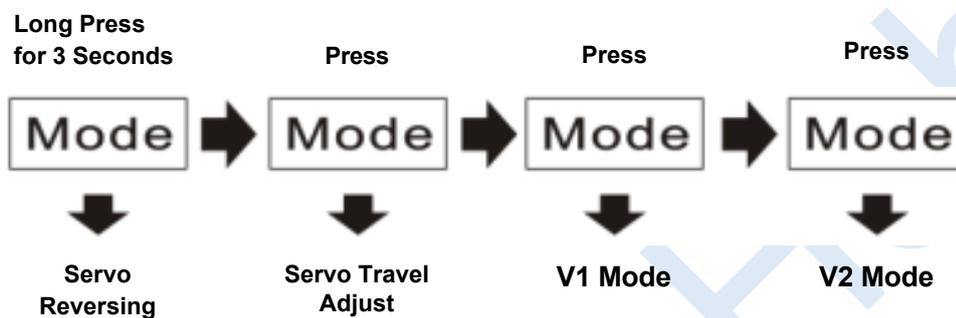
JP Retract Multi-Function Control Module Manual

Below are the Features of this Multi-Function Retract Module

1. Automatically identifies peak stall current.
2. Automatic Nose Retract door sync delay and options.
3. Gear door servo reversing capable.

-The JP Retract Control unit is capable of 2 modes for selecting your nose gear door close and open preference. The details and mode settings are below:

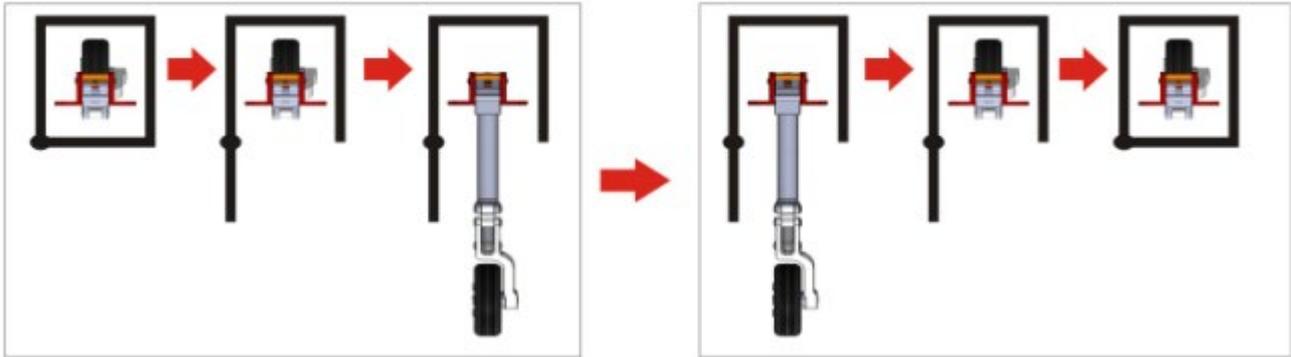
Press and HOLD the MODE button for 3 seconds to enter the programming setting parameters. Press the button to select 1, 2, 3, 4, menu options.



1. While the A and B LED are flashing, press the + or – button to set the servo direction.
2. While A+B is flashing alternately or C+D flash alternately, press the + or – button to set the travel amount.
3. When C LED is flashing, the unit is in V1 Mode.
4. When D LED is flashing, the unit is in V2 Mode.

V1 MODE

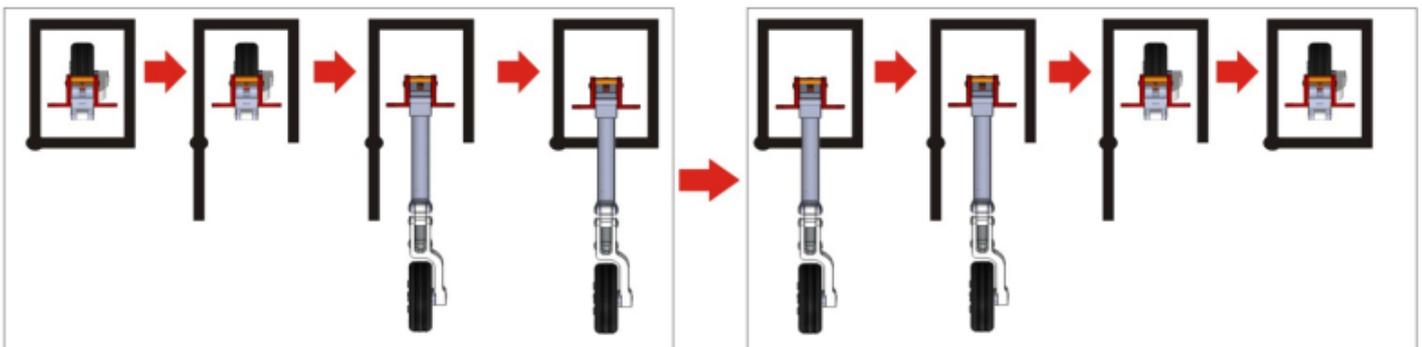
The nose gear door is open when the gear is in the down position and gear door stays open. The nose gear door is closed when the gear is in the UP retracted position.



V2 MODE

DOWN: Nose gear door will open to deploy the nose gear in the DOWN position and the nose gear door will follow by closing while the gear is in the down and locked position.

UP: Nose gear door will open, nose gear will retract to UP position and nose gear door will follow by closing.



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